Last updated: 6 November 2025

CERCERIS

Cerceris Latreille, 1802b:367. Type species: *Philanthus ornatus* Fabricius, 1790 [= *Sphex rybyensis* Linnaeus, 1771], designated by Latreille, 1810:438.

Nectanebus Spinola, 1839:489. Type species: *Nectanebus fischeri* Spinola, 1839, junior secondary homonym of *Cerceris fischeri* Spinola, 1839 [= *Nectanebus histerisnicus* Spinola, 1839], designated by Pate, 1937c:42 (said to be by original designation). Synonymized with *Cerceris* Latreille, 1802 by R. Bohart in R. Bohart and Menke, 1976:55.

Diamma Dahlbom, 1844:225. Type species: *Diamma spinolae* Dahlbom, 1844 [= *Cerceris binodis* Spinola, 1842], by monotypy, junior homonym of *Diamma* Westwood, 1835 (Tiphiidae).

Didesmus Dahlbom, 1845:502. Substitute name for *Diamma* Dahlbom, 1844.

Apiraptrix Shestakov, 1923:101. Type species: *Cerceris rybyensis* (Linnaeus, 1771) [= *Sphex rybyensis* Linnaeus, 1771], by original designation. – *Apiratryx* Balthasar, 1972:387 and 397 (lapsus).

Paracerceris Brèthes, 1913b:127. Type species: *Paracerceris tridentifera* Brèthes, 1913 [= *Cerceris pollens* Schletterer, 1887], by monotypy.

Apicerceris Minkiewicz, 1934:253. Not available: type species not designated (Article 13.3 of the Code).

Bucerceris Minkiewicz, 1934:253. Type species: *Cerceris bupresticida* Dufour, 1841, by monotypy.

Stercobata Gussakovskij, 1935:445. Type species: *Cerceris bupresticida* Dufour, 1841, by monotypy. Synonymized with *Cerceris* by Pate, 1943c:2.

Apicerceris Pate, 1937c:8. Type species: *Sphex rybyensis* Linnaeus, 1771, by original designation. Validation of *Apicerceris* Minkiewicz, 1934.

Revisions: Schletterer, 1887, 1889a (Palearctic Region); R. Turner, 1912e (Indian subcontinent); Shestakov, 1923 (subgenus *Apiraptrix*); de Beaumont, 1952a (France); Tsuneki, 1961c:22 (Japan); van der Vecht, 1964 (Java); Scullen, 1965b (North America); Krombein, 1969b, 1974a (Melanesia); Sielfeld, 1971 (Chile); Scullen, 1972 (Mexico and Central America); R. Bohart and Grissell, 1975 (California); Evans, 1982a (Eastern Australia); Kazenas, 1984a (Kazakhstan and Central Asia, no key); Guichard, 1993a (Arabian Peninsula); Sk. Yamane and Tano, 1995:11 (Japan: Ryukyu Islands); K. Schmidt, 2000 (western Palearctic).

Keys: Turner, 2010b:420 and 1912d:664 (Australia); Shestakov, 1923 (subgenus *Apiraptrix*); Tsuneki, 1961c:7 (northeastern Asia), 1968e (Australia); 1970c (Taiwan); Sielfeld, 1971 (Chile); Alayo Dalmau, 1976:15 (Cuba); Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:44 (Philippines); Jonathan, Ray, and Kundu, 2000:209 (Meghalaya State of India); Kazenas, 2001d (Kazakstan and Central Asia); Terayama and Tano, 2005 (Japan); Buck, Paiero, and Marshall, 2006: 43 (eastern Canada); X. Li, Q. Li, and L. Ma, 2014:224 (*bupresticida* species group of China).

Nest: Barth, 1910:119.

Prey: Pagden, 1934b (*Hingstoniola fimbriata*); Valentine, 1994 (Anthribidae in Madagascar, species of *Cerceris* unknown).

Origin of communal behavior: Willmer, 1985a (*arenaria*)

Nest defense: Mueller et al., 1992 (*fumipennis*).

Communal nesting: Evans and Hook, 1982a, b

Orientation flight: Zeil, 1993a, b.

Review of biology: Kazenas, 2001b:246.

1. *abac* Fritz and Mariluis

Cerceris abac Fritz and Mariluis, 1976:100, ♀. Holotype: ♀, Argentina: Córdoba: La Granja (originally M. Fritz coll., now MACN). – Fritz and Mariluis, 1976:96 (in key to *Cerceris spathulifera* species group); Amarante, 2002:57 (in catalog of Neotropical Crabronidae), 2005a:12 (correction to his 2002 catalog).

2. *abacta* Shestakov

Cerceris abacta Shestakov, 1915:13, ♀. Holotype or syntypes: ♀, Algeria: Aïn-Fezza (ZIN). – Giner Marí, 1941b:216 (in revision of North African *Cerceris*); de Beaumont, 1951f:346 (Algeria: Ain Fezzan, Biskra; redescription); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); K. Schmidt, 2000:22 (in revision of Western Palearctic *Cerceris*); Dollfuss, 2018:1126 (Algeria: Aures: Ain Zaatout); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:15 (Iran: known from Fars Province); Dollfuss, 2021c:578 (Morocco: Amouguer 50 km west of Rich); Malash, Edmardash, and Gadallah, 2022:5 (in catalog of Middle Eastern and North African Philanthinae)

3. *abatanensis* Reyes

Cerceris abatanensis Reyes, 1986:106, ♀, ♂. Holotype: ♀, Philippines: Luzon: Abatan 60 km south of Bontoc (Bishop Mus.). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:48, 52 (in key to *Cerceris* of Philippines), 67 (Philippines, redescription of ♂).

4. *abdita* Kazenas

Cerceris abdita Kazenas, 1984a:128, ♂. Holotype: ♂: Kazakhstan: 60 km east of Kustanai (ZIN). – Kazenas, 2001b:53 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:118 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:138 (geographic distribution, collecting localities in Kazakhstan).

5. *abdominalis* (Fabricius)

Philanthus abdominalis Fabricius, 1804:306, sex not stated. Syntypes: ♀, Morocco: Tanger (ZMUC). – Thunberg, 1815b:287 (diagnostic characters), 290 (redescription); W. Schulz, 1912:70 (Thunberg's specimens not preserved in his collection), 90 (redescription of Fabricius's only specimen); Giner Marí, 1941b:284 (original description copied, discussion of identity); de Beaumont, 1950c:318 (interpretation of species). – **As *Cerceris abdominalis***: F. Smith, 1856:445 (new generic assignment, in catalog of Hymenoptera in British Museum); Dalla Torre, 1897:449 (in catalog of world Hymenoptera); de Beaumont, 1951b:177 (synonymy cited), 1951f:371 (Morocco; redescription), 1953g:123 (Morocco), 1957d:336 (recorded from Spain by Radoszkowski, 1870, otherwise from North Africa); van der Vecht, 1961a:65 (type material studied); Ceballos, 1964:88 (in supplement to catalog of Spanish Sphecidae); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:318 (in Sphecid Fauna of Western Europe); K. Schmidt, 2000:17 (in revision of Western Palearctic *Cerceris*); Dollfuss, 2018:1126 (Morocco: Kenitra), 2021:578 (Morocco: Kenitra); Malash, Edmardash, and Gadallah, 2022:5 (in catalog of Middle Eastern and North African Philanthinae).

Cerceris hispanica Radoszkowski, 1870:105, ♀, ♂, junior secondary homonym of *Cerceris hispanica* (Gmelin, 1790). Syntypes: Spain: Andalusia: no specific locality (Kraków). Synonymized with *Cerceris abdominalis* by de Beaumont, 1950c:319, 324. – Dalla Torre, 1897:462 (in catalog of world Hymenoptera); Shestakov, 1928:266 (as senior synonym of *Cerceris nigrocincta*); Dollfuss, 1989:8 (type material in NHMW).

Cerceris radoszkowskyi Schletterer, 1887:423 (in revision of Palearctic *Cerceris*). Substitute name for *Cerceris hispanica* Radoszkowski, 1870. – Schletterer, 1887:500 (in checklist of world *Cerceris*); Ed. André, 1889:277, 318 (in revision of Sphecidae of Europe and Algeria, as *radoszkowskii* on p. 318), 1891:29* (bibliographic references); Mercet, 1914:445 (recorded from Spain); Kohl, 1916:121 (specimens in O. Radoszkowski collection, Kraków, Kraków); von Schulthess, 1926b:211 (Morocco); Dollfuss, 1989:11 (type material in NHMW, as *radoszkowskii*).

Cerceris ceballosi Giner Marí, 1941b:278, ♀. Holotype or syntypes: ♀, Morocco: Laguna Guedira (MNCN). Synonymized with *Cerceris abdominalis* by de Beaumont, 1951f:371.

As *Cerceris nigrocincta*: Giner Marí, 1941a:62 (in revision of Spanish *Cerceris*), 1941b:278 (in revision of North African *Cerceris*), and 1943a:103 (in Sphecid Fauna of Spain), corrected to *Cerceris abdominalis* by de Beaumont, 1957d:336; Ceballos, 1956:370 (in catalog of Hymenoptera of Spain), present correction.

6. *abdominiglabra* X. Li and Q. Li

Cerceris abdominiglabra X. Li and Q. Li *in* X. Li, Q. Li, and L. Ma, 2014:225, ♂. Holotype: ♂, China: Guangxi: Baise City (Yunnan Agricultural University, Kunming).

7. *aborlana* Tsuneki

Cerceris aborlana Tsuneki *in* Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:77, ♀. Holotype: ♀, Philippines: Palawan: Aborlan (USNM). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:46, 49 (in key to *Cerceris* of Philippines); Nuhn and Menke, 1994:25 (holotype transferred to USNM).

8. *abuensis* R. Turner

Cerceris abuensis R. Turner, 1912e:807, ♀, ♂. Syntypes: India: Rajasthan: Mount Abu (BMNH). – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); Giner Marí, 1945c:850 (India: Maharashtra: Khandala); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae).

9. *acanthophila* Cockerell

Cerceris acanthophila Cockerell, 1897b:135, ♂ (as *acanthophilus*, incorrect original termination). Lectotype: ♂, USA: New Mexico: Deming (ANSP), designated by Cresson, 1928:48. – Ashmead, 1899d:296 (in checklist of North American Sphecidae, as *acanthophilus*); Cockerell, 1899a:142 (New Mexico, as *acanthophilus*); Viereck and Cockerell, 1904b:138 (in revision of New Mexico *Cerceris*); Snow, 1906:9 (Arizona, as *acanthophilus*); Banks, 1947:30 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1004 (in catalog of North American Hymenoptera); nec Scullen, 1960:75 and 1965b:355 (= *Cerceris cockerelli*), 1965b:355 (in revision of North American *Cerceris*); Krombein, 1967:414 (synonymy recorded); Scullen, 1972:17 (in revision of Mexican and Central American *Cerceris*); nec R. Bohart and Grissell, 1975:38 (= *Cerceris cockerelli*); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); Krombein, 1979b:1729 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:469 (in annotated list of North American and Caribbean *Cerceris*); Rust, Menke, and Miller, 1985:47 (California: Channel Islands); Hook, 1987:103 (nesting habits); Frommer, 1988:93 (California: Riverside County: Deep Canyon); Melo, 2000:100 (female associations for use of natal nest); Amarante, 2002:57 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

Cerceris chilopsidis Viereck and Cockerell, 1904b:136, ♀. Holotype: ♀, USA: New Mexico: Rincon (ANSP). Synonymized with *Cerceris acanthophila* by Banks, 1947:30. – Cresson, 1928:48 (holotype in ANSP, as *chilopsides*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1006 (in catalog of North American Hymenoptera, as valid species); Scullen, 1965b:365 (in revision of North American *Cerceris*, as valid species); R. Bohart and Grissell, 1975:42 (in revision of Philanthinae of California, description of ♂); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae, as valid species); Krombein, 1979b:1731 (in catalog of North American Hymenoptera, as valid species); G. Ferguson, 1983c:235 (synonymy with *Cerceris acanthophila* confirmed); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

10. *acolhua* de Saussure

Cerceris acolhua de Saussure, 1867, 90, ♂. Holotype or syntypes: ♂, Mexico: Chapultepec near Mexico City (NHMW). – Schletterer, 1887:485 (in checklist of world *Cerceris*); Cameron, 1890a:124 (bibliographic reference to original description), plate 8 fig 2 (details of morphology illustrated); Dalla Torre, 1897:449 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Scullen, 1972:68 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:576

(in checklist of world Sphecidae); G. Ferguson, 1984b:431 (illegal designation of lectotype: Article 72.4.1), 1984c:469 (in annotated list of North American and Caribbean *Cerceris*); Dollfuss, 1989:8 (type material in NHMW); Amarante, 2002:57 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela spipinoli, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

11. *acuta* Radoszkowski

Cerceris acuta Radoszkowski, 1877:54, ♀. Syntypes: ♀, Kazakhstan: Mount Karak near Bairakum (ZMMU). – Schletterer, 1887:464 (original description copied), 485 (in checklist of world *Cerceris*); Ed. André, 1889:315 (in revision of Sphecidae of Europe and Algeria), 24* (bibliographic references); Dalla Torre, 1897:449 (in catalog of world Hymenoptera); nec R. Turner, 1912e:489 (= *Cerceris nana*); Ramakrishna Aiyar, 1916:559 (in catalog of Indian aculeates described after Bingham, 1897); Shestakov, 1918a:122 (redescription); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); Kazenas, 1978b:64, 67 (in key to Sphecidae of Kazakhstan and Central Asia); Islamov and Kazenas, 1983:44 (Uzbekistan); Kazenas, 1984a:160 (in revision of *Cerceris* of Kazakhstan and Central Asia); Islamov, 1986:521 (Uzbekistan: Surkhandarya and Tashkent Oblast's); Kazenas, 1992c:28 (Turkmenistan: Repetek Nature Reserve), 2001b:53 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:114, 117 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:138 (geographic distribution, collecting localities in Kazakhstan); Dollfuss, 2018:1126 (Tajikistan: Kara Dag); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

12. *adae* R. Turner

Cerceris adae R. Turner, 1936:535, ♀, ♂. Syntypes: Western Australia: 10 mi. southwest of Perth (BMNH). – Tsuneki, 1968e:3 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); Cardale, 1985:296 (in catalog of Australian Sphecidae).

13. *adelpha* Kohl

Cerceris adelpha Kohl *in* Schletterer, 1887:447, ♀. Lectotype: ♀, Korea: no specific locality (Kraków), designated by Kohl, 1916:107 (Article 74.6). – Schletterer, 1887:485 (in checklist of world *Cerceris*); Dalla Torre, 1897:449 (in catalog of world Hymenoptera); Kohl, 1916:107 (study of holotype); Yasumatsu, 1942c:108 (China: Nei Mongol: Apaka at 44°N 114.96°E); Tsuneki, 1961c:12, 18 (in key to *Cerceris* of northeastern Asia), 42 (Korea), 57 (China: Heilungkiang: Harbin), 69 (China: Nei Mongol: Apaka, ca. 45°N 116°E), 1967e:2 (China: Heilungkiang), 1971l:442 (Mongolia; description of ♂), 1971m:18 (China: Nei Mongol: Apaka); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); Kazenas, 1979d:77 (Russia: Primorskiy Kray; redescription), 85 (in key to *Cerceris* of Russian Far East); Tsuneki, 1982b:12 (Korea), 18 (known from Korea); Paik, 1985:203 (in list of Sphecidae of Korea); Nemkov, 1992b:250 (Russia: Far East: Khingan Nature Reserve); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:473, 479 (in key to Sphecidae of Russian Far East); Hua, 2006:277 (in list of Chinese insects, geographic distribution); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia), 2009b:144 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia), 2012c:447 (in catalog of Crabronidae of Russian Far East); J.-K. Kim, 2014:447 (in catalog of Sphecidae *sensu lato* of Korean Peninsula); X. Li, L. Ma, and Q. Li, 2013:587 (China: Nei Mongol: Helan Mountains); Danilov and Mokrousov, 2017b:252 (in catalog of Philanthinae of Russia); Mokrousov, 2017b:13 (Russia: Far East: locality records); Dollfuss, 2018:1126 (Mongolia: several localities), 2021:578 (China and Mongolia (locality records).

Cerceris associa Kohl, 1898a:348, ♀. Holotype: ♀, Russia: Siberia: Irkutsk (NHMW). Synonymized with *Cerceris adelpha* by Mokrousov, 2017b:13. – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Dollfuss, 1989:8 (holotype in NHMW); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia), 2009a:66 (Russia: is an endemic of Irkutsk Oblast') , 2009b:146 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia).

14. *aemula* Arnold

Cerceris aemula Arnold, 1945:37, ♀, ♂. Lectotype: ♀, Madagascar: Bekily (MNHN), designated by Empey, 1983:163. – Empey, 1969a:300 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); Empey, 1983:163 (bibliographic reference, type material examined); Pulawski, 2003b:799 (in checklist of Malagasy Sphecidae); Madl, 2014a:998 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records).

15. *aemuloides* Leclercq

Cerceris aemuloides Leclercq, 1962b:209, ♀. Holotype: ♀, Madagascar: Rogez (MRAC). – R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Empey, 1983:163 (bibliographic reference); Pulawski, 2003b:799 (in checklist of Malagasy Sphecidae); Madl, 2014a:998 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records).

16. *aequalis* Provancher

Cerceris aequalis Provancher, 1888:417, ♀. Lectotype: ♀, USA: California: Los Angeles (USNM), designated by Gahan and Rohwer, 1917:335. – Dalla Torre, 1897:449 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Banks, 1947:16 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1004 (in catalog of North American Hymenoptera); Scullen, 1965b:452 (in revision of North American *Cerceris*, as *aequalis aequalis*); R. Bohart and Grissell, 1975:38 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); Krombein, 1979b:1729 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:469 (in annotated list of North American and Caribbean *Cerceris*); Ratzlaff, 2016:28 (Canada: British Columbia: from Krombein, 1979); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: British Columbia: no specific locality) .

Cerceris aequalis idahoensis Scullen, 1965b:454, ♀. Holotype: ♀, Idaho: Craig's Mountain (ANSP). Synonymized with *Cerceris aequalis* by G. Ferguson, 1984c:469. – Evans, 1970:501 (Wyoming: Jackson Hole); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); Krombein, 1979b:1729 (in catalog of North American Hymenoptera); Zack, 1984:40 (paratype in James Entomological Collection, Washington State University).

17. *aerata* Kazenas

Cerceris aerata Kazenas, 1972a:454, ♀ (as *aeratus*, incorrect original termination). Holotype: ♀, Kazakhstan: 20 km north of Mount Talgar (ZIN). – **As *Cerceris aerata***: R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); Kazenas, 1978b:60 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:95 (in revision of *Cerceris* of Kazakhstan and Central Asia); Esenbekova and Kazenas, 2000:72 (southeastern Kazakhstan: no specific locality); Kazenas, 2001b:53 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:112 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:139 (geographic distribution, collecting localities in Kazakhstan), 2004b:111 (Kazakhstan: western Tien Shan); Yildirim and Ljubomirov, 2005:1801 (first record from Turkey: Erzurum: Şenkaya: Turnalı); Kazenas, 2008a:106 (southeastern Kazakhstan: 20 km north of Talgar); Ljubomirov and Yildirim, 2008:131 (in catalog of Crabronidae of Turkey); Kazenas, 2014a:138 (Kazakhstan: Karatau Mountain Range); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces, as *aerate*); Koçak and Kemal, 2015:139 (in checklist of Hymenoptera of Turkey); Dollfuss, 2021c:578 (Kazakhstan: 10 km east of Djambul); Kaplan and Yildirim, 2021:92 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:5 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1689 (in checklist of Sphecidae *sensu lato* of Turkey).

18. *africanula* Brauns

Cerceris africanula Brauns, 1926:307, ♀, ♂. Lectotype: ♀, South Africa: Eastern Cape Province: Willowmore (TMP), designated by Empey, 1983:163. – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae),

1931:143, 148 (in key to Afrotropical *Cerceris*); Empey, 1969a:300 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae).

19. *agnata* R. Turner

Cerceris agnata R. Turner, 1912e:493, ♀. Holotype or syntypes: ♀, Burma: Tenasserim:Thaung-yin Valley. – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae).

20. *alacris* Mickel

Cerceris alacris Mickel, 1918a:334, ♀. Holotype: ♀, USA: Nebraska: Mitchell (UNL). – Mickel, 1918b:452 (in catalog of Nebraskan Sphecidae); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1005 (in catalog of North American Hymenoptera); Muma, 1952:17 (holotype in UNL), 24 (paratype in UNL); Scullen, 1965b:483 (as new synonym of *Cerceris halone*); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae, as synonym of *Cerceris halone*); G. Ferguson, 1984c:470 (raised species from synonymy, in annotated list of North American and Caribbean *Cerceris*).

21. *alamos* Scullen

Cerceris alamos Scullen, 1972:18, ♀, ♂. Holotype: ♀, Mexico: Sonora: 10 mi. southeast of Alamos (CAS). – R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); G. Ferguson, 1984c:470 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:57 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

22. *alaope* Banks

Cerceris alaope Banks, 1912:22, ♀, ♂. Lectotype: ♂, USA: Virginia: Falls Church (MCZ), designated by G. Ferguson, 1983b:225. – J.Ch. Bradley, 1928:1017 (in catalog of New York Sphecidae: Sea Cliff); Brimley, 1938:447 (North Carolina: Raleigh); Scullen, 1942:188 (as new synonym of *Cerceris prominens*); R. Bohart and Menke, 1976:579 (as synonym of *Cerceris clypeata prominens*); Krombein, 1979b:1731 (in catalog of North American Hymenoptera, as synonym of *Cerceris clypeata prominens*); G. Ferguson, 1984c:470 (valid species, in annotated list of North American and Caribbean *Cerceris*).

Cerceris banksi Scullen, 1965b:461, ♀. Holotype: ♀, USA: Virginia: Falls Church (MCZ). Synonymized with *Cerceris alaope* by G. Ferguson, 1984c:470. – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Krombein, 1979b:1730 (in catalog of North American Hymenoptera); Ahlstrom, 1995:113 (in checklist of insects of North Carolina).

23. *alastoroides* R. Turner

Cerceris alastoroides R. Turner, 1914a:619, ♀. Holotype: ♀, Australia: Northern Territory: Borrolola (BMNH). – Tsuneki, 1968e:4 (in key to *Cerceris* of Australia, as *alastroides*); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); Cardale, 1985:296 (in catalog of Australian Sphecidae).

24. *albicincta* Klug

Cerceris albicincta Klug, 1845:[28], plate 47, fig. 10, ♂. Syntypes: ♂, Sudan: Ambukohl on Nile west of Korti and Doebbe in Dongola (ZMHU). – F. Smith, 1856:445 (in catalog of Hymenoptera in British Museum); Magretti, 1884c:598 (Sudan: Kassala); Schletterer, 1887:373 (in revision of Palearctic *Cerceris*, description of ♀), 485 (in checklist of world *Cerceris*); Ed. André, 1889:267 (in revision of Sphecidae of Europe and Algeria); Schletterer, 1889a:903 (Savigny, 1817, pl. X, Fig. 9 represents *albicincta*); Ed. André, 1891:27* (bibliographic references); Dalla Torre, 1897:449 (in catalog of world Hymenoptera); Longstaff, 1911:125 (Sudan: Mogran); Storey, 1916:108 (Egypt: Maadi); Giner Marí, 1941b:218 (in revision of North African *Cerceris*, description of ♂), 1945e:220 (Western Sahara, redescription of ♂); de Beaumont, 1951b:177 (interpretation of species), 1951f:328 (Sahara; redescription), 1953g:121 (Morocco: Goulmina); Balthasar,

1954b:280 (Palestine: Wadi el Kelt near Jericho); de Beaumont, 1956a:186 (Chad: Tibesti), 1958b:59 (Algeria: Tassili des Ajjer); de Beaumont and Bytinski-Salz, 1959:122 (bibliographic reference to Balthasar, 1954); de Beaumont, 1965b:772 (Chad: Ennedi); Empey, 1969a:300 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); Guichard, 1980:230 (Oman); Roche, 1981:5 (in checklist of Sphecidae of United Arab Emirates); Guichard, 1993a:157 (Arabian Peninsula); Empey, 1983:163 (bibliograpahic reference); D. Baker, 1997b:183 (in catalog of insects described by Klug, 1845); K. Schmidt, 2000:142 (in revision of Western Palearctic *Cerceris*); Gadallah and Assery, 2004a:218 (Saudi Arabia: in key to Sphecidae of Jeddah Region: Jeddah area), 233 (in catalog of Sphecidae of Saudi Arabia); Roche, 2007a:130 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Schmid-Egger, 2011b:508 (United Arab Emirates: Dubai/al-Awir, Dubai/Nakhalai, Khor-Fakkan, Qurraya, Wadi Bih), 517 (color photograph of male); El-Hawagry, Khalil, Sharaf, Fadl, and Aldawood, 2013:65 (Saudi Arabia: Al-Baha Province: Ghabet Shahba); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:357 (in new catalog of Sphecidae of Saudi Arabia); Kazenas, 2013a:141 (color photograph of adult wasp, short information on geographic distribution and nesting habits); S. Gess and Roosenschoon, 2016:106 (Dubai Desert Conservation Reserve, visiting flowers of *Prosopis cineraria* (L.) Druce, Fabaceae, and of *Zygophyllum qatarense* Hadidi, Zygophyllaceae, as *albocincta*); Dollfuss, 2018:1126 (locality records froms Oman, United Arab Emi rates, and Yemen); Dollfuss, 2020a:94 (Mali: Gao, 5 km east of Hombori); Gadallah, 2020b:62 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021a:934 (Algeria: Tamanrassett: 16 km northeast of Guelta), 2021c:578 (locality records from Italy, Morocco, Oman, United Arab Emirates, and Yemen); Malash, Edmardash, and Gadallah, 2022:5 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:292 (United Arab Emirates: locality records); Dollfuss, 2023a:407 (Oman).

25.*albicolor* Shestakov

Cerceris albicolor Shestakov, 1918b:29, ♀. Holotype: ♀, Kazakhstan: 60 verstas (= 64 km) northwest of Uralsk, now Oral (ZIN). – Shestakov, 1923:104, 114 (in key to subgenus *Apiraptrix*, synonymy, distribution), 1927a:19 (Stalingrad Oblast', now Volgograd Oblast'), 20 (Russia: Ural'sk Oblast', now Kazakhstan: Oral); de Beaumont, 1967a:283 (Turkey); Kazenas, 1974:109 (feeding on flowers of *Statice gmelini* Willd., Plumbaginaceae, in Kazakhstan), 1978b:50, 55 (in key to Sphecidae of Kazakhstan and Central Asia); K. Schmidt, 2000:143 (resurrected to full species status, in revision of Western Palearctic *Cerceris*); Yildirim and Ljubomirov, 2005:1801 (Turkey: Erzurum: Aşkale; Kars: Kağızman); Ljubomirov and Yildirim, 2008:131 (in catalog of Crabronidae of Turkey); Baghirov, 2010:679 (Russia: Altai Territories: villages Chemal, Kosh-Agach, and Savvushka); Bitsch, 2010:118 (in supplement to vol. II of Faune de France, 1997: occurring in Bulgaria, Caucasus, Ukraine, European Russia, Asia Minor, and central Asia); Baghirov, 2011b:153 (Russia: Altayskiy Kray: Savvushka; Altay Republic: Chemal, Kosh-Agach); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:21 (Turkey: Tunceli: Pülümür: Doğanpınar); Dollfuss, 2018:1126 (locality records from Bulgaria, Greece, Kazakhstan, Kyrgyzstan, and Turkey); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:8 (Azerbaijan: Nakhichevan Autonomous Republic); Kaplan and Yildirim, 2021:92 (in catalog of Crabronidae of Turkey); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:230 (in revision of Sphecidae *sensu lato* of Europe); Kaplan and Yildirim, 2023:1689 (in checklist of Sphecidae *sensu lato* of Turkey). – **As *Cerceris lunata albicolor***: Pulawski, 1965c:565 (new status); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Kazenas, 1984a:25 (in revision of *Cerceris* of Kazakhstan and Central Asia), 2001d:105, 109 (in key to *Cerceris* of Kazakhstan and Central Asia); Kazenas and Esenbekova, 2001:136 (Kazakhstan: Almatinskiy Nature Reserve); Kazenas, 2002a:148 (geographic distribution, collecting localities in Kazakhstan), 2004b:112 (Kazakhstan: western Tien Shan), 2007a:93 (Kazakhstan: Akmala Oblast': Kurgandzhin Nature Reserve and vicinity), 2008c:255 (Kazakhstan: village Koktum south of Lake Alakol'), 2012b:170 (Ka-

zakhstan: Korgalzhin State Nature Reserve); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:139 (in checklist of Hymenoptera of Turkey); Danilov and Mokrousov, 2017b:252 (in catalog of Philanthinae of Russia); Dollfuss,2021c:579 (locality records from Iran, Kazakhhstan, Romania, Turkey, and Ukraine); Malash, Edmardash, and Gadallah, 2022:6 (in catalog of Middle Eastern and North African Philanthinae).

26. *albifrons* F. Smith

Cerceris albifrons F. Smith, 1856:449, ♂. Lectotype: ♂, Africa: no specific locality (BMNH), designated by Empey, 1983:163 (Article 74.6). – Schletterer, 1887:485 (in checklist of world *Cerceris*); Dalla Torre, 1897:449 (in catalog of world Hymenoptera); Bingham, 1903a:67 (South Africa: Johannesburg); Arnold, 1931:184 (original description copied, description of ♀); Empey, 1969a:300 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); Dollfuss, 2020a:94 (locality records from Namibia and South Africa).

Cerceris hypocritica Brauns, 1926:315, ♀, ♂. Syntypes: South Africa: Eastern Cape Province: Willowmore (TMP). Synonymized with *Cerceris albifrons* by Empey, 1983:163. – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae, as *hypocrita*), 1931:143, 147 (in key to Afrotropical *Cerceris*), 152 (correction to original description), 1942:24 (illustration of female gaster); Empey, 1969a:310 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Gess, 1980a:86 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown), 1981:21 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown; nesting in sandy soils); S. Gess and F. Gess, 2003:132 (South Africa: visiting flowers of *Berula erecta* (Hudson) Cov., Apiaceae, *Maytenus linearis* (L. f.) Marais, Celastraceae, and *Acacia karroo* Hayne, Fabaceae).

As *Cerceris horus* (♂ only): Arnold, 1931:144 (in key to Afrotropical *Cerceris*), 177, corrected to *Cerceris albifrons* by Empey, 1983:163.

27. *albispinosa* Arnold

Cerceris albispinosa Arnold, 1952:469, ♀. Holotype: ♀, Kenya: Olgasalic (BMNH). – Empey, 1969a:300 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); Empey, 1983:163 (bibliograpahic reference , holotype examined).

28. *alboatra* Walker

Cerceris alboatra Walker, 1871:27, ♂. Syntypes: ♂, Egypt: Sinai Peninsula: Wadi Feiran (lost). – Schletterer, 1887:464 (original description copied), 485 (in checklist of world *Cerceris*); Ed. André, 1889:340, and 1891:30* (unrecognizable species); Dalla Torre, 1897:450 (in catalog of world Hymenoptera); Innes Bey, 1912:113 (specimens recorded by Walker, 1871, now destroyed by dermestids, were collected at Wadi Feiran); nec Mochi, 1938:187 (= *Cerceris tricolorata*); Guiglia, 1940a:284 (Libya: Beni Ulid, El-Hag); nec Honoré, 1941:150 (= *Cerceris tricolorata*); Guiglia, 1942b:231 (Libya); de Beaumont, 1951f:347 (Sinai, Israel; redescription); de Beaumont and Bytinski-Salz, 1959:122 (Israel: Ein Gedi); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); Guichard, 1980:230 (Oman); Empey, 1983:164 (bibliograpahic reference); Guichard, 1993a:158 (Arabian Peninsula); Roche and Zalat, 1994:117 (Egypt: Sinai Peninsula); K. Schmidt, 2000:24 (in revision of Western Palearctic *Cerceris*); Gadallah and Assery, 2004a:218 (Saudi Arabia: in key to Sphecidae of Jeddah Region), 233 (in catalog of Sphecidae of Saudi Arabia); Roche, 2007a:134 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Schmid-Egger, 2011b:508 (recorded from United Arab Emirates by Guichard, 1993a); El-Hawagry, Khalil, Sharaf, Fadl, and Aldawood, 2013:65 (Saudi Arabia: Al-Baha Province: Jebel El-Baher); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:357 (in new catalog of Sphecidae of Saudi Arabia); Dollfuss, 2018:1127 (locality records from Algeria, Egypt, and Oman); Gadallah, 2020b:62 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021a:934 (Oman: 17 km west of Súr), 2021c:579 (Oman, United Arab Emirates, and Yemen: locality

rcords); Malash, Edmardash, and Gadallah, 2022:6 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:292 (United Arab Emirates: locality records, as *alboatra* Mochi); Dollfuss, 2023a:408 (Oman).

Cerceris zethiformis Giordani Soika, 1942:201, ♂. Syntypes: ♂, Sudan: Singa (Univ. Torino). Synonymized with *Cerceris alboatra* by Empey, 1983:163. – Empey, 1969a:326 (bibliograpahic reference, type material examined, reference to holotype is incorrect); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae).

29. *albofasciata* (Rossi)

NOTE: The name *albofasciata* was incorrectly used for *Cerceris sabulosa* prior to de Beaumont, 1950c:319.

Vespa albofasciata Rossi, 1790:87, ♀ (as *albo-fasciata*, incorrect original hyphenation). Holotype or syntypes: ♀, Italy: Etruria, now Toscana: no specific locality (lost). – de Beaumont, 1950c:319 (interpretation of species). – **As *Crabro albofasciatus***: Rossi, 1792:138 (new generic assignment, Italy: Toscana: Pisa area). – **As *Cerceris albofasciata***: Vander Linden, 1829:118 (new generic assignment, bibliographic references, Italy: Toscana, may be a variety of *Cerceris tricincta* Spinola); nec Dahlbom, 1845:499 (= *Cerceris sabulosa dahlbomi*); F. Smith, 1856:440 (in catalog of Hymenoptera in British Museum); nec A. Costa, 1863:66, 1867c:71, and 1869b:110 (= *Cerceris eryngii*); Kirchner, 1867:221 (in catalog of European Hymenoptera); nec Radoszkowski, 1870:102 (= *Cerceris sabulosa*); nec A. Costa, 1872a:29 (= *Cerceris eryngii*); nec Radoszkowski, 1877:62 (= *Cerceris sabulosa* and *C. rybyensis*); nec Schletterer, 1887:383 (= *Cerceris sabulosa dahlbomi*); Schletterer, 1887:485 (in checklist of world *Cerceris*); nec Ed. André, 1889:262 (= *Cerceris sabulosa*); nec Steck, 1890:168, 170 (= *Cerceris sabulosa*); De Stefani Perez, 1895:227 (in catalog of Sicilian Hymenoptera); nec Rudow, 1996:329 (= *Cerceris sabulosa dahlbomi*); Dalla Torre, 1897:450 (in catalog of world Hymenoptera); nec Łoziński, 1920:121 (= *Cerceris sabulosa dahlbomi*); nec Lauterborn, 1925:355 (= *Cerceris sabulosa*); nec Friese, 1926:154 (= *Cerceris sabulosa*); nec Schmiedeknecht, 1930:699, 702 (= *Cerceris sabulosa*); nec Vorontsovskiy, 1930:66 (= *Cerceris sabulosa dahlbomi*); nec Kolosov, 1937:218 (= *Cerceris sabulosa*); nec Zavadil, Šustera, and Bat'a, 1937:208 (= *Cerceris sabulosa*); de Beaumont, 1952a:76 (France, redescription), 1954e:87 (Italy: Lido di Venezia); Bajári, 1956a:85 (in catalog of Hungarian *Cerceris*, with list of localities); nec Ceballos, 1956:366 (= *Cerceris sabulosa*); Bajári, 1957a:33, 43 (in key to Hungarian Sphecidae); de Beaumont, 1959a:16 (Italy: Lido di Venezia); Noskiewicz and Puławski, 1960:75, 78 (in key to Polish Sphecidae, not yet found in Poland); Scobiola, 1960a:171 (Romania: several localities); nec Tsuneki, 1961c:9 (= *Cerceris albofasciata navigatrix*); Tsuneki, 1961c:10, 17, 25, 26 (in key to *Cerceris* of northeastern Asia), 41 (Korea), 49 (China: Peking, now Beijing), 57 (China: Heilungkiang: Harbin), 65 (China: Nei Mongol: Apaka, ca. 45°N 116°E); Tano, 1964:38 (Japan: Kyushu: Island of Yakushima); Tsuneki, 1965d:3 (review of nesting habits; prey: Chrysomelidae), 28 (nesting habits), 1966a:22 (Japan); Gauss, 1967:551 (Germany: Baden-Württemberg: Kaiserstuhl); Scobiola-Palade, 1967b:40 (Romania); Tsuneki, 1967e:2 (China: Heilungkiang); Benedek, 1968:72 (Hungary, floral records); Nambu, 1968b:27 (Japan: Saitama Prefecture); Scobiola-Palade, 1968b:142 (Romania: Island of Letea in delta of Danube), 1968c:383 (Romania: Budeşti, Giurgiu, Jegălia, Măgurele, Turnu); Tano, 1968:34 (Japan); Benedek, 1969a:83 (Hungary; marshy meadow); Haneda, 1969:70 (Japan: Yamanashi Prefecture); Itami, 1969:48 (Japan: Niigata Prefecture); Romanova, 1969:133 (Russia: North Caucasus); Tsuneki, 1969e:27 (Japan: specimens in Osaka Museum of Natural History); Zangheri, 1969:1700 (Italy: in catalog of flora and fauna of Romagna Region); Haneda, 1970:13 (Japan: Akita Prefecture); Scobiola-Palade, 1971:206 (in review of *Cerceris* of Romania); Tsuneki, 1971m:17 (China: Peking, now Beijing; Nei Mongol: Apaka); Balthasar, 1972:403 (in Sphecid Fauna of Czechoslovakia); Kazenas, 1972b:125 (Kazakhstan); Scobiola-Palade, 1972a:149 (Romania: delta of Danube: Caraorman), 1972b:251 (Romania); Benedek, 1975:251 (Hungary: onion pollinator); Nambu, 1975b:73 (Japan: Saitama Prefecture); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); Tsuneki, 1976d:293 (China: Heilungkiang); Kolesnikov, 1977:317 (Russia: Bryansk Oblast'); Kazenas, 1978b:69, 70 (in key to Sphecidae of

Kazakhstan and Central Asia); Pulawski, 1978:196, 198 (in key to Sphecidae of European part of USSR); Benedek, 1979:229 (Hungary: Bakony Hills); Kazenas, 1979d:84, 87 (in key to *Cerceris* of Russian Far East); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino, as *albo-fasciata*); Pagliano, 1980:126 (Italy: Veneto); Tsuneki, 1982g:65 (known from Ryukyu archipelago); Dollfuss, 1983a:77 (Austria: endangered in Niederösterreich), 78 (Austria: endangered in Burgenland), 1983b:24 (in catalog of Sphecidae of Austria); Józan, 1983:98 (Hungary); Kazenas, 1984a:187 (in revision of *Cerceris* of Kazakhstan and Central Asia); Józan, 1985b:62 (Hungary south of Lake Balaton), 82 (floral records), 85 (ecological and zoogeographic characteristics); Paik, 1985:203 (in list of Sphecidae of Korea); Radović, 1985:66 (sting apparatus analyzed); Scobiola-Palade, 1985:96 (Romania: delta of Danube); Józan, 1986:374 (Hungary: Kiskunság National Park); Dollfuss, 1987:24 (Austria); Pagliano, 1987:162 and 166 (in key to *Cerceris* of Italy), 1988:142 (in revision of Italian Philanthinae); Dollfuss, 1988:31 (Austria: Niederösterreich: Oberweiden); Karsai, 1988:101 (Hungary: Kiskunság National Park); Pádr *in* Šedivy, 1989a:166 (in checklist of Czechoslovakian Sphecidae); Pádr, 1990:68 (Czech Republic: Praha area); Pagliano, 1990:95 (in catalog of Italian Sphecidae); Chinin, 1991:111 (Russia: Samara Oblast'); Day, 1991:xiii (summary of European Endangered Hymenoptera Lists); Dollfuss, 1991:219 (in key to Sphecidae of North and Central Europe); Negrisolo, 1991:323 (Italy: Udine Province); Józan, 1992c:290 (Hungary: Zselic Hills); Blagoveshchenskaya, 1994: 92 (Russia: Ul'yanovsk Oblast'); Dollfuss, 1994:100 (endangered in Austria); Józan, 1995:105 (Hungary: projected Duna-Dráva National Park); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:472, 477 (in key to Sphecidae of Russian Far East); Negrisolo, 1995a:22 (Italy: Veneto); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Sk. Yamane and Tano, 1995:11 (Japan: Ryukyu Islands); Gusenleitner, 1996a:11 (Austria: Burgenland); Minoranskiy and Shkuratov, 1996:81 (Russia: Rostov Oblast'); Voblenko, Gorobchishin, and Nesterov, 1996:15 (Ukraine: Polesye Region); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:318 (in Sphecid Fauna of Western Europe); Dollfuss, Gusenleitner, and Bregant, 1998:525 (Austria: summary of collecting records from Burgenland); Gorobchishin, 1998a:50 (Ukraine: Kiev and surroundings); Józan, 1998:312 (Hungary: Duna-Dráva National Park); Yamane, Ikudome, and Terayama, 1999:546 (in Identification Guide to Crabronidae of Nansei = Ryukyu Islands, Japan); Esenbekova and Kazenas, 2000:72 (southeastern Kazakhstan: Borandysu, 5 km southwest of village Kazakhstan); K. Schmidt, 2000:28 (in revision of Western Palearctic *Cerceris*); Shkuratov, 2000:56 (Russia: Rostov Oblast': Vëshenskaya village area at 49°37'N 41°45'E); Vicidomini, 2000b:22 (Italy: previously recorded from Campania); Józan, 2001:281 (Hungary: Somogy County); Kazenas, 2001b:53 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:120, 122 (in key to *Cerceris* of Kazakhstan and Central Asia), 249 (review of known biology); Shkuratov, 2001:17 (prey: *Cassida murraea* L., Chrysomelidae); Józan, 2002:54 (Hungary: Mecsek Mountains); Kazenas, 2002a:139 (geographic distribution, collecting localities in Kazakhstan); Shlyakhtenok and Skibinska, 2002:35 (Belorussia: no specific locality); Gorobchishin, 2003:48 (Ukraine: Kiev: botanical garden); Haneda and Inoue, 2003:50 (Japan: Fukui Prefecture: Katsumi in City of Obama); Józan, 2003:228 (Hungary: Látrányi Puszta Nature Conservation Area); Kurokawa, 2003:61 (Japan: city of Fukui: Egamichou); Ohl and Linde, 2003:151 (number of ovarioles); Protsenko, 2003:68, 69 (Ukraine: Odessa Oblast': Island of Malyi Tataru in Danube delta at 45.21°N 29.00°E); Kazenas, 2004d:36 (Kazakhstan: shores of Ural River); Shkuratov, 2004a:73 (Russia: Rostov Oblast'), 2004b:165 (Russia: Rostov Oblast': Gosudarstvennyi Muzey-Zapovednik M.A. Sholokhova); Skibińska *in* Bogdanowicz, Chudzicka, Pilipiuk, and Skibińska, 2004:355 (in catalog of Polish Crabronidae, in error); Suda, 2004:47 (Japan: Yamanashi Prefecture); Wiśniowski, 2004:52 and 63 (in checklist of Polish Sphecidae: reported from Kraków by Łoziński, 1920, certainly in error); Gusenleitner, 2005:1204 (Austria: Niedorösterreich: Lassee at 48°12'40"N 16°52'10"E); Haneda, Nozaka, Tano, Kurokawa, and Murota, 2005:55 (Japan: Gifu Prefecture); Mokrousov and Selivanova, 2005:752 (Russia: Voronezh Oblast'); Negoro, Haneda, and Tano, 2005:49 (Japan: Toyama Prefecture); Pagliano and Negrisolo, 2005:320 (in Sphecid Fauna of Italy); Shorenko,

2005b:99 (Ukraine: Crimea: Karadagh Nature Reserve); Terayama and Tano, 2005:2, 4 (in key to Japanese *Cerceris*); Gorobchishin, 2006:150 (Ukraine: several localities); Haneda, Nozaka, Tano, Kurokawa, and Murota, 2006b:49 (Japan: Nagasaki Prefecture: Tsushima); Hua, 2006:277 (in list of Chinese insects, geographic distribution); Shlyakhtenok, 2006:113 (Belorussia: Polesye Radiological Nature Reserve); Baghirov, 2007:93 (Russia: southwestern Siberia); Józan, 2007:180 (Hungary: Zselic hills); Kazenas, 2007a:93 (Kazakhstan: Akmala Oblast': Kurgandzhin Nature Reserve and vicinity); Ohkusa, 2007:35 (Japan: central Honshu: Aichi Prefecture); Vepřek and Straka, 2007:209 (in catalog of Sphecidae of Czech Republic and Slovakia), 234 (record of *Cerceris albofasciata* by Pádr, 1990, actually refers to *sabulosa dahlbomi*; first record from Czech Republic: Moravia: Pouzdřany, Šardice); Danilov, 2008:351 (Russia: Altayskiy Kray: Barnaul area); Danilov and Tshernyshev, 2008:43 (Russia: Novosibirsk Oblast': Karasuk area); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia); Okusa and Tajima, 2008:75 (Japan: central Honshu: Aichi Prefecture); Zettel, Zimmermann, Wiesbauer, and Schuh, 2008:167 (the only current locality in Austria is Erdpresshöhe in Marchfeld; prey: *Cassida denticollis* Suffrian, *C. nebulosa* Linnaeus, *C. rubiginosa* Müller, *C. vibex* Linnaeus, and *Hypocassida subferruginea* (Schrank), Chrysomelidae); Nemkov, 2009b:145 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia); Rudoiskatel', 2010:150 (Russia: southern Ural Mountains); Shorenko, 2009:369 (in list of Sphecidae *sensu lato* of Crimea); Shorenko and Konovalov, 2010:27 (Ukraine); Baghirov, 2011b:153 (Russia: Altayskiy Kray: Savvushka); Gogala, 2011:31 (Slovenia); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Nemkov, 2012c:447 (in catalog of Crabronidae of Russian Far East); Prisniy, 2012:52 (Russia: Belgorod Oblast'); Yildirim, 2012:78 (Turkey: Iğdır: Aralık); Akulov and Proshchalykin, 2013:118 (Russia: Siberia: Krasnoyarsk Kray: Krasnoyarsk, Minusinsk, and 12 km east of Minusinsk); Kazenas, 2013b:499 (southeastern Kazakhstan: Borandysu 30 km east of Chilik); Shlyakhtenok, 2013:238 (in annotated catalog of aculeate wasps of Belorussia); Bitsch, 2014:410 (references to Wiśniowski, 2004 and Zettel et al., 2008); J.-K. Kim, 2014:447 (in catalog of Sphecidae *sensu lato* of Korean Peninsula); Pagliano, 2014:112 (specimens in M. Spinola collection, Torino); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); P. Rosa and Pagliano, 2015:98 (Italy: Lombardia and Piemonte: Parco del Ticino); Samin, Bagriacik, and Monaem, 2015:196 (Iran: Ardabil: no specific locality); Mokrousov and Popov, 2016:590 (Russia: Krasnodarskiy Kray); Danilov and Mokrousov, 2017b:252 (in catalog of Philanthinae of Russia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:76 (Iran: known from Ardabil Province); Shinohara and Takami, 2017:214 (Japan: Hyogo Prefecture: Sanda City at 34.9205°N 135.2750°E and Chiba Prefecture: Yachio City at 35.7348°N 140.1107°E; prey: 11 species of four genera of Cassidinae, Chrysomelidae); Dollfuss, 2018:1127 (locality records from Austria, Czech Republic, Hungary, Japan, Mongolia, and Slovakia); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:15 (Iran: known from Ardabil Province, as *albofasciata albofasciata*); Shorenko, 2020:49 (Crimea: Karadag Nature Reserve); Dollfuss, 2021a:934 (locality records from Croatia, Czech Republic, Hungary, Iran, and Slovakia), 2021c:579 (locality records from Hungary, Japan, Mongolia, Serbia, Slovakia, and Ukraine); Kaplan and Yildirim, 2021:92 (in catalog of Crabronidae of Turkey); Olszewski, Wiśniowski, and Ljubomirov, 2021:84 (in commented list of Sphecidae *sensu lato* of Poland: Krasnystaw and Podlasie region); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:230 (in revision of Sphecidae *sensu lato* of Europe); Malash, Edmardash, and Gadallah, 2022:7 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1689 (in checklist of Sphecidae *sensu lato* of Turkey); Pytel-Huta and Franchuk, 2024:88 (Ukraine: Rivno Nature Reserve); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

Philanthus albofasciatus Thunberg, 1815a:137, sex not stated, junior secondary homonym of *Cerceris albofasciata* (Rossi, 1790), possibly a bibliographic reference to the latter. Holotype or syntypes: ♀, origin un-

known (Uppsala). Synonymized with *Cerceris albofasciata* (Rossi) by de Beaumont, 1950c:320. – Thunberg, 1815a:128 (diagnostic characters), 1815b:289 (diagnostic characters); Dalla Torre, 1897:482 (in catalog of world Hymenoptera). – **As *Cerceris albofasciata***: W. Schulz, 1912:70 (new generic assignment, study of type specimen); de Beaumont, 1950c:320 (study of type specimen).

Cerceris luctuosa A. Costa, 1867c:89, ♀. Holotype: ♀, Italy: Piemonte: no specific locality (Napoli). Synonymized with *Cerceris albofasciata* by de Beaumont, 1950c:319 and 326. – Bezzi, 1892:123 (Italy: Lombardia: Provincia di Pavia: vicinity of Pavia); Schletterer, 1887:416 (in revision of Palearctic *Cerceris*), 496 (in checklist of world *Cerceris*); Kohl, 1888b:727 (Austria: Tirol, now Italy: Alto Adige); Ed. André, 1889:286, Oblast' 297 (in revision of Sphecidae of Europe and Algeria), 22* (bibliographic references); F. Morawitz, 1893b:420 (Uzbekistan: Pyandjikent); Medina, 1894b:262 (Spain: Sevilla); Sickmann, 1894:204 (China: Hopei Province: Tientsin); Dalla Torre, 1897:466 (in catalog of world Hymenoptera); Mocsáry, 1897:80 (Kingdom of Hungary, some localities are in today's Romania and Slovakia); W. Schulz, 1904b:93 (Ukraine: Kharkov; Caucasus: Yekaterinograd); Vángel, 1905:167 (Hungary); Móczár and Henter, 1907:205 (Hungary: Hatvan, Tatatóváros. Tiszaalpár; Romania: Caraş-Severin: Mehadia); Schmiedeknecht, 1907:240, 243 (in key to Hymenoptera of Central Europe); de Gaulle, 1908:104 (in catalog of French Hymenoptera); Mercet, 1914:445 (recorded from Spain); Kohl, 1916:116 (specimens in O. Radoszkowski collection, Kraków); Noskiewicz, 1922b:231 (Poland: Podole Region: Sinków, now Ukraine); Roth, 1923b:143 (France: Drôme: Beaumont-les-Valence; prey: *Hispa testacea* L., a chrysomelid); Berland, 1925d:61 (in Sphecid Fauna of France); Shestakov, 1927a:7 (Russia: Kursk Oblast'), 9 (Ukraine: Lubni area in Poltava Oblast'), 10 (Poltava Oblast'), 11 (Ukraine: Kherson Oblast'), 19 (Stalingrad Oblast', now Volgograd Oblast'), 19 (Russia: Ural'sk Oblast', now Kazakhstan: Oral); A. Müller, 1930:181 (Bulgaria: Kaliakra); Schmiedeknecht, 1930:701, 704 (in keys to Hymenoptera of North and Central Europe); Vorontsovskiy, 1930:64 (Russia: Orenburg Oblast'); Giordani Soika, 1932a:21 (Italy: Lido di Venezia; prey: *Cassida nobilis* L., Chrysomelidae), 1932b:129 (description of larva); Kolosov, 1934b:103 (prey: *Cassida equestris* Fabricius, *Cassida nebulosa* L., and *Cassida nobilis* L., Chrysomelidae); Zavadil, 1934:187 (Slovakia); Grandi, 1935a:110 (Italy); Maneval, 1935:75 (France: Tarn: Alban); Kolosov, 1937:219 (Ukraine: Kupyansk); Zavadil, 1937a:73 (eastern Slovakia); Zavadil, Šustera, and Bat'a, 1937:209 (in catalog of Sphecidae of Czechoslovakia); Kuntze and Noskiewicz, 1938:378 (in Poland known only from Podole region, now Ukraine); Giner Marí, 1941a:43 (in revision of Spanish *Cerceris*); Yasumatsu, 1942c:108 (China: Nei Mongol: Apaka at 44°N 114.96°E); Giner Marí, 1943a:99 (in Sphecid Fauna of Spain); Guiglia, 1944b:15 (Italy); Balthasar, 1948:143 (Slovakia: Kovačov, Parkan); Šnoflák *in* Zavadil and Šnoflák, 1948:90, 96 (in key to Sphecidae of Czechoslovakia); de Beaumont, 1950c:326 (illegal designation of lectotype); Móczár, 1953:310 (Hungary); Vogrin, 1955:33 (Yugoslavia); Bajári, 1956b:405, 408 (is a synonym of *Cerceris albofasciata*); Ceballos, 1956:369 (in catalog of Hymenoptera of Spain); Radović and Krunić, 1979:unpaginated foldout (nesting in coarse sand and loose soil, foreleg structure).

Cerceris luctuosa A. Costa, 1869b:105, ♀. Objective synonym of *Cerceris luctuosa* A. Costa, 1867c:89.

Cerceris navitatis F. Smith, 1873a:195, ♀. Holotype or syntypes: ♀, Japan: Hakaodate (BMNH). Synonymized with *Cerceris albofasciata* by Tsuneki, 1961c:26. – Schletterer, 1887:475 (original description copied), 497 (in checklist of world *Cerceris*, as *nativitatis*); Dalla Torre, 1897:468 (in catalog of world Hymenoptera); Strand, 1913b:150 (Taiwan, redescription); Sato, 1927:97, 98 (in key to *Cerceris* of Japan); Yasumatsu and Narisada, 1935:73 (China: Liaodang: Dairen, now Dalian); Tsuneki, 1937:186 (nesting habits); Tsuneki, 1942a:130 (nesting habits); Yasumatsu, 1942c:109 (China: Beijing); Iwata, 1960:210 (number of ovarioles and oocytes, egg size).

Cerceris cribrata Mocsáry, 1879:131, ♀, ♂. Syntypes: Hungary: Budapest, Jassenova, and Nagyvárad (TMB). Synonymized with *Cerceris luctuosa* by Kohl, 1888b:727. – Sajó, 1882:5 (Hungary); Chyzer, 1902:33 (Hungary); Haris, 2016:15 (in list of species described by S. Mocsáry from Carpathian Basin).

As *Cerceris nativitatis*: Costa, F. Smith, 1856, emendation or lapsus (citation after R. Bohart and Menke, 1976:576).

ssp. *navigatrix* Strand

Cerceris navigatrix Strand, 1913:161, ♀, ♂ (name proposed conditionally). Holotype: ♂, Taiwan: Taihorin (DEI). – Oehlke and Wudowenz, 1974:424 (holotype in DEI). – Strand, 1927:253 (in list of species described by author). – **As *Cerceris nativitatis navigatrix***: Giner Marí, 1943d:221 (new status, redescription). – **As *Cerceris albofasciata navigatrix***: Tsuneki, 1970c:4, 6 (in key to *Cerceris* of Taiwan), 9 (new subspecific generic assignment, Taiwan, redescription; as *navigastrix*); Haneda, 1972a:6 (Taiwan; as *navigastrix*); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); Porter, Stange, and Wang, 1999:14 (in checklist of Sphecidae of Taiwan); Hua, 2006:277 (in list of Chinese insects, geographic distribution).

As *Cerceris albofasciata*: Tsuneki, 1961c:10, 17, 25, 26 (in key to *Cerceris* of northeastern Asia), 41 (Korea), 49 (China: Peking, now Beijing), 57 (China: Heilungkiang: Harbin), 65 (China: Nei Mongol: Apaka, ca. 45°N 116°E), corrected to *Cerceris albofasciata navigatrix* by Tsuneki, 1970c:9.

ssp. *oasicola* Tsuneki

Cerceris albofasciata oasicola Tsuneki, 1971l:433, ♂. Holotype: ♂, Mongolia: Bayanhongor Aymag: Ehingol Oasis (TMB). – R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); Wu and Zhou, 1996a:172 (in revision in Economic Insect Fauna of China, as *oacicola*); Q. Li and He, 2004:1110 (in hymenopterous fauna of Zhejiang Province, China, as *cacicola*); Hua, 2006:277 (in list of Chinese insects, geographic distribution).

30. *albolineata* (Cameron)

Trachypus albolineatus Cameron, 1908a:279, ♀. Lectotype: ♀: Tanzania: Mount Kilimanjaro: Kibonoto (NRS), designated by Empey, 1974:101. – **As *Cerceris albolineata***: Arnold, 1931:144 (in key to Afrotropical *Cerceris*, as *albolineatus*), 196 (new generic assignment, in revision of *Cerceris* of southern Africa, description of ♂); Empey, 1969a:301 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); Empey, 1983:164 (bibliograpahic reference, type material examined); Dollfuss, 2020a:94 (locality records from Togo and Zaire).

31. *albopectoris* Empey

Cerceris albopectoris Empey, 1973:16, ♂. Holotype: ♂, Yemen: Lodar, also spelled Lawdar (BMNH). – R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); Guichard, 1980:230 (Oman), 1993a:158 (Arabian Peninsula, description of ♀); Empey, 1983:164 (bibliograpahic reference); Gadallah and Assery, 2004a:218 (Saudi Arabia: in key to Sphecidae of Jeddah Region), 233 (in catalog of Sphecidae of Saudi Arabia); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:357 (in new catalog of Sphecidae of Saudi Arabia); Gadallah, 2020b:62 (in list of aculeate wasps of Arabian Peninsula); Gadallah, Abu el-Ghiet, and Edmardash, 2021:1702 (Saudi Arabia: Jazan Province); Malash, Edmardash, and Gadallah, 2022:7 (in catalog of Middle Eastern and North African Philanthinae); Gadallah and Abu El-Ghiet, 2024:89 (Saudi Arabia: Jazan Province: Damad).

32. *albopicta* F. Smith

Cerceris albopicta F. Smith, 1873c:412, ♀, ♂. Syntypes: India: Bombay Presidency, now Maharashtra and Gujarat: no specific locality (BMNH). – Schletterer, 1887:485 (in checklist of world *Cerceris*); Cameron, 1890b:248 (in checklist of Oriental Sphecidae); Bingham, 1897:300 (in key to *Cerceris* of British India), 302 (in revision of *Cerceris* of British India); Dalla Torre, 1897:450 (in catalog of world Hymenoptera, as *albipicta*); R. Turner, 1912e:798 (in revision of *Cerceris* of Indian subcontinent); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae, as *albipicta*); Kazenas, 2001d:106 (in key to *Cerceris* of Kazakhstan and Central Asia).

33. *alcyone* Arnold

Cerceris alcyone Arnold, 1951:114, ♂. Holotype: ♂, Ethiopia: Moggio (BMNH). – Empey, 1969a:301 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Empey, 1983:164 (bibliograpahic reference, type material examined).

34. *alexandrae* F. Morawitz

Cerceris alexandrae F. Morawitz, 1889a:156, ♀ (as *Alexandrae*, incorrect original capitalization). Syntypes: ♀, China: Nei Mongol: Tala-u-lju and Djin-Tasy (ZIN). – Schletterer, 1889b:1128 (redescription); Dalla Torre, 1897:450 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Hua, 2006:277 (in list of Chinese insects, geographic distribution).

35. *amakosa* Brauns

Cerceris amakosa Brauns, 1926:305, ♀, ♂. Lectotype: ♀, South Africa: North-West Province: Lichtenburg (TMP), designated by Empey, 1983:164. – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:141 (in key to Afrotropical *Cerceris*), 1942:5 (recognition characters); Empey, 1969a:301 (in checklist of Afrotropical *Cerceris*), 1970:185 (Zaire: Garamba National Park); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Gess, 1980a:86 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown); Guichard, 1980:230 (Oman); Gess, 1981:21 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown; nesting in sandy soils); Empey, 1983:164 (bibliograpahic reference, type material examined); Guichard, 1993a:162 (Arabian Peninsula); S. Gess and F. Gess, 2003:130 (South Africa: visiting flowers of *Maytenus linearis* (L. f.) Marais, Celastraceae, and *Acacia karroo* Hayne, Fabaceae); Gadallah and Assery, 2004a:233 (in catalog of Sphecidae of Saudi Arabia); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:357 (in new catalog of Sphecidae of Saudi Arabia); Dollfuss, 2020a:94 (locality records from Benin, Botswana, Kenya, Mali, Namibia, Senegal, South Africa, and Zimbabwe); Gadallah, 2020b:62 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021a:934 (Oman: Dhofar: 12 km north of Mirbat: Jebel Samhan at 17.111°N 54.711°E), 2021c:580 (locality records from Iran, Mali, Oman, United Arab Emirates, and Yemen, may be a synonym of *Cerceris rubida*); Malash, Edmardash, and Gadallah, 2022:7 (in catalog of Middle Eastern and North African Philanthinae); Dollfuss, 2023a:408 (Oman); Gadallah and Abu El-Ghiet, 2024:89 (Saudi Arabia: Jazan Province: Abu Arish).

Cerceris vansoni Arnold, 1935a:499 ♀, ♂ (as *van soni*, incorrect original division). Lectotype: ♀, Botswana: Ngami (TMP), designated by Empey, 1983:164. Synonymized with *Cerceris amakosa* by Empey, 1969a:301.

Cerceris celaeno Arnold, 1951:118, ♂. Holotype: ♂, Ethiopia: Moggio (BMNH). Synonymized with *Cerceris amakosa* by Empey, 1983:164. – Empey, 1969a:303 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae).

Cerceris amakosa var. *luteofascialis* Giner Marí: Empey, 1969:327. Nomen nudum.

36. *amamiensis* Tsuneki

Cerceris hortivaga amamiensis Tsuneki, 1961c:30, ♀. Holotype: ♀, Japan: Ryukyu Islands: Amami-Oshima Islands: Nishinakama (originally K. Tsuneki coll., now Hyogo Mus.). – Tsuneki, 1962a:7 (Japan: Ryukyu Islands: Island of Amami-Oshima); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Tsuneki, 1982g:64 (known from Ryukyu archipelago); Tano, 1994a: (holotype in K. Tsuneki collection); Hashimoto and Nakanishi, 1997:29 (holotype transferred to Hyogo Mus.). – **As *Cerceris amamiensis***: Sk. Yamane and Tano, 1995:11 (new status, Japan: Ryukyu Islands; translation into English of Haneda's description of ♂); Yamane, Ikudome, and Terayama, 1999:545 (in Identification Guide to Crabronidae of Nansei = Ryukyu Islands, Japan); Terayama and Tano, 2005:3, 5 (in key to Japanese *Cerceris*).

ssp. *geboharti* Tsuneki

Cerceris boharti Tsuneki, 1968b:107, ♂, junior primary homonym of *Cerceris boharti* Scullen, 1965. Holotype: ♂, Japan: Okinawa: no specific locality (Bishop Mus.).

Cerceris geboharti Tsuneki, 1969h:39. Substitute name for *Cerceris boharti* Tsuneki, 1968. – Tsuneki, 1982g:65 (known from Ryukyu archipelago); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae). – **As *Cerceris amamiensis geboharti***: Sk. Yamane and Tano, 1995:16 (new status; Ryukyu Islands).

ssp. *tokunosimana* Tsuneki

Cerceris tokunosimana Tsuneki, 1973a:7, ♂. Holotype: ♂, Japan: Ryukyus Islands: Island of Tokunoshima: San (T. Nambu coll.). – R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Tsuneki, 1982g:65 (known from Ryukyu archipelago). – **As *Cerceris amamiensis tokunoshimana***: Sk. Yamane and Tano, 1995:11 (new status; Japan: Ryukyu Islands; description of ♀, as *tokunoshimana*).

37. *amathusia* de Beaumont

Cerceris amathusia de Beaumont, 1958d:281, ♀, ♂. Holotype: ♀, Cyprus: Moni River (Lausanne). – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); K. Schmidt, 2000:143 (in revision of Western Palearctic *Cerceris*); Dollfuss, 2018:1128 (Cyprus: Limassol), 2021c:579 (Cyprus: Armenochori 10 km north-northeast of Limassol at 34°45'N 33°08'E and Skariton at 34°50'N 33°22'E); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:231 (in revision of Sphecidae *sensu lato* of Europe); Malash, Edmardash, and Gadallah, 2022:7 (in catalog of Middle Eastern and North African Philanthinae: Cypus).

38. *amatoria* Arnold

Cerceris amatoria Arnold, 1931:173, ♀, ♂. Lectotype: ♀, Zimbabwe: Bulawayo (SAM), designated by Empey, 1983:164. – Arnold, 1931:141, 147 (in key to Afrotropical *Cerceris*); Empey, 1969a:301 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Empey, 1983:164 (bibliograpahic reference, type material examined); Dollfuss, 2020a:95 (locality records from Namibia).

39. *ammonia* Malash, Edmardash, and Gadallah

Cerceris ammonia Malash, Edmardash and Gadallah, 2024a:4, ♀. Holotype: ♀, Egypt: Marsa Matruh at 31°21'34"N 27°14'3"E (Efflatoun Bey colletion, Department of Entomology, Cairo University Giza, Egypt). – Malash Edmardash, and Gadallah, 2024a:4 (in key to Western Palearctic members of *Cerceris bupresticida* species group).

40. *andalgalensis* Fritz and Toro

Cerceris andalgalensis Fritz and Toro, 1969:158, ♀. Holotype: ♀, Argentina: Catamarca: Andalgalá (originally M. Fritz coll., now MACN). – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Fritz, 1993:17 (holotype in M. Fritz coll., species description dated 1969); Amarante, 2002:57 (in catalog of Neotropical Crabronidae), 2005a:12 (correction to his 2002 catalog).

41. *andersoni* R. Turner

Cerceris andersoni R. Turner, 1918c:467, ♀. Holotype: ♀, Kenya: east side of forest of Aberdare Mountains (BMNH). – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:188 (original description copied); Empey, 1969a:301 (in checklist of Afrotropical Cerceris); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Empey, 1983:164 (bibliographic reference, type material examined).

42. *andina* Brèthes

Cerceris andina Brèthes, 1910a:276, ♂. Holotype or syntypes: ♂, Argentina: Jujuy: Jujuy (MACN). – Schrottky, 1913a:229 (Argentina: Juyuy); Brèthes, 1920a:407 (Argentina); Fritz, 1968b:168 (specimens from Yujuy

not found in MACN); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Genise, 1990:26 (type material in MACN); Amarante, 2002:57 (in catalog of Neotropical Crabronidae).

43. *andrei* Gussakovskij

Cerceris andrei Gussakovskij, 1952:280, ♀, ♂. Syntypes: Tajikistan: Stalinabad, now Dushanbe, Kangurt (ZIN). – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Kazenas, 1978b:53, 55 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:58 (in revision of *Cerceris* of Kazakhstan and Central Asia); Kazenas, 2001b:53 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:107, 109 (in key to *Cerceris* of Kazakhstan and Central Asia), Kazenas, 2002a:139 (geographic distribution, collecting localities in Kazakhstan); Dollfuss, 2021c:580 (Kazakhstan: Balkhash 50 km south of Lake Balkhash; Tajikistan: several localities); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

44. *angelica* Kazenas

Cerceris angelica Kazenas, 1977b:432, ♀. Holotype: ♀, Kazakhstan: Panfilov area in Alma Ata Region (ZIN). – Kazenas, 1978b:52 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:40 (in revision of *Cerceris* of Kazakhstan and Central Asia); Esenbekova and Kazenas, 2000:72 (southeastern Kazakhstan: 35-45 km east of Chilik, near landing place Dubun' on Ili River, 5 km southwest of village Kazakhstan); Kazenas, 2001b:53 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:106, 109 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:139 (geographic distribution, collecting localities in Kazakhstan); Nazarova, 2005:94 (alfalfa fields in southwestern Tajikistan); Kazenas, 2008a:106 (southeastern Kazakhstan: 20 km north of Aydarly, 17 km northwest of Bakanas, 35-45 km east of Chilik, near Dubun', 5 km southwest of village Kazakhstan, 8 km south of Zharkent), 2013b:499 (southeastern Kazakhstan: 35-45 km east of Chilik, landing place Dubun' on Ili River); Danilov and Mokrousov, 2017b:252 (in catalog of Philanthinae of Russia); Mokrousov, 2017b:13 (Russia: Astrakhan Oblast' and Kalmykia: locality records; Uzbekistan: Kattakurgan District), 2017d:59 (South-East of European Russia: no specific locality); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

Cerceris valentinae Kazenas, 1978b:54 and 55, ♀, ♂. Syntypes: Central Asia: no specific locality. Synonymized with *Cerceris angelica* by Kazenas, 1984a:40.

45. *angustata* F. Morawitz

Cerceris angustata F. Morawitz, 1893b:418, ♀. Holotype: ♀, Tajikistan: Varzaminor 70 km east of Samarkand (ZIN). – Dalla Torre, 1897:450 (in catalog of world Hymenoptera); Shestakov, 1916b:230 (Armenia: Ordubad; description of ♂), 1918a:124 (Tajikistan and Turkmenistan); de Beaumont, 1967a:284 (Turkey); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Kazenas, 1978b:56, 59 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:83 (in revision of *Cerceris* of Kazakhstan and Central Asia); K. Schmidt, 2000:25 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:53 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:110, 111 (in key to *Cerceris* of Kazakhstan and Central Asia); Yildirim and Ljubomirov, 2007:119 (Turkey: İçel: Aydıncık); Ljubomirov and Yildirim, 2008:132 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:139 (in checklist of Hymenoptera of Turkey); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:21 (Turkey: Tunceli: Sütlüce, as *angustata angustata*); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:77 (Iran: known from South Khorasan Province); Dollfuss, 2018:1128 (locality records from Turkey and Uzbekistan); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:15 (Iran: known from South Khorasan Province, as *angustata angustata*); Dollfuss, 2021a:934 (Turkey: Birecik: Halfeti), 202 Malash, Edmardash, and Gadallah, 2022:7 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1689 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

ssp. *herodias* K. Schmidt

Cerceris angustata herodias K. Schmidt, 2000:26, ♀, ♂. Holotype: ♀, Israel: Wadi Quelet: Saint Georg 5 km west of Jericho (C. Schmid-Egger coll., Berlin). – Malash, Edmardash, and Gadallah, 2022:7 (in catalog of Middle Eastern and North African Philanthinae).

46. *angustifrons* Tsuneki

Cerceris angustifrons Tsuneki, 1971l:429, ♂. Holotype: ♂, Mongolia: Bayanhongor Aymag: Ekhingol oasis (TMB). – R. Bohart and Menke, 1976: 577 (in checklist of world Sphecidae).

47. *angustirostris* Shestakov

Cerceris angustirostris Shestakov, 1918b:7, ♀. Syntypes: Kazakhstan: Lake Inder (ZIN). – Shestakov, 1927a:20 (Russia: Ural'sk Oblast', now Kazakhstan: Oral Oblast'); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Kazenas, 1978b:63, 67 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1978:194, 195 (in key to Sphecidae of European part of USSR); Kazenas, 1984a:121 (in revision of *Cerceris* of Kazakhstan and Central Asia); Gorobchishin, 1993:47 (Ukraine: Kanev Nature Reserve); Voblenko, Gorobchishin, and Nesterov, 1996:15 (Ukraine: Polesye Region); K. Schmidt, 2000:44 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:53 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:114 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:139 (geographic distribution, collecting localities in Kazakhstan); 2004d:36 (Kazakhstan: Lake Inder); Shorenko, 2005a:169 (Ukraine: Crimea), 2005b:99 (Ukraine: Crimea: Karadagh Nature Reserve); Shorenko, 2009:369 (in list of Sphecidae *sensu lato* of Crimea); Baghirov, 2010:679 (Russia: Altai Territories: village Savvushka); Shorenko and Konovalov, 2010:27 (Ukraine: several localities); Baghirov, 2011b:153 (Russia: Altayskiy Kray: Savvushka); Prisniy, 2012:52 (Russia: Belgorod Oblast'); Danilov and Mokrousov, 2017b:252 (in catalog of Philanthinae of Russia); Shorenko, 2017:80 (in Crimea collected in July and August), 2018:130 (Crimea, including localities, habitats, and number of specimens), 2020:48 (Crimea: Karadag Nature Reserve); Dollfuss, 2021c:581 (Kazakhstan: saline south of Zhalpak).

48. *annulata* (Rossi)

Vespa annulata Rossi, 1790:88, sex not stated, junior secondary homonym in *Crabro* of *Crabro annulatus* Fourcroy, 1785. Holotype or syntypes: Italy: Etruria, now Toscana: no specific locality (lost). – **As *Crabro annulatus***: Rossi, 1794:123 (new generic assignment, redescription). – **As *Cerceris annulata***: Vander Linden, 1829:117 (new generic assignment, bibliographic references, Italy: Toscana); Dahlbom, 1844:214 (in revision of Sphecidae and Pompilidae); F. Smith, 1856:440 (in catalog of Hymenoptera in British Museum); Kirchner, 1867:221 (in catalog of European Hymenoptera); de Beaumont, 1950c:320 (unrecognizable from description); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Pagliano, 1988:171 (unrecognizable species), 1990:96 (in catalog of Italian Sphecidae, as nomen dubium); Pagliano and Negrisolo, 2005:489 (in Sphecid Fauna of Italy, as nomen dubium).

49. *annuligera* Taschenberg

Cerceris annuligera Taschenberg, 1875:394, ♀, ♂. Syntypes: Argentina: Mendoza: no specific locality (Halle). – Schletterer, 1887:486 (in checklist of world *Cerceris*); Dalla Torre, 1897:450 (in catalog of world Hymenoptera); Schrottky, 1903b:124 (in checklist of Hymenoptera of Argentina, Paraguay, and Uruguay); Jörgensen, 1912:287 (Argentina: Mendoza Province; floral records); Schrottky, 1913a:229 (Argentina: Catamarca, Chaco, and Mendoza provinces); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Fritz and Mariluis, 1976:96 (in key to *Cerceris spathulifera* species group), 101 (in revision of *Cerceris spathulifera* species group); Amarante, 2002:57 (in catalog of Neotropical Crabronidae).

Cerceris diademata Holmberg, 1903:480, ♀. Lectotype: ♀, Argentina: Chaco: no specific locality (originally MACN, now destroyed: Fritz, 1968b:163), designated by Fritz, 1968b:163 (Article 74.6). Synonymized with *Cerceris annuligera* by Schrottky, 1911:28.

50. *ansa* Shestakov

Cerceris ansa Shestakov, 1914a:98, ♀. Holotype or syntypes: ♀, Uzbekistan: Mynbulag (ZIN). – Shestakov, 1918a:124 (Uzbekistan: Myn-Bulag); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Kazenas, 1978b:60 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:102 (in revision of *Cerceris* of Kazakhstan and Central Asia), 2001b:54 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:112 (in key to *Cerceris* of Kazakhstan and Central Asia), Kazenas, 2002a:139 (geographic distribution, collecting localities in Kazakhstan), 2008a:106 (southeastern Kazakhstan: 17 km northwest of Bakanas); Dollfuss, 2021c:581 (Kazakhstan: three localities); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

51. *antennata* F. Morawitz

Cerceris antennata F. Morawitz, 1890:598, ♂. Holotype: ♂, Turkmenistan: Küren-Dagh (ZIN). – Dalla Torre, 1897:450 (in catalog of world Hymenoptera); Shestakov, 1918a:124 (Turkmenistan); Kazenas, 1972b:131 (Kazakhstan: Taldy-Kurgan Oblast': vicinity of Bashiy in Ili River valley); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Kazenas, 1978b:60, 69 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:201 (in revision of *Cerceris* of Kazakhstan and Central Asia); Islamov, 1986:519 (Uzbekistan: Tashkent Oblast'); Kazenas, 1992c:28 (Turkmenistan: Repetek Nature Reserve); Esenbekova and Kazenas, 2000:72 (southeastern Kazakhstan: Borandysu); Kazenas, 2001b:54 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:119, 121 (in key to *Cerceris* of Kazakhstan and Central Asia), Kazenas, 2002a:139 (geographic distribution, collecting localities in Kazakhstan), 2004b:111 (Kazakhstan: western Tien Shan), 2008a:106 (southeastern Kazakhstan: 15 km south of Bashi, Borandysu), 2013b:499 (southeastern Kazakhstan: Borandysu 30 km east of Chilik), 2014a:138 (Kazakhstan: Karatau Mountain Range); Dollfuss, 2018:1128 (locality records from Kazakhstan, Tajikistan, and Uzbekistan), 2021c:581 (Kazakhstan: Darbaza 40 km north of Tashkent; Uzbekistan: Papngan [*sic*] 20 km northwest of Kokand at 41.2°N 70.6°E and Chirchik at 41.1°N 69.1°E); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

Cerceris nursei R. Turner, 1912e:512, ♀, ♂. Syntypes: Pakistan: Balochistan: Quetta (BMNH). Synonymized with *Cerceris antennata* by Kazenas, 2000a:49. – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae).

Cerceris virgina Shestakov, 1915:10, ♀. Holotype or syntypes: ♀, Turkmenistan: Imam Baba (ZIN). Synonymized with *Cerceris antennata* by Kazenas, 1984a:102. – Shestakov, 1918a:162 (Turkmenistan: Imam Baba); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae).

52. *anthicivora* Evans

Cerceris anthicivora Evans 1982a:369, ♀. Holotype: ♀, Australia: Northern Territory: Elisabeth River 40 km south of Darwin (ANIC). Paratypes: Australia: Queensland. – Evans and Hook, 1982b:160 (communal nesting); Cardale, 1985:296 (in catalog of Australian Sphecidae); Evans and Hook, 1986a:296 (nesting habits), 1986b:1303 (prey: *Anthicus scutellatus* Lea, anthiscid beetle); Naumann, 1998:186 (Australia: northwest Queensland: Musselbrook area, approximately 18°40'S 138°23'E).

53. *antilope* Tsuneki

Cerceris antilope Tsuneki, 1971l:443, ♀, ♂. Holotype: ♀, Mongolia: Hovd Aymag: Somon Bulgan (TMB). – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Kazenas, 1978b:64, 65 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:122 (in revision of *Cerceris* of Kazakhstan and Central Asia), 2001b:54 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:115, 117 (in key to *Cerceris* of Kazakhstan and Central Asia), Kazenas, 2002a:140, 2002a:140 (geographic distribution, collecting localities in Kazakhstan), 2013b:499 (southeastern Kazakhstan: Sortogay on Sharyn River); Dollfuss, 2021c:581 (Kazakhstan: Lepsi at 46.4°N 78.8°E; Mongolia: 50 km north of Ulanbaator and east of Mandal).

54. *antipodes* F. Smith

Cerceris antipodes F. Smith, 1856:451, ♀, ♂. Syntypes: Australia: no specific locality (BMNH). – Schletterer, 1887:486 (in checklist of world *Cerceris*); Froggatt, 1892:221 (in catalog of Australian Hymenoptera); Dalla Torre, 1897:450 (in catalog of world Hymenoptera); R. Turner, 1910b:422 (in key to *Cerceris* of Australia), 1912d:666 (in key to *Cerceris* of Australia), 676 (in revision of *Cerceris* of Australia); Tsuneki, 1968e:6 (in key to *Cerceris* of Australia); Evans and Matthews, 1970:155 (nesting habits); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Alcock, 1980a:223 (communal nesting); Evans, 1982a:356 (in revision of Eastern Australian *Cerceris*); Evans and Hook, 1982b:160 (communal nesting); Cardale, 1985:296 (in catalog of Australian Sphecidae); Evans and Hook, 1986a:28 (nesting habits), 1986b:1300 (prey: mainly Chrysomelidae, but also Curculionidae, Scarabaeidae, and Dermestidae); Bernhardt, 1987:48 (visiting flowers of *Acacia*); McCorquodale, 1988b:93 (possible reasons for nest sharing), 1988c:401 (relatedness among nest mates); McCorquodale and Thomson, 1988:9 (nest shared with *Cerceris australis*); McCorquodale, 1989a:267 (nest defense), 1989b:191 (nesting habits), 1989c:42 (nest sharing, nest switching, longevity, generations overlap); Melo, 2000:100 (female associations for use of natal nest, detailed review).

Cerceris saeva F. Smith, 1873c:414, ♀. Syntypes: ♀, Australia: Victoria: Lower Plenty, now Melbourne (BMNH). Synonymized with *Cerceris antipodes* by Evans, 1982:356. – Schletterer, 1887:501 (in checklist of world *Cerceris*); Froggatt, 1892:222 (in catalog of Australian Hymenoptera); Dalla Torre, 1897:476 (in catalog of world Hymenoptera); R. Turner, 1910b:422 (in key to *Cerceris* of Australia), 1912d:666 (in key to *Cerceris* of Australia), 675 (in revision of *Cerceris* of Australia); Tsuneki, 1968e:6 (in key to *Cerceris* of Australia, as *saeba*), 10 (Australia; additional description); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae).

Cerceris brisbanensis Cockerell, 1930:35, ♀. Syntypes: ♀, Australia: Queensland: Darra (Queensland Museum, Brisbane). Synonymized with *Cerceris antipodes* by Evans, 1982:356. – Tsuneki, 1968e:7 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae).

Cerceris goodwini Cockerell, 1930:35. Holotype: ♀, Australia: Queensland: Stanthorpe (Queensland Museum, Brisbane). Synonymized with *Cerceris antipodes* by Evans, 1982:356. – Tsuneki, 1968e:6 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:587 (as questionable synonym of *Cerceris saeva*).

Cerceris ziegleri Rayment, 1947:256, ♀. Holotype: ♀, Australia: Victoria: Emerald (ANIC). Synonymized with *Cerceris antipodes* by Evans, 1982:356. – Tsuneki, 1968e:5 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae).

Cerceris sculleni Tsuneki, 1968e:15, ♀, ♂ (♂ = *Cerceris australis*). Holotype: ♀, Australia: New South Wales: no specific locality (AMNH). Synonymized with *Cerceris antipodes* by Evans, 1982:356. – Tsuneki, 1968e:5 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae).

55. *anubis* Dollfuss

Cerceris anubis Dollfuss, 2023b:308, ♀, ♂. Holotype: ♀, Kenya: Coast Province: Tsavo National Park near Voi (OÖLM).

56. *apakensis* Tsuneki

Cerceris arenaria apakensis Tsuneki, 1961c:65. ♂. Holotype: ♂, China: Nei Mongol: Apaka at about 45°N 116°E (originally K. Tsuneki coll., now USNM). – Tsuneki, 1961c:19 (key to *Cerceris* of northeastern Asia). – **As *Cerceris apakensis***: Tsuneki, 1971l:434 (full species status, Mongolia), 1971m:17 (China: Nei Mongol: Apaka); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Kazenas, 1979d:89 (key to *Cerceris* of Russian Far East); Nuhn and Menke, 1994:25 (holotype transferred to USNM); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:480 (in key to Sphecidae of Russian Far East); Hua, 2006:277 (in list of Chinese insects, geographic distribution); X. Li, L. Ma, and Q. Li, 2013:587 (China:

Nei Mongol: Helan Mountains); Danilov and Mokrousov, 2017b:252 (in catalog of Philanthinae of Russia); Mokrousov and Danilov, 2017:57 (Russia: Zabaikalskiy Kray: Onon District); Dollfuss, 2021c:581 (Mongolia: 75 km west of Ulanbaator).

57. *apix* Fritz and Mariluis

Cerceris apix Fritz and Mariluis, 1979:34, [♀]. Lectotype: ♀, origin not stated (originally M. Fritz coll., now MACN), designated by Fritz, 1993:17 (Article 74.6). – Amarante, 2002:57 (in catalog of Neotropical Crabronidae).

58. *aquilina* F. Smith

Cerceris aquilina F. Smith, 1856:457, ♀. Holotype or syntypes: ♀, Brazil: Amazonas: Villa Nova, now Parintins (BMNH). – Schletterer, 1887:486 (in checklist of world *Cerceris*); Dalla Torre, 1897:450 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Amarante, 2002:57 (in catalog of Neotropical Crabronidae).

59. *arechavaletai* Brèthes

Cerceris arechavaletai Brèthes, 1909b:65, [♀] (as *Arechavaletai*, incorrect original capitalization). Holotype: ♀, origin unknown, probably Uruguay: no specific locality (Mus. Montevideo). – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Genise, 1990:26 (type material in Museo de Montevideo); Amarante, 2002:57 (in catalog of Neotropical Crabronidae).

60. *arelate* Banks

Cerceris arelate Banks, 1912:18, ♀. Lectotype: ♀, USA: Virginia: Great Falls (MCZ), designated by G. Ferguson, 1983b:225 (Article 74.6). – Rohwer, 1916b:696 (New Hampshire and Virginia, probable in Connecticut); Rohwer *in* Viereck, 1925:696 (in key to Sphecidae of Connecticut, not yet found in State); J.Ch. Bradley, 1928:1017 (in catalog of New York Sphecidae); Scullen *in* Muesebeck, Krombein, and Townes**,** 1951:1005 (in catalog of North American Hymenoptera); Scullen, 1965b:495 (as *Cerceris nigrescens arelate*, new status; in revision of North American *Cerceris*); R. Bohart and Grissell, 1975:49 (as new synonym of *Cerceris nigrescens*); R. Bohart and Menke, 1976:577 (as new synonym of *Cerceris nigrescens* by R. Bohart); G. Ferguson, 1984c:470 (restored to species status; diagnostic characters, in annotated list of North American and Caribbean *Cerceris*); Buck, 2004:27 (Canada: in checklist of Crabronidae of Ontario); Buck, Paiero, and Marshall, 2006:43, 48 (in key to eastern Canadian *Cerceris*); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Ontario, Quebec, first records from Manitoba, New Brunswick, Nova Scotia, and Saskatchewan: no specific locality).

Cerceris nigritula Banks, 1915:402, ♂ (as *nigritulus*, incorrect original termination). Lectotype: ♂, USA: New York: Colden (MCZ), designated by G. Ferguson, 1983b:226 (Article 74.6). Synonymized with *Cerceris nigrescens arelate* by Scullen, 1965b:495. – J.Ch. Bradley, 1928:1017 (in catalog of New York Sphecidae, as *nigritulus*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1009 (in catalog of North American Hymenoptera, as *nigritulus*).

Cerceris crawfordi Brimley, 1928:199, ♂. Holotype: ♂, USA: North Carolina: Raleigh (North Carolina Department of Agriculture). Synonymized with *Cerceris nigrescens arelate* by Scullen, 1965b:495. – Brimley, 1938:447 (North Carolina: Cruso, Raleigh); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1007 (in catalog of North American Hymenoptera).

As *Cerceris finitima*: Finnamore, 1982:253 (in Sphecid Fauna of southern Quebec), corrected to *Cerceris arelate* by Buck, 2004:72

61. *arenaria* (Linnaeus)

Sphex arenarius Linnaeus, 1758:571, sex not stated (as *arenaria*, incorrect original termination). Holotype: ♀, Sweden: Fahlun (Linnean Society, London). – O. Müller, 1764:72 (Denmark: Zeeland: Fridrichsdal near Copenhagen); Forster, 1771b:31 (in catalog of North American animals); Linnaeus, 1771:13 (Sweden:

Södermanland: Ryby at 59º28'N 15º46'E); O. Müller, 1776:160 (redescription; Denmark and Norway); de Villers, 1789:235 (redescription); Christ, 1791:272 (redescription); Schrank, 1802:336 (Germany: in revision of insects of Bavaria = Bayern); Richards, 1935a:50 (study of holotype); Day, 1979:50 (study of holotype); Day and Fitton, 1978:193 (recuration of Linnean type material). – **As *Crabro arenarius***: Fabricius, 1787:297 (new generic assignment, redescription); Olivier, 1792:516 (redescription).– **As *Philanthus arenarius***: Fabricius, 1790:225 (new generic assignment, redescription), 1793:290 (redescription), 1796:137 (in Index to his Entomologia Systematica, 1793); Panzer, 1797, Heft 46:2 (in revision of German insects); Fabricius, 1804:303 (redescription); Panzer, 1806:173 (in critical review of his earlier work); Jurine, 1807:202 (in checklist of European *Philanthus*); Thunberg, 1815a:128 (diagnostic characters), 136 (redescription), 1815b:289 (diagnostic characters), 294 (redescription); Dahlbom, 1845:XXIV (specimens in collection Fabricius examined); Peets, 1909-1911:68 (*Philanthus arenarius* of Panzer = *Cerceris labiata*, now *ruficornis*). – **As *Cerceris arenaria***: Billberg, 1829:107 (new generic assignment, specimens from Sweden in collection Billberg); Stephens, 1829a:367 (in catalog of British insects), 1829b:34 (in checklist of British insects); Vander Linden, 1829:111 (bibliographic references, redescription, Belgium: Bruxelles, large part of Europe); Shuckard, 1837a:233 (in revision of British Aculeata); von Siebold, 1839:52 (Germany: Danzig, now Poland: Gdańsk); Herrich-Schaeffer, 1840:296 (Germany: Bayern: Regensburg area); Dufour, 1841a:509 and 1841b:245 (digestive tract), 1841a:511 and 1841b:247 (male reproductive system), 1841a:512 and 1841b:248 (female reproductive system); Dahlbom, 1842a:16 (in review of Scandinavian aculeates), 1844:205 (in revision of Sphecidae and Pompilidae), 1845:499 (in key to world *Cerceris*); Lepeletier de Saint Fargeau, 1845:16 (in revision of world Hymenoptera); Eversmann, 1849:403 (Russia: between Ural Mountains and Volga); von Kiesenwetter, 1849:89 (Germany: Kingdom of Saxony: Dresden, Leipzig); F. Smith, 1849a:2373 (Great Britain: Devonshire); Wissmann, 1849:13 (Germany: Kingdom of Hannover: Regenstein in Harz Mountains); Tischbein, 1850:9 (Germany: Rheinland-Pfalz: Herrstein in Fürstenthum Birkenfeld); F. Smith, 1851c:41 (Great Britain: no specific locality); Wesmael, 1852:263 (Belgium); Kirschbaum, 1853:46 (Germany: Herzogtum Nassau: Mainz-Mombach); F. Smith, 1853:65 (in checklist of British Hymenoptera); Kirchner, 1854:312 (Czech Republic: Kaplitz in Budweiser District, now České Budějovice); Fabre, 1856a:138 (France: Vaucluse: Avignon area), 1856b:184 (list of prey); F. Smith, 1856:436 (in catalog of Hymenoptera in British Museum); Kawall, 1857:24 (Kurland, now Latvia); Ruthe and Stein, 1857:314 (Germany: Berlin area); Schenck, 1857:147 (Germany: in revision of fossorial wasps of Nassau Region); A. Costa, 1858:20 (Italy: Campania: Monti Partenii in Benevento Region); Lucas, 1858:398 (nest structure, curculionid prey); F. Smith, 1858c:190 (in review of British Aculeata, redescription); Taschenberg, 1858:81 (in key to Sphecidae of Germany); Assmus, 1859:613 (Russia: Moscow Governorate); Belke, 1859:70 (Ukraine: Kamieniec Podolski); Funk, 1859:58 (Germany: Bayern: Bamberg); Schenck, 1860:147 (Germany: Nassau Region); Sichel, 1861:752 (Italy: Sicilia); Brischke, 1862:102 (Germany: Preussen Province, now Poland: Pomorze Region); Brown, 1863:182 (Great Britain: Burton-on-Trent); A. Costa, 1863:66 (Italy: Calabria Ulteriore: no specific locality), 1864c:124 (Italy: Campania: Benevento area); Siła-Nowicki, 1864:54 (Poland: Tatry Mountains), 1865:54 (western Ukraine: Galicia region: no specific locality); F. Smith, 1865b:86 (Great Britain: Dorset County: Bournemouth); Belke, 1866:512 (Ukraine: Zhytomyr Oblast': Radomyshl'); Taschenberg, 1866:190 (in revision of Hymenoptera of Germany); A. Costa, 1867a:23 (Italy: Campania: Montagne di Cava), 1867c:71 (in revision of Italian Sphecidae); Jaennicke, 1867:147 (Germany: Hessen: Frankfurt area); Kirchner, 1867:221 (in catalog of European Hymenoptera); Schenck, 1867a:354 (Germany: Nassau Region); Dietrich, 1868:363 (Switzerland: Zurich Canton); Jaennicke, 1868:9 (Germany: Hessen: Rüsselsheim, Taunus); Wierzejski, 1868:117 (Ukraine: Podole Region: Janów); A. Costa, 1869b:103 (in revision of Italian Sphecidae); Palma, 1869:43 (Italy: Sicilia settentrionale, as *arenaria* Vander Linden); von Aichinger, 1870:317 (Austria: Tirol); Radoszkowski, 1870:102 (synonyms, synonymy to be corrected); Thomson, 1870:248 (in revision of Swedish wasps); A. Costa, 1872a:20 (Italy: in revision of Sphecidae of Kingdom of Naples); P. Ivanov, 1872:152

(Ukraine: Khar'kov Oblast': Kupyansk area); Schlechtendal, 1872:37 (Germany: Sachsen: Zwickau); Dours, 1874:143 (in catalog of Hymenoptera of France); Thomson, 1874:245 (in revision of Hymenoptera of Scandinavia); Wierzejski, 1874:260 (Poland: Lubaczów, Żegiestów; Ukraine: Podole Region: Kalinowce, Janów); Marquet, 1875:204 (France: Languedoc); Taschenberg, 1875:390 (Germany: Halle; Italy: Liguria: La Spezia); Beuthin, 1876:231 (Germany: Hamburg area); Frivaldszky, 1876:354 (Hungary: Temes Komitat: Grebenácz, now in Timiş District in Romania); nec Radoszkowski, 1877:58 (= *Cerceris media*); Girard, 1879:919 (morphology and habits); Kohl, 1880:155 (Austria: Tirol, and Italy: Trentino–Alto Adige), 226 (prey: *Brachyderes incanus* L., a curculionid); E. Saunders, 1880:274 (in revision of British Aculeata); Siebke, 1880:66 (Norway); Marquet, 1881:190 (southern France, coleopterous prey); E. Saunders, 1881:165 (Portugal: Silves); Yaroshevskiy, 1881:123 (Ukraine: Khar'kiv Oblast': Khar'kiv, Kupyansk, Zmiyev District); De Stefani Perez, 1882:39 (Italy: Sicilia: Sciacca); A. Costa, 1883:57 (Italy: Sardegna); Friese, 1883:201 (Germany: Thüringen: Gumperda); Kohl, 1883e:664 (Switzerland); Sickmann, 1883:82 (Germany: Niedersachsen: Wellingholthausen); Harwood, 1884:211 (England: Essex: Colchester area); von Heyden, 1884:118 (Germany: Frankfurt am Main); De Stefani Perez, 1886:171 (Italy: Sicilia: monte di Renda near Palermo); Wüstnei, 1886:40 (Germany: Schleswig-Holstein: Husum); Gasperini, 1887:17 (Dalmatia: Brusije and San Giorgio on Island of Lesina, Spalato, now Croatia: Brusje and Sućuraj on Island of Hvar, Split); Schletterer, 1887:413 (in revision of Palearctic *Cerceris*), 486 (in checklist of world *Cerceris*); Brischke, 1888b:98 (Germany: Preussen Province, now Poland: Pomorze Region); Kohl, 1888b:727 (Austria: Tirol, now Italy: Alto Adige); Ed. André, 1889:292, 296, 309 (in revision of Sphecidae of Europe and Algeria); Schletterer, 1889a:901 (faunal records), 1889b:1126 (Armenia: Arax Valley); Steck, 1890:169, 170 (in key to *Cerceris* of Switzerland); Ed. André, 1891:25* (bibliographic references); F. Morawitz, 1891a:215 (Russia: Astrakhan' Governorate); Wüstnei, 1891a:26 (Germany: Schleswig-Holstein: Glücksburg); Assmuss, 1892:52 (Russia: earlier record from Moscow Governorate repeated); A. Costa, 1893b:8 (Tunisia); Kohl, 1893a:35 (Austria: Niederösterreich); F. Morawitz, 1893a:113 (Russia: Karelian Isthmus); Sickmann, 1893:92 (Germany: Niedersachsen: Iburg, analysis of color variation); Westerlund, 1893:26 (Russia: Karelian Republic: northern shore of Lake Ladoga); Baldini, 1894:57 (Italy: Modena area); De Stefani Perez, 1894:216 (Italy: Sicilia); Krieger, 1894:12 (Germany: Kingdom of Saxony); Medina, 1894b:262 (Spain); F. Morawitz, 1894:353 (Turkmenistan: Kheirabad); Schletterer, 1894:33 (Istria Peninsula, now part of Croatia, Slovenia, and Italy); De Stefani Perez, 1895:227 (in catalog of Sicilian Hymenoptera); Laboulbène, 1895:180 (preying on Curculionidae); Meunier, 1896:272 (Belgium: Bruxelles area); E. Saunders, 1896:119 (in revision of British Aculeata); Acloque, 1897:82 (in Sphecid Fauna of France and Algeria); Borries, 1897:57 (nesting habits); Dalla Torre, 1897:450 (in catalog of world Hymenoptera); Lüderwaldt, 1897b:30 (Germany: Gollnow, now Poland: Pomorze Region: Goleniów); Mocsáry, 1897:80 (Kingdom of Hungary, some localities are in today's Croatia, Romania, and Slovakia); Flamary, 1898:38 (France: Saône-et-Loire: Mâcon area); Strand, 1898b:94 (Norway); Alfken, 1899:106 (nesting habits); Nevinson, 1900:62 (Great Britain: Wales: Towyn); Adlerz, 1901:180 (nesting habits); Gardner, 1901:379 (Great Britain: Cheshire: formerly common on sandhills); Nevinson, 1901:72 (Great Britain: Wales: Criccieth); N. Arnold, 1902:89 (Russia: Mohilev Province, now Belorussia); Barnes, 1902:266 (Great Britain: Berkshire: Wellington College in Crowthorne); R. Bradley, 1902:267 (Great Britain: northern Wales); Chyzer, 1902:33 (Hungary); Nevinson, 1902:12 (Great Britain: Cornwall: Newquay); E. Saunders, 1902:143 (British Channel Islands: Islands of Alderney, Guernsey, and Jersey; France: Bretagne: Saint Briac); de Cobelli, 1903:109 (Italy: Province of Trentino); E. Saunders, 1903b:17 (Great Britain: North Wales: Harlech); Strand, 1903:7 (Norway: Austad); Adlerz, 1904:66 (nesting habits); Antiga and Bofill, 1904:21 (Spain: Cataluña Province); E. Aurivillius, 1904:274 (in revision of Swedish Sphecidae); Jourdain 1904:221 (Great Britain: Derbyshire: Repton Shrubs); E. Saunders, 1904c:607 (Spain: Mayorca), 639 (Spain); W. Schulz, 1904b:93 (Greece); Zilahi Kiss, 1904:77 (Hungary: Peér, Tasnád, Zovány); Kubes, 1905:83 (Czech Republic: Kolín, Sušice); Mantero, 1905:69 (Italy: Toscana:

Isola del Giglio); Mortimer, 1905:261 (Great Britain: Wales: Aberdovey); W. Schulz, 1905b:38 (Algeria: Philippeville, now Skikda); von Heyden, 1905:82 (Germany: Hessen: Frankfurt); Dusmet y Alonso, 1906:7 (Spain); Graeffe, 1906:455 (Tunisia: Carthago); Móczár and Henter, 1907:205 (Hungary: Hatvan, Putnok, Tiszaalpár; Romania: Caraş-Severin: Mehadia); Schmiedeknecht, 1907:241, 244 (in key to Hymenoptera of Central Europe); de Gaulle, 1908:104 (in catalog of French Hymenoptera); Hamm, 1909:273 (Great Britain: nest parasite: *Setulia* grisea Meigen, a sarcophagid); Morley, 1909:305 (Great Britain: Isle of Wight); Cavro, 1910:685 (France: Département du Nord); Dittrich, 1911b:25 (Germany: Niederschlesien Province, now Poland: Dolny Śląsk Region); Graeffe, 1911:48 (Italy: Trieste area); Mantero, 1911:72 (Italy: Sardegna: Isola dell'Asinara); Morice, 1911:88 (Algeria: Bône, now Annaba, Médéa); Birula, 1912:532 (bibliographic reference to Belke, 1866), 545 (Ukraine: Zhytomyr Oblast': Radomyshl'); Rudow, 1912:67 (preying on beetles *Cassida* and *Chrysomela*, Chrysomelidae); Schirmer, 1912:168 (Germany: Berlin area; prey: *Brachyderes incanus* (Linnaeus), Curculionidae); Zavattari, 1912:3 (Italy: Sardegna: Pantaleo); Torka, 1913:35 (Germany: Provinz Posen, now Poland: Poznań Region); Alfken, 1914:282 (northwestern Germany, list of prey); Birula, 1914:368 (specimens from Radomyshl' are ♂, not ♀), 388 (Belorussia: Ambrosovichi and Luskinopol' near Vitebsk); Hallett, 1914:57 (Great Britain: Cardiff County); Mercet, 1914:445 (recorded from Spain); Szilády, 1914:89 (Hungary: six localities); Dusmet y Alonso, 1915:87 (Spain: Aragón); Shestakov, 1916:235 (Transcaucasia: several localities), 1917b:410 (Finland), 1917c:48 (Crimea), 1918a:124 (Transcaspia); Dubois, 1919:96 (Belgium: Bruxelles: Uccle); O. Meyer, 1919:156 (Germany: Posen Province, now Poland: Poznań Region); Strand, 1920:14 (Germany: Mecklenburg-Vorpommern: Rostock); A. Wagner, 1920:40 (Germany: Lower Elbe region); Berland, 1921:533 (Greece); Strand, 1921:33 (Germany: Bayern: Kulmbach); Dubois, 1922:211, 212, 213 (in key to Belgian Sphecidae); Haines, 1922:13 (Great Britain: Dorset: preying on *Otiorrynchus picipes* (Fabricius) and *Hypera*, Curculionidae); Fahringer, 1922:178 (Turkey); Hedicke, 1922:271 (Germany: Brandenburg: Gross Machnower Weinberg); Maidl, 1922:68 (Albania, Croatia); Shestakov, 1922:80 (Russia: Stavropol'); Strand, 1922:197 (Germany: Bayern: Kulmbach); Alfken, 1924:231 (northern Germany); R. Perkins, 1924:229 (Great Britain: Devon); Berland, 1925d:58 (in Sphecid Fauna of France); Bischoff, 1925:301 (Latvia: Jelowka, Wezkukkul; Poland: Grajewo area); Coulon, 1925:116 (France: Evreux, Montpellier, Rouen; prey); Schütze, 1925:114 (Germany: Lausitz Region); Shestakov, 1925:37 (Russia: Yaroslavl' area); K. Strohm, 1925:212 (Germany: Baden-Württemberg: Heidelberg, Kaiserstuhl); Bouwman, 1926:280 (in list of Sphecidae of Netherlands); Chevalier, 1926c:67 (nesting habits); Friese, 1926:155 (in key to Sphecidae of Central Europe, short morphological and biological characteristics); Grandi, 1926:290 (nesting habits); Hémon, 1926:199 (France: Finistère: Fouesnant); K. Strohm, 1926:74 (reference to Leininger, 1922); Chevalier, 1927:97 (nesting habits); R.C.L. Perkins, 1927:41 (does not sting humans); Shestakov, 1927a:3 (Russia: Leningrad, Pskov, Smolensk, and Vologda Oblast's), 4 (Moskva and Vladimir Oblast's), 5 (Kostroma, Nizhnegorod, Yaroslavl', and Yekaterinburg Oblast's), 6 (Ryazan' Oblast'), 7 (Kursk Oblast'), 9 (Ukraine: Lubni area in Poltava Oblast'), 10 (Ukraine: Odessa and Poltava Oblast's), 11 (Ukraine: Kherson Oblast' and Konotop area in Sumy Oblast'), 19 (Stalingrad Oblast', now Volgograd Oblast'), 19 (Russia: Ural'sk Oblast', now Kazakhstan: Oral Oblast'); F. Werner, 1927:66 (Austria: Niederösterreich: River Kamp valley); Berland, 1928b:176 (add Grandi, 1926 to bibliography in Berland, 1925d); Bouwman, 1928a:360 (in revision of Sphecidae of Netherlands); Jones, 1928b:14 (Great Britain: Hampshire: Milford-on-Sea); Vorontsovskiy, 1928:45 (Russia: vicinity of Orenburg); Grandi, 1929:288 (Italy: Toscana: valle della Limentra), 1930:340 (Italy: Toscana: Maremma); Hamm and Richards, 1930:110 (summary of nesting habits), 123 (list of prey); Schmiedeknecht, 1930:701, 705 (in keys to Hymenoptera of North and Central Europe); Vorontzovskiy, 1930:63 (Russia: Orenburg Oblast'); Bischoff, 1931:9 (Spain); Dusmet y Alonso, 1931:7 (Portugal: Mitra); Pulkkinen, 1931:57 (in revision of Sphecidae of Finland); Bondroit, 1932:38 (Belgium: common in Bruxelles area); Giordani Soika, 1932a:21 (Italy: Lido di Venezia); Motaş, 1932:14 (nest parasite: *Hedychrum nobile* Scopoli, a chrysidid); Bondroit, 1934:60 (Belgium: Ostende);

Drogoszewski, 1933:118 (Poland: Włocławek); Molitor, 1933a:165 (list of prey); Spooner, 1933:203 (Great Britain: Bedfordshire: Sandy); Balles, 1934:21 (Germany: Baden-Württemberg: Achern, Fautenbach, Mannheim-Rheinau, Oberachern); Giner Marí, 1934:131 (Spain); Grandi, 1934:129 (Italy: Lazio: Acilia, and Toscana: San Vincenzo); Jansson, 1934:290 (Sweden); Minkiewicz, 1934:190 (preying on *Brachyderus incanus* Linnaeus, a curculionid); Nadig, 1934:33 (Italy: Sardegna: Aritzo); Spooner, 1934b:278 (Great Britain: Devon: Braunton Burrows); Bernard, 1935:62 (France: Var: Fréjus area); Forsius *in* Forsius and Hellén, 1935:12 (in checklist of Hymenoptera of Finland); Grandi, 1935a:110 (Italy); Minkiewicz, 1935:213 (Poland: Piaski-Gardzienice at 51°05'N 22°50'E); Vergne, 1935:117 (France: Auvergne: common); Yasumatsu and Narisada, 1935:73 (China: Liaodang: Dairen, now Dalian); Crèvecoeur and Maréchal, 1936:254 (in catalog of Belgian Hymenoptera); Pattri, 1936:113 (Germany: Hessen: Darmstadt area, on sandy habitats); Goebel, 1937:47 (Poland: Poznań District: Głuszyna, Kobylopole, Poznań-Dębina, Puszczykowo, Strzeszyn, Strzeszynek, Zalasewo); Kolosov, 1937:218 (Ukraine: Kupyansk); Richards, 1937b:108 (in checklist of British aculeates); Zavadil, Šustera, and Bat'a, 1937:210 (in catalog of Sphecidae of Czechoslovakia); Guiglia, 1938b:8 (Italy: Sardegna); Maréchal, 1938b:209 (Belgium: Louvain area, on flowers of *Jasione montana* L., Campanulaceae); Móczár, 1938c:81 (Hungary: Kőszeg Hills); Molitor, 1938:440 (color recognition); Redikortsev, 1938:144 (Russia: Mordovian State Nature Reserve); A. Wagner, 1938a:123 (northwestern Germany); Guichard, 1939a:43 (Great Britain: southern Cornwall: Polperro), 1939b:78 (Great Britain: Surrey: Limpsfield Common); Hallett, 1939:16 (Great Britain: Wales: abundant in sandy districts); Móczár, 1939:5 (Hungary: Jászberény); Yarrow, 1939:16 (Great Britain: Dorset: Lytchett Minster); Dovnar-Zapolskiy, 1940:304 (Russia: Kursk Oblast'); Balthasar, 1941b:112 (Czech Republic: eastern Moravia); Giner Marí, 1941a:74 (in revision of Spanish *Cerceris*); Paul, 1941:47 (Germany: Pommern: common in Central- and Ostpommern: no specific locality, now Poland: Województwo Zachodniopomorskie); Schneid, 1941:1049 (Germany: Bayern: Bamberg area); Alfken, 1942:231 (Germany: Niedersachsen: Lüneburger Heide); J. Perkins, 1942:200 (Sweden: Skåne: Degaberga); Audcent, 1942:25 (nest parasites: *Metopia leucocephala* Rossi, *Pterella grisea* Meigen, Sarcophagidae); Guiglia, 1942a:56 (Greece: Island of Rhodes: Villanova); Giner Marí, 1943a:105 (in Sphecid Fauna of Spain); Guiglia, 1943d:92 (Albania: Scutari); Spooner, 1943:75 (Great Britain); Timon-David, 1943:29 (France: Bouches-du-Rhône: plage de Fos); Giordani Soika, 1944:12 (Italy: Sicilia: Fiumetorto, Messina, Taormina); Guiglia, 1944a:147 (Cyprus: Cherkes), 1944b:14 (Italy); Giner Marí, 1945a:248 (Greece: Island of Rhodes); Crèvecoeur, 1946:163 (prey record); Carl and de Beaumont, 1947:67 (Switzerland: Graubünden = Grisons Canton: Swiss National Park); Dulac, 1947:53 (France: Saône-et-Loire Department: Creusot area); Guiglia, 1947a:28 (Italy: Piano Maiuri); Balthasar, 1948:143 (Slovakia: Kovačov, Parkan); Cooreman and Crèvecoeur, 1948:277 (nesting habits of acarid parasite *Vidia concellaria* Cooreman); Guichard and Yarrow, 1948:93 (Great Britain: London: Hampstead Heath); Šnoflák *in* Zavadil and Šnoflák, 1948:92, 97 (in key to Sphecidae of Czechoslovakia); de Andrade, 1949:11 (Portugal); Chambers, 1949:232 (Great Britain: Bedfordshire); Sala de Castellarnau, 1949:89 (Spain: Teruel: Bronchales); Cavro, 1950:36 (France: Département du Nord); Georgel, 1950:63 (France: Seine-et-Oise: Sucy-en-Brie); Niesiołowski, 1950:225 (Poland: Lubasz 40 km north of Tarnów); Pittioni, 1950:22 (Cyprus); Szulczewski, 1950:106 (Poland: Wielkopolski National Park 15 km south of Poznań); Caruel, 1951:100 (France: Marne Department); de Beaumont, 1951h:32 (Switzerland: Neuchâtel area); Koornneef, 1951:247 (Netherlands: Velp, teratological specimen); de Beaumont, 1952a:57 (in revision of *Cerceris* of France); Richards, 1952:142 (Great Britain: Anglesea); Cleu, 1953:50 (France: Ardèche River basin); Głowacki, 1953:520 (Poland: Podkowa Leśna near Warszawa); Móczár, 1953:310 (Hungary); Nouvel and Ribaut, 1953:177 (France: Haute-Garonne: Saint-Béat, Luchon; Hautes- Pyrénées: Cauterets); Bischoff and Stadler, 1954:127 (Germany: Bayern: Romberg); de Beaumont, 1954e:87 (Italy); Fahlander, 1954:252 (Sweden: Gästrikland Region); Grandi, 1954:166 (prey: *Sitona flavensens* Marsh., Curculionidae), 236 (Italy); Aerts,

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and Andrietti, 2005:801 (larger females select larger prey); Riemann and Hohmann, 2005:546 (Germany: Niedersachsen: city of Bremen and adjacent area); Saure, 2005:13 (Germany: Berlin); Shorenko, 2005a:169 (Ukraine: Crimea), 2005b:99 (Ukraine: Crimea: Karadagh Nature Reserve); Straka, 2005a:403 (vulnerable in Czech Republic); Terayama and Tano, 2005:2, 4 (in key to Japanese *Cerceris*); Theunert, 2005a:16 (Germany: in checklist of Sphecidae of Niedersachsen and Bremen); Venne and Bleidorn, 2005:42 (Germany: Nordrhein-Westfalen: Moosheide Nature Reserve); Yildirim and Ljubomirov, 2005:1801 (Turkey: Artvin, Balıkesir, Bayburt, Bilecik, Erzincan, Erzurum, Iğdır, İçel, Kahramanmaraş, Konya, Malatya, and Niğde provinces); Ziska and Saure, 2005:80 (Germany: Berlin: Biesenhorster Sand); Archer, 2006b:84 (Great Britain: Yorkshire: Blaxton), 2006c:217 (Great Britain: Staffordshire: Highgate Common); Bock, 2006:41 (Germany: Bayern: Kelheim District: Abensberg sands); Dathe, 2006:37, 38 (*Sphex arenaria* and *Philanthus arenarius*, recorded from Plauenscher Grund near Dresden, Germany, by von Block, 1799, are now *Cerceris arenaria*); Feitz, Gloden, Melchior, and Schneider, 2006:82 (Luxemburg: Baggerweieren area in Haff Réimech Nature Reserve); Gadoum and Barbier, 2006:44 (France: départements of Val-d'Oise and Yvelines: Parc Naturel Régional du Vexin Français: Ennery and Villers-en Arthies); Gorobchishin, 2006:146 (Ukraine: several localities); Liebig, 2006:37 (Germany: Sachsen: Muskauer Heide); Ljubomirov, 2006:537 (Bulgaria and Greece: earlier records from Rhodope Mountains summarized, as *arenaria arenana*); Kaltenpoth et al, 2006:1405 (streptomycetes bacteria absent in female antennal glands); Magdalou, 2006b:110 (France: Pyrénées-Orientales: Mas Larrieu Nature Reserve near Argelès-sur-Mer), 2006c:8 (France: Pyrénées-Orientales: Réserve Naturelle du Mas-Larrieu); Peeters, Krekels, and Megens, 2006:22 (Netherlands: Reichswald forest near Nijmegen); Polidori and Andrietti, 2006:455 (nest abandonment); Polidori, Casisraghi, Di Lorenzo, Valarani, and Andrietti, 2006:155 (philopatry, nest choice, aggregation temporal-spatial change); Polidori, Papadia, Disney, and Andrietti, 2006:1971 (behavior of *Megaselia oxybelorum* Schmitz, a phorid nest parasite, at nest aggregations); N. Schneider, 2006:138 (Luxemburg: anthropogenic habitats); Shlyakhtenok, 2006:113 (Belorussia: Polesye Radiological Nature Reserve); Standfuss and Standfuss, 2006b:100 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Tezcan, Yildirim, Anlaş, and Beyaz, 2006:58 (Turkey: Manisa: Turgutlu, on flowers of *Origanum* sp., Lamiaceae); Vepřek, 2006:508 (Czech Republic: Kokořínsko area); Archer, 2007a:151 (Great Britain: Norfolk: Thetford Warren Lodge), 2007c:152 (Great Britain: South Devon coast); Baghirov, 2007:93 (Russia: southwestern Siberia); Beavis, 2007:97 (Great Britain: Tunbridge Wells and Central High Weald); Burguet, 2007:unnumbered p. 33 (France: Puy-de-Dôme: sands Girauds-Faures in Orléat commune); Cungs, Jakubzik, and Cölln, 2007:139 (Luxemburg: Haardt Nature Reserve); Guldemond, Pijfers, and den Belder, 2007:202 (Netherlands: Gelderland: dairy farm in de Graafschap); Hallin, 2007b:25 (Sweden: Blekinge County); Jacobs, 2007:183, 186 (in key to Crabronidae of Germany); Jansen and Kaluza, 2007:22 (Germany: northwestern Sachsen); Józan, 2007:180 (Hungary: Zselic hills); Kazenas, 2007a:93 (Kazakhstan: Akmala Oblast': Kurgandzhin Nature Reserve and vicinity); Kowalczyk and Nadolski, 2007:283 (Poland: Łódź: railway areas); Polidori, Boesi, Pesarini, Papadia, Bevacqua, Federici, and Andrietti, 2007:83 (temporal relationship between prey spectrum and population structure); Saure, 2007:81 (Germany: in checklist of Aculeata of Brandenburg); Smit and Megens, 2007:17 (Netherlands: Noort Brabant: vicinity of Leende); Vago, 2007:174 (France: départements d'Aisne and Nord); Venne, Bleidorn, and Lauterbach, 2007:300 (Germany: Nordrhein-Westfalen: Bielefeld); Vepřek and Straka, 2007:209 (in catalog of Sphecidae of Czech Republic and Slovakia); Vicidomini and Pignataro, 2007:2 (Italy: Salerno: known from Parco Nazionale del Cilento e Vallo di Diano), 15 (Italy: Provincia di Salerno: ubiquitous); Winkler, 2007:29 (Germany: Niedersachsen: eastern Friesland); Yildirim and Ljubomirov, 2007:119 (Turkey: Konya Province); Archer, 2008b:145 (Great Britain: South Essex: East Tilbury and West Tilbury), 2008c:145 (Great Britain: Lincolnshire: Whisby Nature Park); Danilov, 2008:351 (Russia: Altayskiy Kray: Barnaul area); Danilov and Tshernyshev, 2008:43 (Russia: Novosibirsk Oblast': Karasuk area); Gayubo, González, Tormos, and Asís, 2008:140 (Spain: Salamanca: Parque Natural de Las Batuecas – Sierra de Francia); Haeseler,

2008:307 (Germany: Friesian Islands); Larnhof, 2008:45 (Austria: Niederösterreich: Nature Reserve "in den Sandbergen" near Drösing); Livory, Chevin, Lair, Sagot, and Baldock, 2008:38 (France: Département de la Manche); Ljubomirov and Ban-Calefariu, 2008:204 (Romania: recorded from Maramureş District by Szilády, 1914); Ljubomirov and Yildirim, 2008:132 (in catalog of Crabronidae of Turkey); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia); Ruchin, 2008:175 (Russia: Republic of Mordovia: Smolnyi National Park); Tannert and von der Dunk, 2008:181 (Germany: Bayern: west of Ernhofen and Weissenbrunn); Theunert, 2008:11 (Germany: map of distribution in Niedersachsen and Bremen); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); Debuyser and Vago, 2009:3 (in list of Sphecidae *sensu lato* of northern France), 17 (description, nesting habits); Donie, 2009:9 (Germany: Niedersachsen: Oldenburg); U. Frommer, 2009a:26 (Germany: in checklist of Sphecidae of central Hessen); Gayubo, González, Tormos, and Asís, 2009:365 (Spain: Valladolid: Reserva Natural Riberas de Castronuño – Vega del Duero); González, Gayubo, Asís, and Tormos, 2009:625 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park); Guéorguiev and Ljubomirov, 2009:263 (Bulgaria: Maleshevska Planina); Józan, 2009:167 (Croatia: Polača, Susanj); Kowalczyk, Kurzac, and Nadolski, 2009:62 (Poland: between Warta and Widawka rivers); Mokrousov, 2009:295 (Russia: Republic Mari El); Nemkov, 2009b:145 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia), 2009c:238 (Russia: Primorskiy Kray: Lazovsky Nature Reserve); Ødegaard, Sverdrup-Thygeson, Hansen, Hanssen, and Öberg, 2009:70 (Norway: locality records); Pagliano, 2009:183 (Italy: Molise: Campolieto); Ruchin, Antropov, and Shibayev, 2009:170 (Russia: Republic of Mordovia); Shorenko, 2009:369 (in list of Sphecidae *sensu lato* of Crimea); Szczepko and Wiśniowski, 2009:68 (Poland: Spała Landscape Park); van Diemen, 2009:49 (Netherlands: airbase Gilze-Rijen); Archer, 2010a:52 (Great Britain: Watsonian Nottinghamshire: Spalford Warren); Bitsch, 2010:118 (in supplement to vol. II of Faune de France, 1997: recent biological observations; France: first record from Hautes-Alpes: Gap); Burguet *in* Durand and Burguet, 2010:41 (France Département d'Ardèche: Ardèche Gorges); Ermilov and Mokrousov: 2010:91 (phoretic mites *Calvolia* sp., *Crabrovidia popovi* Zachvatkin, *Parawinterschmidtia kneissli* (Krausse),and *Ramusella clavipectinata* (Michael) in Middle Volga Region of Russia); Esser, Fuhrmann, and Venne, 2010:35 (Germany: in checklist of aculeates of Nordrhein-Westfalen); Falk, 2010:92 (Great Britain: heathland sites in West Midlands region); Ghazi-Soltani, Khaghaninia, and Shahim, 2010:638 (Iran: East Azerbaijan: Horand Forests); Hable, Kraus, von der Dunk, and Wickl, 2010:26 (Germany: Bayern: Sulz- and Ottmaringer Tal); Howe, Knight, and Clee, 2010:100 (United Kingdom: occurring on coastal sand dunes); Johansson, 2010:121 (Sweden: Småland: upper Emå river valley); Mokrousov, 2010a:63 (Russia: Kirov and Nizhniy Novgorod Oblast's, Chuvash Republic, Mari El Republic, Tatarstan: no specific localities); Polidori, Bevacqua, and Andrietti, 2010:2 (peak activity of nest provisioning coincides with peak activity of its nest parasite *Hedychrum nobile*); Rudoiskatel', 2010:149 (Russia: central and southern Ural Mountains); Saure, 2010a:87 (Germany: Berlin-Reinickendorf: Baumberge), 2010b:174 (Germany: Berlin-Reinickendorf: airport Tempel and Flughafensee Protected Area); Schmid-Egger, 2010a:14 (in red list of Aculeata of Germany: relatively common); Shorenko and Konovalov, 2010:27 (Ukraine); Smetana, Roller, Beneš, Bogusch, Dvořák, Holý, Karas, Macek, Straka, Šima, Tyrner, Vepřek, and Zeman, 2010:101 (Western Slovakia: recorded from Borská Nížina); Treiber, 2010:134 (France: département du Haut-Rhin); Tüzün and Yüksel, 2010:4474 (Turkey: Niğde Province); van der Smissen, 2010a:333 (Germany: Schleswig-Holstein and Mecklenburg-Vorpommern: locality records), 2010c:395 (Sweden: Öland and Södermanland: locality records); Wurdack and Gack, 2010:153 (Germany: Baden-Württemberg: Kaiserstuhl); Archer, 2011b:54 (Great Britain: North Norfolk sand dunes), 2011d:187 (Great Britain: Watsonian Yorkshire: Hatfield Moor); Baghirov, 2011b:154 (Russia: Altayskiy Kray and Altay Republic: several localities); Burger, 2011a:286 (Germany: in red list of Sphecidae *sensu lato* of Thüringen); Cruz-Sánchez, Asís, Gayubo, Tormos, and González, 2011:500 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park: effects of wildfire); Falk, 2011:62 (Great Britain: Sussex: South

Downs); Gogala, 2011:31 (Slovenia); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Mokrousov, Berezin, and Egorov, 2011:82 (Russia: Chuvash Republic); Novozhenov, Rudoiskatel', Kostromina, Katana, and Sibiryakov, 2011:221 (Russia: Tyumen' Oblast': Khanty Mansi Autonomous Okrug: Kondino Lakes Nature Reserve); Rudoiskatel', 2011d:239 (Russia: central Ural Mountains); Saure, 2011a:5 (Germany: Berlin: former airport Tempelhof), 2011c:197 (Germany: Berlin-Spandau: Fort Hahneberg), 2011d:199 (Germany: Sachsen-Anstalt: conservation area "Heide südlich Burg"); Schmid-Egger, 2011a:36 (France: Parc National du Mercantour); Theunert, 2011a:18 (Germany: in checklist of aculeates of Niedersachsen including city of Bremen); Tischendorf, Frommer, Flügel et al., 2011:111 (Germany: Hessen: not endangered); Tripotin, 2011:23 (France: Seine-Maritime: artificial sand site near Sandouville); Ziska and Saure, 2011:108 (Germany: Berlin: Tegeler Flieβ valley); Archer, 2012a:130 (Great Britain: Watsonian Yorkshire: Allerthorpe Common), 2012b:183 (Great Britain: urban York); Boillat, 2012:228 (Switzerland: in checklist of insects of Canton de Genève); Burguet *in* Durand and Burguet, 2012:2 (France: Puy-de-Dôme: sands Girauts-Faures in Orléat commune); Cölln, Jakubzik, and Kinkler, 2012:24 (Germany: Nordrhein-Westfalen: Leverkusen); Franzén, Molander, Norén, and Nilsson, 2012:26 (Sweden: Skäne: Kullaberg Peninsula); Kazenas, 2012b:170 (Kazakhstan: Korgalzhin State Nature Reserve); Klimsa, 2012:69 (Germany: Bayern: Schwandorf District); Nemkov, 2012c:447 (in catalog of Crabronidae of Russian Far East); Piguet and Dodelin, 2012:285 (France: Seine-Maritime: rive nord de l'estuaaire de la Seine); Polidori, García, and Nieves-Aldrey, 2012:280 (study of female antennal sensillae); Prisniy, 2012:52 (Russia: Belgorod Oblast'); Saure, 2012b:228 (Germany: Berlin-Spandau: Spandauer Forst); Shibayev and Polumordvinov, 2012:278 (Russia: Penza Oblast'); Shlyakhtenok, 2012b:91 (Belorussia: Beresina National Reserve: overgrowing dry meadow); Strumia, Pagliano, and Gayubo, 2012:56 (Italy: Toscana: Riserva di San Rossore); Tripotin, 2012:23 (France: Seine-Maritime: estuary of Seine river); Yildirim, 2012:78 (Turkey: Adana, Bayburt, Erzurum, Iğdır, and Kars provinces); Zettel, 2012:78 (Austria: Niederösterreich: Golitsch); Bayındır, Gürbüz, Ljubomirov, and Pohl, 2013:146 (Turkey: Isparta: Kasnak Oak Forest Nature Reserve); Dyuzhaeva, 2013:116 (Russia: Samara Oblast': Zhiguli Nature Reserve); Flügel, 2013a:119 (Germany: Brandenburg: Pimpinellenberg near Oderberg); Kazenas, 2013a:137, 138 (color photograph of adult wasp, short information on geographic distribution and nesting habits), 2013b:499 (southeastern Kazakhstan: Ili River valley); X. Li, L. Ma, and Q. Li, 2013:587 (China: Nei Mongol: Helan Mountains); Mokrousov, Ruchin, and Egorov, 2013:203 (Russia: Republic of Mordovia: Mordovian State Nature Reserve); Pankov, 2013:231 (Russia: Ivanovo Oblast'); Saure, 2013:17 (Berlin: Treptow-Köpenick: Gosener Wiesen); A. Scholz and Liebig, 2013:16 (Germany: Sachsen: in list of Sphecidae *sensu lato*); Vieira, Oliveira, Brewster, and Gayubo, 2013:20 (Portugal: Douro International Natural Park and Serras de Aire e Candeeiros Natural Park); Wiśniowski and Piotrowski, 2013:20 (Poland: Poleski National Park); Wiśniowski and Szczepko, 2013:25 (Poland: Kampinos National Park near Warszawa); Baldock, 2014:360 (Spain: Island of Mallorca); Bitsch, 2014:410 (France: Puy-de-Dôme: Orléat); Flügel, 2014:254 (Brandenburg: Hangelsberger Heide); Hellqvist, Abenius, and Norén, 2014:94 (Sweden: in catalog of Ampulicidae, Sphecidae, and Crabronidae, by provinces); Józan, 2014:133 (Croatia: Meka Draga: Kruševo); J.-K. Kim, 2014:447 (in catalog of Sphecidae *sensu lato* of Korean Peninsula); Mokrousov and Vafin, 2014:59 (Russia: Republic of Tatarstan); Protsenko, Fateryga, and Ivanov, 2014:33 (Crimea: many localities); Ruchin and Antropov, 2014:38 (Russia: Republic of Mordovia); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:139 (in checklist of Hymenoptera of Turkey); Lett, 2015:5 (France: Loir-et-Cher: Gièvre); Makovetskaya and Khvir, 2015:268 (Belorussia: Minsk; visiting flowers of *Mentha piperita* L., Lamiaceae); P. Rosa and Pagliano, 2015:98 (Italy: Lombardia and Piemonte: Parco del Ticino); Saure, 2015:12 (Germany: Berlin-Lichterfelde); Simon, Lorthiois, and Macé, 2015:53 (France: alluvial terraces in Eure Department: Courcelles-sur-Seine, and Seine-Maritime Department: Anneville-Ambourville); Bleidorn, Gerth, Hopfe, et al., 2016:10 (Germany: Sachsen:

Trages circa 20 km south of Leipzig); Cölln and Jakubzik, 2016:16 (Germany: Rheinland-Pfalz: Vulkaneifel District); Else, Bolton, and Broad, 2016:46 (in checklist of Aculeata of Great Britain and Ireland: England, Wales); Mokrousov and Popov, 2016:590 (Russia: Adygea, Krasnodarskiy Kray); Reemer and Peeters, 2016:10 (Netherlands: Hulshorsterzand); Saure, 1916c:204 (Germany: center of Berlin: Groβer Tiergarten Park); Schmid-Egger, Dandria, and Xuereb, 2016:81 (in checklist of Crabronidae of Maltese Islands); A. Scholz, 2016:71 (Germany: Sachsen: Kleinraschützer Heide); U. Sörensen, 2016:426 (Germany: Schleswig-Holstein: der Ochsenweg south of Leck); Stolle and Saure, 2016:921 (Germany: in list of Sphecidae *sensu lato* of Sachsen-Anhalt); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:21 (Turkey: Erzurum, Kars, and Tunceli provinces, as *arenaria arenaria*); Arens, 2017a:647 (Greece: Peloponnesus); Burguet and Durand, 2017:9 (France: Puy-de-Dôme: basin of river Crouël); Danilov and Mokrousov, 2017b:253 (in catalog of Philanthinae of Russia); Magdalou, 2017:14 (France: Pyrénées-Orientales: Réserves Naturelles Catalanes: Mas Larrieu, Julols); Shorenko, 2017:80 (in Crimea collected in May through September); Twerd, Krzyżyński, Waldon-Rudzionek, and Olszewski, 2017:6 (Poland: Inowroclaw and Janikowo: nesting in postindustrial soda ash dumping sites); Dollfuss, 2018:1128 (locality records from Aystria, Bosnia, Bulgaria, Croatia, Czech Republic, Finland, France, Germany, Greece, Italy, Iran, Makedonia, Montenegro, Portugal, Slovakia, Spain, Switzerland, Turkey, and Ukraine); Jacobs and Liebig, 2018:137 (Russia: Irkutsk Oblast': Bol'shoye Goloustnoye and Sarma); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); Yildirim and Tezcan, 2018:1708 (Turkey: Erzurum and Manisa provinces); Carminati, Mora, and Cretin, 2019:26 (France: in list of Sphecidae *sensu lato* of Franche-Comté); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:8 (Azerbaijan: Nakhichevan Autonomous Republic); Olszewski and Kowalczyk, 2019:90 (Poland: Pomorze Gdańskie = Gdańsk Pomerania); Ruchin and Antropov, 2019a:13241 (Russia: Mordovia State Nature Reserve); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:15 (Iran: known from East Azerbaijan Province, as *arenaria arenaria*); Shorenko, 2019:211 (among the most common sphecid species in Crimea); Weiser, 2019:10 (Germany: Baden-Württemberg: Schwetzinger Hardt: colonization of deforested area); Yalnız and Tüzün, 2019:16 (Turkey: Adana Province: no specific locality, as *arenaria arenaria*); Ben Khedher, Yildirime, and Braham, 2020c:53 (in Tunisia previously recorded from Tunis); Kejval, Blažej, and Erhart, 2020:116 (western Czech Republic); Örgel, Anlaş, and Tezcan, 2020:639 (Turkey: Manisa Province); Saure, 2020:276 (Germany: Sachsen-Anhalt: sand dunes); Shorenko, 2020:48 (Crimea: Karadag Nature Reserve); Cross, Baldock, and Wood, 2021:63 (in catalog of Sphecidae *sensu lato* of Portugal); Danilov, Odintseva, and Odintsev, 2021:21 (Russia: previously recorded from Omsk Oblast'); Dollfuss, 2021a:935 (locality records from Albania, Austria, Bulgaria, Croatia, Czech Republic, France, Germany, Greece, Hungary, Italy, Makedonia, Montenegro, Serbia, Slovakia, Turkey, and Ukraine: Crimea), 2021c:581 (locality records from Austria. Bulgaria, China, Croatia, Czech Republic, France, Greece, Hungary, Iran, Israel, Italy, Kazakhstan, Kyrgyzstan, Mongolia, Portugal, Russia, Slovakia, Turkey, and Ukraine); Kaplan and Yildirim, 2021:93 (in catalog of Crabronidae of Turkey); Olszewski, Wiśniowski, and Ljubomirov, 2021:84 (in commented list of Sphecidae *sensu lato* of Poland); Saure, 2021:83 (Germany: Brandenburg: Nature Reserve Ferbitzer Bruch near Potsdam); Cross, 2022:134 (Spain: Cantabria: La Iglesia, preying on weevil *Gonipterus platensis* Marelli); Jakubzik and Cölln, 2022:11 (Germany: Rheinland-Pfalz: Moselle River valley between Drohn and Kattenes); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:232 (in revision of Sphecidae *sensu lato* of Europe); Malash, Edmardash, and Gadallah, 2022:7 (in catalog of Middle Eastern and North African Philanthinae); Pytel-Huta, Skyrpan, Tsaryk, Shydlovskyy, and Khamar, 2022:54 (western Ukraine); Embergenov, Akhmedov, and Medetov, 2023:26 (Uzbekistan: southern Lake Aral region); Kaplan and Yildirim, 2023:1689 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution); Pytel-Huta and Franchuk, 2024:89 (Ukraine: Rivno Nature Reserve).

Sphex xanthocephalus J. Forster, 1770:14. Nomen nudum.

Sphex xanthocephalus J. Forster, 1771a:86, sex not stated (as *xanthocephala*, incorrect original termination). Holotype: ♂, England: no specific locality (Linnean Society, London). Synonymized with *Cerceris arenaria* by Morice, 1914:286. – Gmelin, 1790:2734 (redescription); Turton, 1801:495 (redescription); van der Vecht, 1959a:67 (incorrectly identified the species with *Philanthus triangulum*); Day and Fitton, 1977:37 (study of holotype); Day and Fitton, 1978:197 (recuration of type material).

Vespa exulta Harris, 1776:.. Synonymized with ...

Vespa petulans Harris, 1776:.. Synonymized with ...

Vespa serripes Fabricius, 1781:464. Holotype: ♀, "America borealis", actually Europe (BMNH, Banks coll.). Synonymized with *Cerceris arenaria* by Ferguson and Vardy, 1984:55. – Fabricius, 1787:289 (redescription); Olivier, 1791:686 (..); Fabricius, 1793:266 (redescription), 1804:262 (redescription); de Saussure, 1853:265 (probably not a vespid); Cresson, 1863:331 (in checklist of North American *Vespa*), 1887:291 (in checklist of North American *Vespa*); Dalla Torre, 1897:155 (placement questionable); Lewis, 1897:181 (in revision of North American Vespinae); Dalla Torre, 1904:67 (placement questionable). – **As *Cerceris serripes***: Bequaert, 1928:62 (new generic assignment, incorrectly synonymized *Cerceris bicornuta*); nec Brimley, 1938:448 (= *Cerceris bicornuta*); nec Scullen, 1942:188 (= *Cerceris bicornuta*); nec Strandtmann, 1945a:311 (= *Cerceris bicornuta*); van der Vecht, 1961a:67 (unrecognizable species); Scullen, 1965b:503 (in revision of North American *Cerceris*); van der Vecht, 1967 (study of type, unrecognizable species); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Krombein, 1979b:1737 (in catalog of North American Hymenoptera); Ferguson and Vardy, 1984:55 (taxonomic history, synonymized with *Cerceris arenaria*); Piek and Spanjer, 1986:182 (in list of Sphecidae with known prey).

Vespa arenosa Gmelin, 1790:2764. Substitute name for *Vespa* arenaria (Linnaeus, 1758), nec Fabricius, 1775 (now in *Vespula*).

Philanthus auritus Fabricius, 1794:459, sex not stated. Lectotype: ♀, Italy: no specific locality (ZMUC), designated by van der Vecht, 1961a:64. Synonymized with *Cerceris arenaria* by Dahlbom, 1845:XXIV. – Fabricius, 1796:137 (in Index to his Entomologia Systematica, 1794), 1798:268 (redescripiton), 1799:40 (in Index to his Supplementum, 1798), 1804:301 (redescription); Jurine, 1807:202 (in checklist of European *Philanthus*); Thunberg, 1815b:289 (diagnostic characters), 294 (redescription); de Beaumont, 1950c:318 (identity of holotype). – **As *Vespa aurita***: Turton, 1801:528 (new generic assignment, Italy). – **As *Cerceris aurita***: Germar, 1817:262 (new generic assignment, Dalmatia: Arbe and Cherso, now Croatia: Rab and Cres); Audouin, 1823a:358 (in Dictionnaire classique d'histoire naturelle); Stephens, 1829a:367 (in catalog of British insects), 1829b:34 (in checklist of British insects); Vander Linden, 1829:113 (bibliographic references, may be synonym of *Cerceris arenaria*); Vergne, 1935:117 (France: Auvergne: Billom, Pont-du-Chateau, as *aurita* Latreille); Piek and Spanjer, 1986:181 (in list of Sphecidae with known prey, as *auritus*).

Cerceris atra Stephens, 1829a:368 (in catalog of British insects). Replacement name for *Sphex xanthocephalus* J. Forster, 1771. – Stephens, 1829b:34 (in checklist of British insects).

Cerceris insularis F. Smith, 1856:444, ♀. Holotype or syntypes: ♀, Italy: Sicilia: no specific locality (BMNH). Synonymized with *Cerceris arenaria* by Pulawski, 2006:164. – Kirchner, 1867:221 (in catalog of European Hymenoptera); Schletterer, 1887:441 (as tentative synonym of *Cerceris ferreri*); Dalla Tore, 1897:460 (in catalog of world Hymenoptera, as synonym of *Cerceris ferrri*). – **As *Cerceris flavilabris insularis***: R. Bohart and Menke, 1976:581 (new status, in checklist of world Sphecidae); Pagliano, 1990:97 (in catalog of Italian Sphecidae); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna).

Cerceris striolata Schletterer, 1887:393, ♂. Lectotype: ♂, Hungary: Budapest (TMB), designated by de Beaumont, 1959b:91. Synonymized with *Cerceris arenaria* by de Beaumont, 1959b:91. – Schletterer, 1887:503 (in checklist of world *Cerceris*); Ed. André, 1889:284, 299 (in revision of Sphecidae of Europe and Algeria), 22* (bibliographic references); Dalla Torre, 1897:478 (in catalog of world Hymenoptera); Mocsáry, 1897:80 (Hungary); Schmiedeknecht, 1907:242 (in key to Hymenoptera of Central Europe), 1930:703 (in

keys to Hymenoptera of North and Central Europe); Šnoflák *in* Zavadil and Šnoflák, 1948:95 (in key to Sphecidae of Czechoslovakia); Bajári, 1956a:81 (Hungary: Budapest), 1957a:42 (in key to Hungarian Sphecidae); de Beaumont, 1957d:337 (unrecognizable species); Balthasar, 1972:403 (in Sphecid Fauna of Czechoslovakia: may be expected in the country); Haris, 2016:21 (in list of species described by A. Schletterer from Carpathian Basin).

Cerceris arenaria var. *iberica* Schletterer, 1887:415, sex not stated. Holotype or syntypes: Iberian Peninsula (NHMW). – Dalla Torre, 1897:453 (in catalog of world Hymenoptera); Giner Marí, 1941a:76 (in revision of Spanish *Cerceris*); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); K. Schmidt, 2000:48 (in revision of Western Palearctic *Cerceris*). – **As *Cerceris arenaria iberica***: R. Bohart and Menke, 1976:577 (new status, in checklist of world Sphecidae).

As *Cerceris laeta*: Stephens, 1829a:367 (in catalog of British insects) and 1829b:34 (in checklist of British insects), corrected to *Cerceris arenaria* by F. Smith, 1855:100.

ssp. *erlandssoni* R. Eck

Cerceris arenaria erlandssoni R. Eck, 1973:187, ♀, ♂. Holotype: ♀, Denmark: Island of Bornholm: Hammaren (NRS). – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); K. Schmidt, 2000:46 (in revision of Western Palearctic *Cerceris*); Dolfuss, 2021c:582 (Sweden: Nynäshamin Province: Järahotta).

ssp. *flavescens* Schletterer

Cerceris flavescens Schletterer, 1889a:891, ♀. Holotype: ♀, "Kirgisensteppe", now Kazakhstan: no specific locality (NHMW). – Dalla Torre, 1897:460 (in catalog of world Hymenoptera); Shestakov, 1918a:132 (Turkmenistan: Farab); Kazenas, 1972b:127 (Kazakhstan), 1974b:109 (feeding on flowers of *Euphorbia* spp., Euphorbiaceae, in Kazakhstan), 1978b:60, 64 (in key to Sphecidae of Kazakhstan and Central Asia); Voblenko, Gorobchishin, and Nesterov, 1996:15 (Ukraine: Polesye Region); Gorobchishin, 2006:151 (Ukraine: village Khotov near Kyiv). – **As *Cerceris arenaria flavescens***: Pulawski, 1965c:570 (new status); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Dollfuss, 1989:8 (type material in NHMW); Kazenas, 2001d:112 (in key to *Cerceris* of Kazakhstan and Central Asia); Dollfuss, 2021c:582 (Kazakhstan: several localities).

ssp. *gotlandica* R. Eck

Cerceris arenaria gotlandica R. Eck, 1973:186, ♀, ♂. Holotype: ♀, Sweden: Gotländ: Lojsta (NRS). – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); K. Schmidt, 2000:46 (in revision of Western Palearctic *Cerceris*).

ssp. *incognita* R. Eck

Cerceris arenaria incognita R. Eck, 1973:189, ♀, ♂. Holotype: ♀, Democratic Germany: Oberlausitz: Daubitz (Dresden). – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); K. Schmidt, 2000:47 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001d:112, 115 (in key to *Cerceris* of Kazakhstan and Central Asia).

ssp. *nadigi* Shestakov

Cerceris nadigi Shestakov *in* Nadig, 1933:98, ♀, ♂ (as *Nadigi*, incorrect original capitalization). Syntypes: Maroc: Ifrane (originally Nadig coll., now Zurich, and ZIN). – Giner Marí, 1941b:230 (in revision of North African *Cerceris*). – **As *Cerceris arenaria nadigi***: de Beaumont, 1951f: 352 (new status, redescription), 1953g:122 (Morocco); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); K. Schmidt, 2000:47 (in revision of Western Palearctic *Cerceris*); Dollfuss, 2018:1130 (locality records from Algeria, Morocco, and Tunisia); Ben Khedher, Yildirime, and Braham, 2020c:532 (Tunisia: summary of previous records; new locality records from Mahdia and Nabeul provinces); Dolfuss, 2021c:583 (Algeria: Alger-

Moretti, Alger-Zeralda, Sidi Ferrouche; Morocco: Mouzzer in Moyen Atlas); Malash, Edmardash, and Gadallah, 2022:8 (in catalog of Middle Eastern and North African Philanthinae).

ssp. *schulzi* de Beaumont

As *Cerceris onophora*: Schulz, 1905b:57 (Tunisia: Sfax; ♀), corrected to *Cerceris arenaria schulzi* by de Beaumont, 1951b:178.

Cerceris arenaria schulzi de Beaumont, 1951b:178. Holotype: ♀, Tunisia: Sfax (Berne). – de Beaumont, 1951f:354 (Tunisia; redescription), 1956a:186 (Libya), 1960b:233 (Libya); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); K. Schmidt, 2000:47 (in revision of Western Palearctic *Cerceris*); Ben Khedher, Yildirime, and Braham, 2020c:533 (Tunisia: previously recorded from Kasserine, Sfax, and Sousse provinces); Malash, Edmardash, and Gadallah, 2022:8 (in catalog of Middle Eastern and North African Philanthinae).

ssp. *stecki* Schletterer

Cerceris stecki Schletterer, 1889:887, ♀. Holotype: ♀, Russia: Sarepta, now Krasnoarmeysk near Volgograd (Bern). – Dalla Torre, 1897:477 (in catalog of world Hymenoptera); Kohl, 1913b:15 (Russia: Voronezh Oblast': Valuyki at 50°14'N 38°08'E); Shestakov, 1927a:17 (Russia: Orenburg Oblast'); Vorontsovskiy, 1928:44 (Russia: vicinity of Orenburg). – **As *Cerceris arenaria stecki***: Pulawski, 1965c:569 (new status); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Dathe, 1980:208 (Russia: northern Caucasus: Teberda); K. Schmidt, 2000:48 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001d:112, 115 (in key to *Cerceris* of Kazakhstan and Central Asia); Mokrousov and Selivanova, 2005:752 (Russia: Voronezh Oblast'); Dollfuss, 2021c:583 (locality records from Kazakhstan, Kyrgyzstan, Mongolia, Russia, and Ukraine).

ssp. *yanoi* Tsuneki

Cerceris quinquecincta Ashmead, 1904b:66, ♂, junior secondary homonym of *Cerceris quinquecincta* (Fabricius, 1787) = *Cerceris contigua* (Villers, 1789). Holotype: ♂, Japan: no specific locality (USNM). Synonymized with *Cerceris arenaria* by Tsuneki, 1961c:26. – Sato, 1927:97, 98 (in key to *Cerceris* of Japan); Tsuneki, 1937:187 (nesting habits), 1962e:70 (*Cerceris quinquecincta* Ashmead in Iconographia Insectorum Japonicorum, Ed. II is actually *Cerceris arenaria*).

Cerceris arenaria yanoi Tsuneki, 1971d:18. Substitute name for *Cerceris quinquecincta* Ashmead, 1904. – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Sk. Yamane and Tano, 1995:11 (Japan: Ryukyu Islands); Suda, 2004:47 (Japan: Yamanashi Prefecture); Dollfuss, 2021c:583 (Japan: Kamakuna, Shidaihama and Shidaihan in Niigata Prefecture).

As *Cerceris arenaria* (= *quinquecincta* Ashmead, nec Fabricius): Tsuneki, 1961c:11, 19, 25, 26 (in key to *Cerceris* of northeastern Asia), 1965d:3, 4 (prey record summary: Curculionidae, ? Chrysomelidae), 1968f:3 (Japan: Yokohama).

62. *argentifrons* Guérin-Méneville

Cerceris argentifrons Guérin-Méneville, 1844:445, [♀]. Lectotype: ♀, Madagascar: no specific locality (MSNG), designated by Guiglia, 1948b:179 (Article 74.6). – F. Smith, 1856:450 (in catalog of Hymenoptera in British Museum); Schletterer, 1887:486 (in checklist of world *Cerceris*); de Saussure, 1892:555 (original description copied); Dalla Torre, 1897:453 (in catalog of world Hymenoptera); Guiglia, 1948b:179 (lectotype in Genova), 187 (redescription); Leclercq, 1961d:102 (Madagascar), 1962b:211 (Madagascar: Bekily); Empey, 1969a:301 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Empey, 1983:164 (bibliograpahic reference, type material not examined); Pulawski, 2003b:799 (in checklist of Malagasy Sphecidae); Madl, 2014a:998 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records).

Cerceris albotegulata Arnold, 1945:40, ♀, ♂. Lectotype: ♀, Madagascar: Bekily (MNHN), designated by Empey, 1983:164. Synonymized with *Cerceris argentifrons* by Guiglia, 1948b:187, by Leclercq, 1961d:102, and

conditionally by Empey, 1969a:301. – R. Bohart and Menke, 1976:577 (as questionable synonym of *Cerceris argentifrons*); Empey, 1983:164 (bibliograpahic reference, type material examined); Hancock, Chahwanda, and Mhlanga, 1995:37 (syntypes in Bulawayo Museum).

63. *argentina* Brèthes

Cerceris argentina Brèthes, 1910a:263, ♀. Holotype: ♀, Argentina: Pampa Central: no specific locality (originally MACN, now lost?). – Schrottky, 1913a:229 (Argentina: Pampa); Fritz, 1968b:165 (study of holotype); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Genise, 1990:26 (depository of type material unknown); Amarante, 2002:57 (in catalog of Neotropical Crabronidae).

64. *argentosa* Shestakov

Cerceris argentosa Shestakov, 1912:509, ♂. Holotype or syntypes: ♂, Uzbekistan: Tashkent (ZIN). – Shestakov, 1918a:124 (Uzbekistan: Tashkent); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Kazenas, 1978b:68 (in key to Sphecidae of Kazakhstan and Central Asia); Islamov and Kazenas, 1983:44 (Uzbekistan); Kazenas, 1984a:189 (in revision of *Cerceris* of Kazakhstan and Central Asia); Islamov, 1986:521 (Uzbekistan: Tashkent Oblast'); Kazenas, 1992c:29 (Turkmenistan: Repetek Nature Reserve); Esenbekova and Kazenas, 2000:72 (southeastern Kazakhstan: 35-60 km east of Chilik, near landing place Dubun' on Ili River, 30 km south of Koktal); Kazenas, 2001b:54 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:119 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:140 (geographic distribution, collecting localities in Kazakhstan), 2008a:106 (southeastern Kazakhstan: 65 km west of Bakanas, 35-60 km east of Chilik, near Dubun', 30 km south of Koktal), 2013b:499 (southeastern Kazakhstan: 35-60 km east of Chilik, near landing place Dubun' on Ili River); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

65. *ariadne* R. Turner

Cerceris ariadne R. Turner, 1912e:815, ♀. Holotype or syntypes: ♀, Tibet: Gyangtse (BMNH). – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Hua, 2006:277 (in list of Chinese insects, geographic distribution).

66. *armata* de Beaumont

Cerceris armata de Beaumont *in* de Beaumont an Bytinski-Salz, 1959:128, ♀, ♂. Holotype: ♀, Israel: Herzlia Dunes (originally H. Bytinski-Salz coll., now Tel Aviv Univ.). – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); K. Schmidt, 2000:98 (in revision of western Palearctic *Cerceris*); Dollfuss, 2018:1131 (Syria: Raqqa: Rasafah); Malash, Edmardash, and Gadallah, 2022:8 (in catalog of Middle Eastern and North African Philanthinae).

67. *armaticeps* Cameron

Cerceris armaticeps Cameron, 1910:149, ♀. Lectotype: ♀, South Africa: Limpopo Province: Warmberg farm near Chuniespoort (TMP), designated by Brauns, 1917:239 (Article 74.6) and Empey, 1983:164 (Article 74.6). – Brauns, 1926:325 (in revision of South African *Cerceris*); Arnold, 1931:139, 146 (in key to Afrotropical *Cerceris*), 1942:15 (as southern subspecies of *Cerceris rufiscutis*); Empey, 1969a:301 (in checklist of Afrotropical *Cerceris*), 1974:101 (holotype in TMP), 102 (description of ♂); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Empey, 1983:164 (bibliograpahic reference, type material examined); Gess and Gess, 1994:100 (visiting flowers of *Aspalathus chortophila* Eckl. and Zeyh., Fabaceae).

As *Cerceris arnoldi*: Arnold, 1931:151 (description of ♂), corrected to *Cerceris armaticeps* by Arnold, 1942:14.

ssp. *caffrariae* Empey

Cerceris armaticeps caffrariae Empey, 1974:102, ♀, ♂. Holotype: ♀, South Africa: Eastern Cape Province: Port Elizabeth (TMP). – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae); Gess, 1980a:86 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown), 1981:21

(South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown; nesting in friable soils); Empey, 1983:165 (bibliograpahic reference, type material examined); Callan, 1987:102 (prey: *Ablabera* sp., Scarabaeidae Melolonthinae); S. Gess and F. Gess, 2003:130 (South Africa: visiting flowers of *Foeniculum vulgare* Mill, Apiaceae, and *Aspalatus chortophila* Eckl. and Zeyh., Fabaceae).

68. *armigera* R. Turner

Cerceris armigera R. Turner, 1917a:104, ♀. Holotype or syntypes: ♀, Australia: Queensland: Darra near Brisbane (BMNH). – Tsuneki, 1968e:5 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Evans 1982a:360 (in revision of Eastern Australian *Cerceris*); Evans and Hook, 1982b:160 (communal nesting); Cardale, 1985:297 (in catalog of Australian Sphecidae); Evans and Hook, 1986a:293 (nesting habits), 1986b:1302 (prey: Chrysomelidae and Curculionidae).

Cerceris armigera subsp. *rufofusca* R. Turner, 1936:538, ♀. Holotype or syntypes: ♀, Australia: Western Australia: Mundaring Weir (BMNH). Synonymized with *Cerceris armigera* by Evans, 1982a:360. – **As *Cerceris armigera rufofusca***: R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae).

69. *arnoldi* Brauns

Cerceris arnoldi Brauns, 1926:299, ♀ (as *Arnoldi*, incorrect original capitalization). Holotype: ♀, Zimbabwe: Sawmills (SAM). – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae); nec Arnold, 1931:139, 141, 145, and 151 (= *Cerceris armaticeps*); Arnold, 1942:14 (description of ♂); Empey, 1969a:301 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Empey, 1983:165 (bibliograpahic reference, type material examined).

70. *arrogans* Arnold

Cerceris arrogans Arnold, 1931:164, ♀, ♂ (♂ = *Cerceris languida* Cameron). Lectotype: ♀, Namibia: Okahandja (BMNH), designated by Empey, 1983:165. – Arnold, 1931:139, 147 (in key to Afrotropical *Cerceris*); Empey, 1969a:302 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Empey, 1983:165 (bibliograpahic reference, type material examined).

71. *astarte* Banks

Cerceris astarte Banks, 1913b:424, ♀. Lectotype: ♀, USA: Virginia: Falls Church (MCZ), designated by G. Ferguson, 1983b:226. – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1005 (in catalog of North American Hymenoptera); Scullen, 1965b:456 (in revision of North American *Cerceris*); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Krombein, 1979b:1729 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:470 (in annotated list of North American and Caribbean *Cerceris*); Ahlstrom, 1995:113 (in checklist of insects of North Carolina); Buck, 2004:28 (Canada: in checklist of Crabronidae of Ontario), 31 (distribution within Ontario), 70 (first record from Ontario: list of localities); Buck, Paiero, and Marshall, 2006:46, 48 (in key to eastern Canadian *Cerceris*); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Ontrio: no specific locality).

72. *astricta* Reyes

Cerceris astricta Reyes, 1988:18, ♀ (as *astieta*, as *astricta* under etymology on p. 19). Holotype: ♀, Philippines: Mindanao: Zamboanga del Sur: Lamesahan (Bishop Mus.).

73. *aterrima* Arnold

Cerceris aterrima Arnold, 1942:18, ♂. Holotype: ♂, Uganda: Behungi (SAM). – Empey, 1969a:303 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae), Empey, 1983:165 (bibliograpahic reference, type material examined).

Cerceris flavobilineolata Giordani Soika, 1942:199, ♀. Holotype: ♀, northwestern Tanzania: no specific locality (A. Giordani Soika coll.). Synonymized with *Cerceris aterrima* by Empey, 1969a:302.

Cerceris rama Leclercq, 1955i:411, ♂. Holotype: ♂, Burundi: Bururi (MRAC). Synonymized with *Cerceris aterrima* by Empey, 1969a:302.

Cerceris styrax Leclercq, 1955i:415, ♀. Holotype: ♀, Burundi: Bururi (MRAC). Synonymized with *Cerceris aterrima* by Empey, 1969a:302.

74. *atramontensis* Banks

Cerceris atramontensis Banks, 1913b:425, ♀. Holotype: ♀, USA: North Carolina: Valley of Black Mountains (AMNH). – Brimley, 1938:447 (North Carolina: Valley of Black Mountain, Elizabeth City); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1005 (in catalog of North American Hymenoptera); Krombein, 1956a:43 (prey: curculionids of genus *Conotrachelus* that breeds chiefly in acorns), 1958f:197 (in supplement to catalog of North American Hymenoptera: prey), 1963f:277 (Maryland: Plummers Island near Washington, D.C.); Scullen, 1965b:458 (in revision of North American *Cerceris*); Tsuneki, 1965d:3 (prey record summary: Curculionidae); Scullen and Wold, 1970:210 (distribution and summary of prey records); Evans, 1971:512 (nesting habits), 1975a:264 (unsuccessful colonizer of a new habitat); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Krombein, 1979b:1729 (in catalog of North American Hymenoptera, nesting sites, list of prey); Finnamore, 1982:248 (in Sphecid Fauna of southern Quebec); G. Ferguson, 1983b:226 (study of holotype), 1984c:471 (in annotated list of North American and Caribbean *Cerceris*); Radović, 1985:66 (sting apparatus analyzed); Ahlstrom, 1995:113 (in checklist of insects of North Carolina); Sugar *et al*., 1998:16 (Canada: southern Ontario); Buck, 2004:28 (Canada: in checklist of Sphecidae of Ontario); Buck, Paiero, and Marshall, 2006:45, 47 (in key to eastern Canadian *Cerceris*); Giles and Ascher, 2006:231 (New York: Black Rock Forest Preserve); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Ontario, Quebec, first records from Alberta, Manitoba, New Brunswick, Northwest Territories, Nova Scotia, Prince Edward Island, and Saskatchewan: no specific locality).

Cerceris arbuscula Mickel, 1916a:410, ♀. Holotype: ♀, USA: Nebraska: Omaha (UNL). Synonymized with *Cerceris atramontensis* by Scullen *in* Muesebeck, Krombein, and Townes, 1951:1005. – Mickel, 1918b:450 (in catalog of Nebraskan Sphecidae); Muma, 1952:17 (holotype in UNL).

75. *aurantiaca* F. Smith

Cerceris aurantiaca F. Smith, 1873c:414, ♀. Holotype or syntypes: ♀, South Australia: no specific locality (BMNH). – Schletterer, 1887:486 (in checklist of world *Cerceris*); Froggatt, 1892:221 (in catalog of Australian Hymenoptera); Dalla Torre, 1897:453 (in catalog of world Hymenoptera); R. Turner, 1910b:420 (in key to *Cerceris* of Australia), 1912d:665 (in key to *Cerceris* of Australia), 666 (in revision of *Cerceris* of Australia); Tsuneki, 1968e:3 (in key to *Cerceris* of Australia), 7 (Australia; redescription); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Evans, 1982a:334 (in revision of Eastern Australian *Cerceris*); Cardale, 1985:297 (in catalog of Australian Sphecidae).

76. *australis* de Saussure

Cerceris australis de Saussure, 1854:6, ♀, ♂. Syntypes: Australia: Van Diemen's Land, now Tasmania: no specific locality (MHNG). – de Saussure, 1867:93 (Australia: Sydney; redescription); Schletterer, 1887:486 (in checklist of world *Cerceris*); Froggatt, 1892:222 (in catalog of Australian Hymenoptera); Dalla Torre, 1897:453 (in catalog of world Hymenoptera); R. Turner, 1908:473 (Australia: Melbourne to Mackay), 1910b:422 (in key to *Cerceris* of Australia), 1912d:665 (in key to *Cerceris* of Australia), 673 (in revision of *Cerceris* of Australia); Tsuneki, 1968e:5 (in key to *Cerceris* of Australia), 23 (Australia; redescription); Evans and Matthews, 1970:153 (prey: Scarabaeidae Melolonthinae); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Evans, 1982a:348 (in revision of Eastern Australian *Cerceris*); Evans and Hook, 1982a:557 (communal nesting), 1982b:160 (communal nesting); Cardale, 1985:297 (in catalog of Australian Sphecidae); Evans and Hook, 1986a:283 (nesting habits), 1986b:1299 (prey: Scarabaeidae Melolonthinae); Evans, 1988:9 (nesting habits); McCorquodale and Thomson, 1988:9 (nest shared with *Cerceris antipodes*); Dollfuss, 1989:8 (type material in NHMW); Melo, 2000:100 (female associations for use of natal nest, detailed review).

Cerceris nigrocincta F. Smith, 1856:450, ♀ (as *nigro-cincta*, incorrect original hyphenation), junior primary homonym of *Cerceris nigrocincta* Dufour, 1853. Holotype or syntypes: ♀, Australia: South Australia: Adelaide (BMNH). Synonymized with *Cerceris australis* by Schletterer, 1887:486. – A. Costa, 1864a:61 (one specimen from Adelaide, Australia, in Napoli Museum).

As *Cerceris sculleni*: Tsuneki, 1968e:15 (♂ only). Synonymized with *Cerceris australis* by Evans, 1982a:348.

Cerceris sp. no. 2: Tsuneki, 1968:31 (Australia: Queensland: Mossman). Synonymized with *Cerceris australis* by Evans, 1982a:348.

77. *ayti* Genaro

Cerceris ayti Genaro, 2017:5, ♂. Holotype: ♂, Haiti: Port-au-Prince (MCZ). – Genaro, 2017:10 (in list of Antillean *Cerceris*).

78. *azteca* de Saussure

Cerceris azteca de Saussure, 1867:97, ♀. Lectotype: ♀, Mexico: Nayarit: Cuantla (NHMW), designated by G. Ferguson, 1984b:432. – Schletterer, 1887:486 (in checklist of world *Cerceris*, as *azteka*); Cameron, 1890a:127 (bibliographic reference, diagnostic characters); Dalla Torre, 1897:453 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Kohl, 1916:107 (specimens in coll. Radoszkowski); Scullen, 1965b:459 (in revision of North American *Cerceris*); Krombein, 1967:414 (synonymy with *Cerceris seminigra* recorded); Scullen, 1972:70 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Fritz and Mariluis, 1976:96 (in key to *spathulifera* species group), 108 (in revision of *Cerceris spathulifera* species group); Krombein, 1979b:1730 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:471 (in annotated list of North American and Caribbean *Cerceris*); Dollfuss, 1989:8 (lectotype in NHMW); Amarante, 2002:57 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Vanoye-Eligio, Meléndez-Ramírez, Ayala, Navarro, and Delfín-González, 2014:638 (Mexico: Yucatán Peninsula); Vanoye-Eligio, Meléndez-Ramírez, Ayala, Navarro-Alberto, and Delfin-González, 2015:993 (Mexico: in list of Sphecidae *sensu lato* of Yucatán).

Cerceris seminigra Banks, 1947:33, ♂, junior primary homonym of *Cerceris seminigra* Taschenberg, 1875. Holotype: ♂, USA: Arizona: Patagonia (MCZ). Synonymized with *Cerceris azteca* by Scullen, 1961:45. – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010 (in catalog of North American Hymenoptera); G. Ferguson, 1983b:232 (study of holotype).

79. *bakeri* Cameron

Cerceris bakeri Cameron, 1904h:67, ♀ (as *Bakeri*, incorrect original capitalization). Lectotype: ♀, Nicaragua: Chinandega (BMNH), designated by G. Ferguson, 1984b:432. – G. Ferguson, 1984c:471 (full species, in annotated list of North American and Caribbean *Cerceris*); Maes, 1989:941 (in catalog of Nicaraguan Sphecidae, prey: Curculionidae); Amarante, 2002:57 (in catalog of Neotropical Crabronidae). – **As *Cerceris kennicotti bakeri***: Scullen, 1972:28 (new status, in revision of Mexican and Central American *Cerceris*, new status); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae).

ssp. *parkeri* Scullen

Cerceris parkeri Scullen, 1972:35, ♀, ♂. Holotype: ♀, Mexico: Oaxaca: 48 mi. northwest of Tehuantepec (USNM). – R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Krombein, 1979b:1736 (in catalog of North American Hymenoptera); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Ruíz Cancino, Coronado Blanco, and Horta Vega, 2005:170 (Mexico: recorded from Tamaulipas State); Horta Vega, Pinson Domínguez, Barrientos Lozano, and Correa Sandoval, 2007: 45 (Mexico: Tamaulipas); Horta-Vega, Vanoye-Eligio, García-Gutiérrez, Coronado-Blanco, and Barrientos-Lozano, 2013:382 (Mexico: Tamaulipas: Ciudad Victoria: Cañón del Novillo). – **As *Cerceris bakeri parkeri***: G. Ferguson, 1984c:471 (new status, in annotated list of North

American and Caribbean *Cerceris*, diagnostic characters); Amarante, 2002:57 (in catalog of Neotropical Crabronidae).

80. *balteata* Evans

Cerceris balteata Evans, 1982a:314, ♀, ♂. Holotype: ♀, Australia: Australian Capital Territory: Bendora (ANIC). – Cardale, 1985:297 (in catalog of Australian Sphecidae).

81. *baluchistanensis* Cameron

Cerceris baluchistanensis Cameron, 1907d:85, ♂. Lectotype: ♂, Pakistan: Balochistan: Quetta (BMNH)., designated by Empey, 1984:75. – R. Turner, 1912e:516 (in revision of *Cerceris* of Indian subcontinent, description of ♀); Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae).

82. *banahawensis* Reyes

Cerceris banahawensis Reyes, 1986:102, ♀, ♂. Holotype: ♀, Philippines: Mount Banahaw (USNM). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:46, 50 (in key to *Cerceris* of Philippines, as *banahanensis* on p. 46), 67 (bibliographic reference, as *banawensis*).

83. *bannisteri* Empey

Cerceris bannisteri Empey, 1971b:251, ♀. Holotype: ♀, South Africa: Gauteng: Florida in Strubens Valley at 26°08'S 27°54'E (originally H. Empey coll., now TMP). – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Empey, 1983:165 (in bibliograpahic reference, type material examined).

84. *barchanica* Kazenas

Cerceris barchanica Kazenas, 1984a:47, ♀, ♂. Holotype: ♀, Turkmenistan: Uch-Adzhi (ZIN). – Kazenas, 2001b:54 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:106, 109 (in key to *Cerceris* of Kazakhstan and Central Asia); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

85. *barnardi* Brauns

Cerceris barnardi Brauns, 1926:317, ♀ (as *Barnardi*, incorrect original capitalization). Holotype: ♀, Namibia: Narebis [= Naribis in Otjozondjupa Region] (TMP). – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:142 (in key to Afrotropical *Cerceris*); Empey, 1969a:302 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Empey, 1983:166 (bibliographic reference).

86. *basalis* F. Smith

Cerceris basalis F. Smith, 1856:458, ♀. Holotype or syntypes: ♀, Brazil: no specific locality (BMNH). – Schletterer, 1887:486 (in checklist of world *Cerceris*); Dalla Torre, 1897:453 (in catalog of world Hymenoptera); W. Fox, 1899:200 (Brazil: Rio Grande do Sul); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Amarante, 2002:57 (in catalog of Neotropical Crabronidae).

87. *basimacula* Cameron

Cerceris basimacula Cameron, 1907d:87, ♂. Holotype: ♂, India: Sikkim: no specific locality (BMNH). – R. Turner, 1912e:497 (original description copied, may be male of *Cerceris pentadonta*); Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Empey, 1984:76 (bibliographic reference, type examined).

88. *beharensis* Leclercq

Cerceris beharensis Leclercq, 1967b:63, ♂. Holotype: ♂, Madagascar: Behara (MNHN). – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Empey, 1983:166 (bibliographic reference, type examined);

Pulawski, 2003b:799 (in checklist of Malagasy Sphecidae); Madl, 2014a:999 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records).

89. *bella* Brèthes

Cerceris bella Brèthes, 1910a:264, ♂. Lectotype: ♂, Argentina: Córdoba: Córdoba (MACN), designated by Fritz, 1968b:166 (Article 74.6). – Schrottky, 1913a:229 (Argentina: Córdoba); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Genise, 1990:26 (depository of type material unknown); Amarante, 2002:57 (in catalog of Neotropical Crabronidae).

90. *belli* R.Turner

Cerceris belli R. Turner, 1912e:808, ♀. Holotype or syntypes: ♀, India: Karnataka: Belgaum (BMNH). – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae).

91. *bellona* Mercet

Cerceris bellona Mercet, 1914:448 and 449, ♀, ♂. Syntypes: Spain: Madrid Province: Aranajauez, Montarco; Alicante and Orihuela Provinces: no specific locality (MNCN). – Mercet, 1914:445 (recorded from Spain); Giner Marí, 1941a:58 (in revision of Spanish *Cerceris*), 1943a:102 (in Sphecid Fauna of Spain); de Andrade, 1949:11 (Portugal: Lisboa); Ceballos, 1956:366 (in catalog of Hymenoptera of Spain); de Beaumont, 1957d:334 (diagnostic characters); Diniz, 1959:28 (Portugal: Algés, Cascais, Estoril, Lisboa, Massorra); de Beaumont, 1962b:21 (Spain: Sevilla); Ceballos, 1964:88 (in supplement to catalog of Spanish Sphecidae); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:323 (in Sphecid Fauna of Western Europe); K. Schmidt, 2000:48 (in revision of Western Palearctic *Cerceris*); Martin Albaladeo and Izquierdo Moya, 2006:117 (type in Museo Nacional de Ciencias Naturales); Gayubo, González, Tormos, and Asís, 2008:140 (Spain: Salamanca: Parque Natural de Las Batuecas – Sierra de Francia); Bitsch, 2010:118 (in supplement to vol. II of Faune de France, 1997: recent records from France and Spain reported); Cross, Baldock, and Wood, 2021:63 (in catalog of Sphecidae *sensu lato* of Portugal); Dollfuss, 2021c:583 (Portugal: Serra Estrella at 40°24'N 07°35'E); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:233 (in revision of Sphecidae *sensu lato* of Europe).

92. *berenice* de Beaumont

Cerceris berenice de Beaumont, 1966:206, ♀, ♂. Holotype: ♀, southeastern Egypt: Gebel Elba (Lausanne). – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Dollfuss, 1989:8 (paratype in NHMW); K. Schmidt, 2000:144 (in revision of Western Palearctic *Cerceris*); Roche, 2007a:130 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Dollfuss, 2018:1131 (Egypt: Gebel Elba), 2020a:95 (locality records from Mali), 2021c:583 (Egypt: Gebel Elba); Malash, Edmardash, and Gadallah, 2022:8 (in catalog of Middle Eastern and North African Philanthinae).

93. *betpakdalensis* Kazenas

Cerceris betpakdalensis Kazenas, 1984a:173, ♀, ♂. Holotype: ♀, southern Kazakhstan: 70 km northwest of village Furmanovka (ZIN). – Kazenas, 2001b:54 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:113, 117 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:140 (geographic distribution, collecting localities in Kazakhstan).

94. *bicarinata* Arnold

Cerceris bicarinata Arnold, 1935a:500, ♂. Holotype: ♂, Botswana: Kaotwe (TMP). – Empey, 1969a:302 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Empey, 1983:166 (bibliographic reference, type examined).

95. *bicava* Shestakov

Cerceris bicava Shestakov, 1917a:316, ♂. Holotype or syntypes: ♂, Eritrea: Ihinda, now Ghinda (ZIN). – Empey, 1969a:302 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Empey, 1983:166 (bibliographic reference, type not examined); Madl, 2023:255 (in catalog of Crabronidae of Eritrea)**.**

96. *bicincta* Klug

Cerceris bicincta Klug *in* Waltl, 1835:100, ♂. Holotype: ♂, Spain: Andalusia: no specific locality (ZMHU). – Klug *in* Waltl, 1835:87 (in list of Hymenoptera of Andalusia); Kirchner, 1867:221 (in catalog of European Hymenoptera); Schletterer, 1887:375 (as synonym of *Cerceris rybyensis*); de Beaumont, 1950c:321 (study of holotype), 1951f:350 (Algeria, Morocco, Tunisia; white coloration little developed, as in specimens from southern France and Iberian Peninsula), 1952a:53 (in revision of *Cerceris* of France), 1953g:122 (Morocco), 1954e:87 (Italy); Bajári, 1956a:81 (in catalog of Hungarian *Cerceris*, with list of localities), 1957a:31, 39 (in key to Hungarian Sphecidae); Balthasar, 1958:338 (first record from Slovakia: Štúrovo); de Beaumont, 1958d:272 (Greece); Scobiola Palade, 1960a:169 (first record from Romania: Craiova Region: Branişte); Balthasar and Hrubant, 1961:15 (Slovakia: Mužla); de Beaumont, 1961b:273 (Afghanistan; local race); Tsuneki, 1961c:10, 16 (in key to *Cerceris* of northeastern Asia), 41 (Korea), 49 (China: Peking, now Beijing), 57 (China: Heilungkiang: Harbin), 65 (China: Nei Mongol: Apaka at about 45°E 116°E); de Beaumont, 1962b:21 (Spain: Almería); Ceballos, 1964:88 (in supplement to catalog of Spanish Sphecidae); de Beaumont, 1965a:20 (Greece); Tsuneki, 1965d:3 (prey record summary: Chrysomelidae), 35 (nesting habits); Diniz, 1966:7 (Portugal: Serra de Estrela); de Beaumont, 1967a:285 (Turkey); Scobiola-Palade, 1967b:40 (Romania); Tsuneki, 1967e:2 (China: Heilungkiang); Scobiola-Palade, 1968c:383 (Romania: Budeşti); Tsuneki, 1968f:5 (China: Szechuan: Mouchow); Suárez, 1969:28 (Spain: Almería Province); Scobiola-Palade, 1971:204 (in review of *Cerceris* of Romania); Tsuneki, 1971l:430 (Mongolia), 1971m:17 (China: Peking, now Beijing; Nei Mongol: Apaka); Balthasar, 1972:409 (in Sphecid Fauna of Czechoslovakia); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Guichard, 1978:270 (Greece); Kazenas, 1978b:56, 58 (in key to Sphecidae of Kazakhstan and Central Asia), 1979d:84, 87 (in key to *Cerceris* of Russian Far East); Gayubo, 1982b:53 (Spain: Salamanca Province), 1982e:109 (Spain: Provincia Cádiz); Tsuneki, 1982b:18 (known from Korea); Dollfuss, 1983a:78 (Austria: endangered in Burgenland), 79 (Austria: endangered in Salzburg area), 1983b:24 (in catalog of Sphecidae of Austria); Gayubo, 1983e:237 (Spain: Salamanca Province); Islamov and Kazenas, 1983:44 (Uzbekistan); Kazenas, 1984a:69 (in revision of *Cerceris* of Kazakhstan and Central Asia); Chevin and Chevin, 1985:39 (France: Aude); Gayubo, 1985c:172 (Spain: Valladolid: Quintanilla de Abajo); Józan, 1985b:62 (Hungary south of Lake Balaton), 72 (map of distribution in Hungary), 82 (floral records), 85 (ecological and zoogeographic characteristics); Paik, 1985:203 (in list of Sphecidae of Korea); Gayubo, 1986a:66 (Spain: Ciudad Real Province), 1986d:122 (Spain: Zamora Province); Gayubo and Sanza, 1986:85 (Spain: Burgos, Segovia); Gayubo and Tormos, 1986a:19 (Spain: Castellón de la Plana); Islamov, 1986:520 (Uzbekistan: Tashkent Oblast'); Pagliano, 1987:162, 165 (in key to *Cerceris* of Italy), 1988:153 (in revision of Italian Philanthinae); Pádr *in* Šedivy, 1989a:166 (in checklist of Czechoslovakian Sphecidae); Gayubo, Asís, and Tormos, 1990b:80 (Spain: Cáceres and Zamora Provinces); Nemkov, 1990c:84 (Russia: Maritime Province); Pagliano, 1990:96 (in catalog of Italian Sphecidae); Day, 1991:xiii (summary of European Endangered Hymenoptera Lists); Dollfuss, 1991:220 (in key to Sphecidae of North and Central Europe); Asís, Gayubo, and Tormos, 1991d:6 (nest and prey: Chrysomelidae), 8 (description of larva); Gayubo, Borsato, and Osella, 1991:420 (Italy: Lombardia: Mantova), 1992:91 (Greece); Tormos, Asís, and Gayubo, 1994:190, 225 (Spain: Albacete Province); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:472, 477 (in key to Sphecidae of Russian Far East); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Kuhlmann, 1996:219 (Portugal: Serra de Estrela); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:323

(in Sphecid Fauna of Western Europe); Nazarova and Shomirsaidov, 1997:24 (Tajikistan: fruit tree orchards in Vakhsh River valley); Dollfuss, Gusenleitner, and Bregant, 1998:525 (Austria: Burgenland: Winden am See); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Shkuratov, 1998a:97 (Russia: Rostov Oblast'); Pagliano and Scaramozzino, 1999:159 (Italy: Piemonte: Borgomale); Esenbekova and Kazenas, 2000:73 (southeastern Kazakhstan: Borandysu, 3 km northeast of Borandysu, 10 km northwest and 15 km east of Chundzha); K. Schmidt, 2000:85 (in revision of Western Palearctic *Cerceris*); Vicidomini, 2000b:22 (Italy: previously recorded from Campania); Józan, 2001:281 (Hungary: Somogy County); Kazenas, 2001b:54 (in checklist of Sphecidae of Kazakhstan and Central Asia), 250 (reported biological observations of Tsuneki, 1965), 2001d:110, 111 (in key to *Cerceris* of Kazakhstan and Central Asia); Kazenas and Esenbekova, 2001:136 (Kazakhstan: Almatinskiy Nature Reserve); Kazenas, 2002a:140 (geographic distribution, collecting localities in Kazakhstan); Drewes, 2003:134 (Greece: Atttiki: Nea Makre); Kazenas, 2004b:111 (Kazakhstan: western Tien Shan), 2004d:36 (Kazakhstan: shores of Ural River and Ak-Bas in Mangyshlak Peninsula); Shkuratov, 2004a:73 (Russia: Rostov Oblast'), 2004b:165 (Russia: Rostov Oblast': Gosudarstvennyi Muzey-Zapovednik M.A. Sholokhova); Jacobs, 2005a:441 (Bulgaria: Banya near Hissarya); Nazarova, 2005:94 (alfalfa fields in southwestern Tajikistan); Pagliano and Negrisolo, 2005:330 (in Sphecid Fauna of Italy); Straka, 2005a:393 (extinct in Czech Republic); Yildirim and Ljubomirov, 2005:1802 (Turkey: Erzurum: Dulçu, University Campus, Olur; Kars: Digor); Gorobchishin, 2006:146 (Ukraine: Kyiv Oblast': village Murzintsi); Hua, 2006:277 (in list of Chinese insects, geographic distribution); Kazenas, 2007a:93 (Kazakhstan: Akmala Oblast': Kurgandzhin Nature Reserve and vicinity); Vepřek and Straka, 2007:209 (in catalog of Sphecidae of Czech Republic and Slovakia, known from Slovakia only), 234 (Schmidt's 2000 record from Czech Republic is not supported by evidence, not occurring there); Danilov, 2008:351 (Russia: Altayskiy Kray: Barnaul area); Gayubo, González, Tormos, and Asís, 2008:140 (Spain: Salamanca: Parque Natural de Las Batuecas – Sierra de Francia); Kazenas, 2008c:255 (Kazakhstan: village Koktum south of Lake Alakol'); Ljubomirov and Yildirim, 2008:133 (in catalog of Crabronidae of Turkey); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); González, Gayubo, Asís, and Tormos, 2009:625 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park); Nemkov, 2009b:146 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia); Rudoiskatel', 2010:148 (Russia: southern Ural Mountains); Baghirov, 2011b:154 (Russia: recorded from Altayskiy Kray by Kazenas, Mityaev, Matesova, Kulenova, and Zhdanko, 1979); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Kazenas, 2012b:170 (Kazakhstan: Korgalzhin State Nature Reserve); Nemkov, 2012c:447 (in catalog of Crabronidae of Russian Far East); Prisniy, 2012:52 (Russia: Belgorod Oblast'); Standfuss and Standfuss, 2012:427 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Yildirim, 2012:78 (Turkey: Erzurum: Oltu: Sarısaz); Kazenas, 2013b:499 (southeastern Kazakhstan: Borandysu 30 km east of Chilik, 15 km east of Chundzha, 10 km northwest of Chundzha on Sharyn River, Sortogay on Sharyn River); X. Li, L. Ma, and Q. Li, 2013:588 (China: Nei Mongol: Helan Mountains); Dunford, Turbyville, and Leavengood, 2014:9 (listed as medically important in Afghanistan); Kazenas, 2014a:138 (Kazakhstan: Karatau Mountain Range); J.-K. Kim, 2014:447 (in catalog of Sphecidae *sensu lato* of Korean Peninsula); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:139 (in checklist of Hymenoptera of Turkey); P. Rosa and Pagliano, 2015:98 (Italy: Lombardia and Piemonte: Parco del Ticino); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:21 (Turkey: Erzurum, Kars, and Tunceli provinces, as *bicincta bicincta*); Danilov and Mokrousov, 2017b:253 (in catalog of Philanthinae of Russia); Dollfuss, 2018:1131 (locality records from Bulgaria, China, Croatia, Greece, Jordan, Kazakhstan, Kyrgyzstan, Morocco, Slovakia, Spain, Syria, Tajikistan, Tunisia, Turkey, Turkmenistan, and Uzbekistan); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:8 (Azerbaijan: Nakhichevan Autonomous Republic); Akulov, Proshchalykin, and Mokrousov, 2020:46 (Russia: central Krasnoyarsk Kray); Ben Khedher, Yildirime, and Braham, 2020c:534

(Tunisia: previously recorded from Le Kef and Zaghouan provinces); Cross, Baldock, and Wood, 2021:64 (in catalog of Sphecidae *sensu lato* of Portugal); Danilov, Odintseva, and Odintsev, 2021:21 (Russia: previously recorded from Omsk Oblast'); Dollfuss, 2021a:937 (locality records from Bulgaria, Kazakhstan, Kyrgyzstan, Serbia, Tajikistan, and Turkey), 2021c:583 (locality records from Bulgaria, China, Georgia, Greece, Iran, Israel, Kazakhstan, Mongolia, Morocco, Slovakia, Syria, Tajikistan,Turkestan, Turkey, and Ubekistan); Kaplan and Yildirim, 2021:93 (in catalog of Crabronidae of Turkey); Cross, 2022:136 (Spain: Murcia: Bolnuevo, prey: chrysomelid *Cryptocephalus infirmior* Kraatz); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:234 (in revision of Sphecidae *sensu lato* of Europe); Malash, Edmardash, and Gadallah, 2022:8 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1689 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

Cerceris interrupta Klug *in* Waltl, 1835:100, ♀, junior secondary homonym of *Cerceris interrupta* (Panzer, 1799). Holotype: ♀, Spain: Andalusia: no specific locality (ZMHU). Synonymized with *Cerceris bicincta* by de Beaumont, 1950c:321. – Klug *in* Waltl, 1835:87 (in list of Hymenoptera of Andalusia); Schletterer, 1887:375 (as synonym of *Cerceris rybyensis*).

Cerceris sesquicincta Klug *in* Waltl, 1835:100, ♂. Holotype: ♂, Spain: Andalusia: no specific locality (ZMHU). Synonymized with *Cerceris bicincta* by de Beaumont, 1950c:321. – Klug *in* Waltl, 1835:87 (in list of Hymenoptera of Andalusia); Kirchner, 1867:221 (in catalog of European Hymenoptera).

Cerceris quadrimaculata Dufour, 1849:92, ♀ (as *4 maculata*, incorrect original spelling). Syntypes: ♀, Spain: Madrid (MNHN). Synonymized with *Cerceris bicincta* Klug by de Beaumont, 1950c:321, 324. – Kirchner, 1867:221 (in catalog of European Hymenoptera); Marquet, 1881:181 (France: Bouches-du-Rhône: Marseille; Hérault: Béziers); Schletterer, 1887:400 (in revision of Palearctic *Cerceris*, description of ♂,), 500 (in checklist of world *Cerceris*); Ed. André, 1889:258 (in revision of Sphecidae of Europe and Algeria), 1891:26* (bibliographic references); Baldini, 1894:58 (Italy: Modena area); Schletterer, 1894:33 (Istria Peninsula, now part of Croatia, Slovenia, and Italy, as *4-maculata*); Schmiedeknecht, 1896:159 (Algeria: Hammam-Bou-Hadjar); Dalla Torre, 1897:472 (in catalog of world Hymenoptera); Mocsáry, 1897:80 (occurring in Mediterranean Hungary); Antiga and Bofill, 1904:20 (Spain: Cataluña Province); E. Saunders, 1904c:638 (Spain); Schmiedeknecht, 1907:237, 243 (in key to Hymenoptera of Central Europe); de Gaulle, 1908:104 (in catalog of French Hymenoptera); Strand, 1910e:217 (Algeria: Constantine Province); Morice, 1911:90 (Algeria: Constantine); Mercet, 1914:445 (listed from Spain); Zilahi Kiss, 1915:80 (Hungary: Simontornya); Kohl, 1916:120 (specimens in O. Radoszkowski collection, Kraków); Shestakov, 1918a:148 (Transcaspia); Maidl, 1922:68 (Croatia); Berland, 1925d:62 (in Sphecid Fauna of France); Shestakov, 1928:267 (study of syntypes); Berland, 1926a:53 (prey); Schmiedeknecht, 1930:698, 704 (in keys to Hymenoptera of North and Central Europe); Vorontsovskiy, 1930:65 (Russia: Orenburg Oblast'); Shestakov *in* Nadig, 1933:97 (Morocco: Asni); Giner Marí, 1934:131 (in revision of Spanish *Cerceris*); Kolosov, 1937:219 (Ukraine: Kupyansk); Zavadil, Šustera, and Bat'a, 1937:207 (in catalog of Sphecidae of Czechoslovakia); Giner Marí, 1941b:251 (in revision of North African *Cerceris*); Yasumatsu, 1942c:108 (China: Beijing; Nei Mongol: Apaka at 44°N 114.96°E); Giner Marí, 1943a:107 (in Sphecid Fauna of Spain); Yasumatsu, 1942:108 (China); Šnoflák *in* Zavadil and Šnoflák, 1948:91, 96 (in key to Sphecidae of Czechoslovakia); Ceballos, 1956:370 (in catalog of Hymenoptera of Spain); Babiy, 1964:117 (Austria: Land Salzburg).

Cerceris klugi Kirchner, 1867:221, junior primary homonym of *Cerceris klugii* F. Smith, 1856. Substitute name for *Cerceris interrupta* Klug *in* Waltl, 1835:100. – Shestakov, 1923:103, 104, 105 (in key to subgenus *Apiraptrix*), 115 (bibliographic reference, distribution); Giner Marí, 1941b: 157 (in revision of North African *Cerceris*).

Cerceris variolosa A. Costa, 1867c:95, ♂. Holotype or syntypes: ♂, Italy: Benevento (lost). Synonymized with *Cerceris bicincta* by de Beaumont, 1950c:326. – A. Costa, 1872a:30 (in revision of Italian Sphecidae);

Schletterer, 1887:482 (original description copied), 505 (in checklist of world *Cerceris*); Ed. André, 1889:261, 266 (in revision of Sphecidae of Europe and Algeria), 1891:26* (bibliographic references); Dalla Torre, 1897:480 (in catalog of world Hymenoptera); Mercet, 1914:445 (listed from Spain); Giner Marí, 1941a:84 (original description translated into Spanish); Ceballos, 1956:372 (in catalog of Hymenoptera of Spain); Balthasar, 1972:411 (in Sphecid Fauna of Czechoslovakia: may be expected in the country).

Cerceris variolosa A. Costa, 1869b:111, ♂. Objective synonym of *Cerceris variolosa* A. Costa, 1867c:95

Cerceris fuscina Shestakov, 1914:95, ♀. Holotype or syntypes: ♀, Turkmenistan: Imam Baba (ZIN). Synonymized with *Cerceris bicincta* by Kazenas, 1984a:69. – R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae).

Cerceris clythrochtonus Berland, 1926a:53 (authorship attributed to F. Guérin-Méneville). Name proposed as synonym of *Cerceris quadrimaculata* Dufour. Not available (Article 11.6).

As *Cerceris quadricincta* var. *schulthessi* (corrected to *Cerceris bicincta* by de Beaumont, 1951f:350): von Schulthess, 1926b:211 (Tunisia: Le Kef); Giner Marí, 1941b:251 (in revision of North African *Cerceris*).

Cerceris bimaculata Vogrin, 1954:12, ♀, junior primary homonym of *Cerceris bimaculata* Cameron, 1905. Holotype: ♀, Yugoslavia: Skodar = Scutari (Croatian National Zool. Mus.?). Synonymized with *Cerceris bicincta* by de Beaumont, 1957d:328. – Vogrin, 1955:32 (Yugoslavia).

ssp. *leucozonica* Schletterer

Cerceris leucozonica Schletterer, 1887:405, ♀, ♂. Syntypes: Hungary: no specific locality; and Romania (as Bulgaria): Tultscha, now Tulcea (NHMW). – Schletterer, 1887:496 (in checklist of world *Cerceris*); Ed. André, 1889:259, 275, 296, 300 (in revision of Sphecidae of Europe and Algeria), 22* (bibliographic references); Schletterer, 1894:33 (Istria Peninsula, now part of Croatia, Slovenia, and Italy); Dalla Torre, 1897:466 (in catalog of world Hymenoptera); Mocsáry, 1897:80 (Kingdom of Hungary, some localities are in today's Slovakia); Vángel, 1905:167 (Hungary); Schmiedeknecht, 1907:240, 243 (in key to Hymenoptera of Central Europe); R. Turner, 1912e:511 (in revision of *Cerceris* of Indian subcontinent; Pakistan: Balochistan: Quetta); Mercet, 1914:445 (recorded from Spain); Kohl, 1916:120 (as a color form of *Cerceris quadrimaculata*); Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); Schmiedeknecht, 1930:701, 704 (in keys to Hymenoptera of North and Central Europe); Giner Marí, 1941a:82 (original description translated into Spanish), 1943a:107 (in Sphecid Fauna of Spain); Šnoflák *in* Zavadil and Šnoflák, 1948:91, 96 (in key to Sphecidae of Czechoslovakia, not yet found in Czechoslovakia); Bajári, 1956b:406, 408 (is a subspecies of *bicincta*); Ceballos, 1956:369 (in catalog of Hymenoptera of Spain); Balthasar, 1958:338 (first record from Slovakia: Štúrovo); Balthasar and Hrubant, 1961:15 (Slovakia: Štúrovo); Haris, 2016:22 (in list of species described by A. Schletterer from Carpathian Basin). – **As *Cerceris bicincta leucozonica***: de Beaumont, 1951b:178 (new status); Bajári, 1956a:82 (in catalog of Hungarian *Cerceris*, with list of localities), 1957a:31, 40 (in key to Hungarian Sphecidae); de Beaumont and Bytinski-Salz, 1959:123 (Israel: Jerusalem); Pulawski, 1965c:567 (*Cerceris schulthessi* is a junior synonym); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Dollfuss, 1989:8 (type material in NHMW); K. Schmidt, 2000:86 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001d:110, 111 (in key to *Cerceris* of Kazakhstan and Central Asia); Protsenko, Fateryga, and Ivanov, 2014:34 (Crimea: Chernomorsk, Tarkhankut Promontory, Opuks Nature Reserve); Shorenko, 2017:80 (in Crimea collected in June), 2018:130 (Crimea, including localities, habitats, and number of specimens); Malash, Edmardash, and Gadallah, 2022:9 (in catalog of Middle Eastern and North African Philanthinae).

Cerceris schulthessi Schletterer, 1889a:885, ♀, ♂. Syntypes: Russia: Sarepta, now Krasnoarmeysk near Volgograd (Bern). Synonymized with *Cerceris bicincta leucozonica* by Pulawski, 1965c:567. – Dalla Torre, 1897:476 (in catalog of world Hymenoptera); Shestakov, 1917c:46 (Ukraine: Crimea, as *schulthesi*), 1918a:151 (Kazakhstan and Uzbekistan); nec von Schulthess, 1926b:211 (= *Cerceris bicincta*); Shestakov, 1927a:17 (Russia: Stalingrad Oblast', now Volgograd Oblast', as *schulthesi*), 19 (Russia: Ural'sk Oblast', now Kazakhstan: Oral Oblast'); Vorontsovskiy, 1928:44 (Russia: vicinity of Orenburg); nec Giner Marí,

1941b:251 (= *Cerceris bicincta*); Giner Marí, 1945a:248 (Yugoslavia: Split, Skopije; as *Cerceris quadrimaculata* var. *schulthessi*); Dollfuss, 1989:8 (type material in NHMW). – **As *Cerceris bicincta schulthessi***: Kazenas, 1974b:109 (new status, feeding on flowers of *Tamarix* sp., Tamaricaceae, in Kazakhstan), 110 (feeding on flowers of *Nitraria schoberi* L., Zygophyllaceae, in Kazakhstan); Pulawski, 1978:192 (in key to Sphecidae of European part of USSR); Kuznetzova, 1990:18 (Russia: Voronezh Oblast': Galich'ya Gora Nature Reserve); Shkuratov, 2000:55 (Russia: Rostov Oblast': Vëshenskaya village area at 49°37'N 41°45'E), 2002b:139 (Russia: Rostov Oblast': Rostovskiy Nature Reserve at 46°27'N 42°41'E).

As *Cerceris variabilis* (partly):, 1877:63 (Uzbekistan), corrected to *Cerceris schulthessi* by Shestakov, 1918a:161. Radoszkowski

97. *bicornuta* Guérin-Méneville

Cerceris bicornuta Guérin-Méneville, 1844:443, [♀]. Lectotype: ♀, USA: Louisiana: New Orleans (MSNG), designated by Guiglia, 1948b:179 (Article 74.6). – F. Smith, 1856:466 (in catalog of Hymenoptera in British Museum); Cresson, 1862:237 (in catalog of North American Hymenoptera), 1865c:117 (in revision of North American Philanthinae); Packard, 1866:59 (in key to North American *Cerceris*), 61 (bibliographic reference, geographic distribution); de Saussure, 1867:100 (Louisiana, Carolina, Mexico; redescription); Cresson, 1873:227 (Texas), 1875:717 (Colorado, Nevada, New Mexico); Snow, 1881:95 (in checklist of Hymenoptera of Kansas: Douglas County: no specific locality); Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:486 (in checklist of world *Cerceris*); Cameron, 1890a:127 (bibliographic reference, geographic distribution); Dalla Torre, 1897:453 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae, as *bicornis*); Bridwell, 1899:209 (Kansas: no specific locality); Cockerell, 1899a:142 (New Mexico); J. Smith, 1904b:130 (New Mexico); J. Smith, 1910:678 (in new of insects of New Jersey);: 16 (in rev Banks, 1912ision 1900:519 (in list of insects of New Jersey); Viereck, 1903d:120 list (Maryland: Chestertown); Viereck and Cockerell, of eastern U.S. *Cerceris*); Kohl, 1916:108 (specimens in coll. Radoszkowski); Mickel, 1918b:447 (in catalog of Nebraskan Sphecidae); J.Ch. Bradley, 1928:1017 (in catalog of New York Sphecidae); Rau, 1928b:337 (nesting habits; prey: curculionids *Sphenophorus parvulus* Gyllenhaal, *S. placidus* Schoenher, and *S. zeae* Walsh); Cartwright, 1929:31 (preying on *Calendra maidis* Chittenden, now *Sphenophorus maidis*, a curculionid); Britton, 1938:149 (in addition to checklist of insects of Connecticut); Scullen, 1942:189 (as synonym of *Cerceris serripes*); Guiglia, 1948b:179 (lectotype in Genova); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1005 (in catalog of North American Hymenoptera, as *bicornuta bicornuta*); Krombein, 1953a:295 (visiting foliage of *Pinus serotina* Michx.), 336 (North Carolina), 1953b:118 (nest, prey: *Calendra* weevils), 123 (visiting foliage of *Quercus virginiana* Mill.), 124 (visiting flowers of *Pluchea* sp., Asteracee), 125 (attracted to a grass), 134 (North Carolina: Kill Devil Hills); Krombein and Evans, 1954:235 (Florida); Krombein, 1958f:197 (in supplement to catalog of North American Hymenoptera: prey: *Calendra venata vestita* (Chit.) and *C. cariosa* (Oliv.), Curculionidae, as *bicornuta bicornuta*); Guiglia and Pasteels, 1961:19 (type material in Genova Mus.); Scullen, 1965b:462 (in revision of North American *Cerceris*, as *bicornuta bicornuta*); Tsuneki, 1965d:3 (prey record summary: Curculionidae); Wray, 1967:124 (North Carolina: Kill Devils Hills, as *bicornuta bicornuta*); Scullen and Wold, 1970:210 (distribution and summary of prey records, as *bicornuta bicornuta*); Evans, 1971:513 (nesting habits, as *bicornuta bicornuta*); Scullen, 1972:71 (in revision of Mexican and Central American *Cerceris*, as *bicornuta bicornuta*); R. Bohart and Grissell, 1975:39 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); L. Davis, 1978:216 (North Carolina: Kill Devil Hills, data from Krombein, 1953a); Evans and Rubink, 1978:60 (nesting habits); Krombein, 1979b:1730 (in catalog of North American Hymenoptera, nesting sites, list of prey); G. Ferguson, 1984c:471 (in annotated list of North American and Caribbean *Cerceris*); Radović, 1985:66 (sting apparatus analyzed); Steiner, 1986:113 (references to publications on nesting habits); Spofford, Kurczewski, and Downes, 1989:258 (reference to publication on nest parasite *Senotainia kansensis* (Townsend), a miltogrammine fl); Ahlstrom, 1995:113 (in checklist of insects of

North Carolina); Evans, 1996:70 (nest, prey); Meagher and Mitchell, 1999:368 (collected in pheromone- and synthetic floral volatile-baited traps); Weissmann and Kondratieff, 1999:78 (Colorado: Great Sand Dunes National Monument); Meagher, 2001a:78 (effectiveness of different colored pheromone-baited traps), 2001b:291 (Florida: Alachua County: collected in traps baited with pheromone and synthetic floral volatile compound); Amarante, 2002:57 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Amarante, 2005a:12 (correction to his 2002 catalog); Buck, Paiero, and Marshall, 2006:41 (first record from Canada: Ontario: Essex County: Windsor; Lambton County: Island of Walpole), 45 and 47 (in key to eastern Canadian *Cerceris*); Cope, Campbell, Grodsky, and Ellis, 2019:6 (Florida: collected in emergence traps); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Ontario: no specific locality).

Cerceris dufourii Guérin-Méneville, 1844:444, ♂ (as *Dufourii*, incorrect original capitalization). Holotype by monotypy (as indicated by Guiglia, 1948b:179): ♂**,** USA: Louisiana: New Orleans (MSNG). Synonymized with *Cercreis bicornuta* by Cresson, 1875:717. – Cresson, 1862:237 (in catalog of North American Hymenoptera), 1865c:131 (original description copied); Packard, 1866:64 (bibliographic reference); Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:490 (in checklist of world *Cerceris*); Dalla Torre, 1897:457 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); J. Smith, 1900:519 (in list of insects of New Jersey), 1910:678 (in new list of insects of New Jersey); Guiglia, 1948b:179 (lectotype in Genova); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); Pagliano, 2014:112 (specimens in M. Spinola collection, Torino, are *Cerceris* sp.).

Cerceris venator Cresson, 1865c:116, ♂. Lectotype: ♂, USA: Illinois: no specific locality (ANSP), designated by Cresson, 1916:101. Synonymized with *Cerceris bicornuta* by Cresson, 1875:717. – Packard, 1866:59 (in key to North American Cerceris), 61 (bibliographic reference, geographic distribution); Cresson, 1873:228 (Texas); Snow, 1881:95 (in checklist of Hymenoptera of Kansas: Wallace County: no specific locality); Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:505 (in checklist of world *Cerceris*); Dalla Torre, 1897:480 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Bridwell, 1899:209 (Kansas: Baldwin); Cockerell, 1899a:142 (New Mexico); J. Smith, 1900:519 (in list of insects of New Jersey); Cockerell, 1901:41 (visiting flowers of *Petalostemon candidus* (Willd.), Leguminosae); Viereck and Cockerell, 1904b:130 (New Mexico); Hart, 1907:255 (Illinois); H. Smith, 1908b:364 (in revision of Nebraskan Sphecidae); J. Smith, 1910:678 (in new list of insects of New Jersey); Mickel, 1918b:447 (in catalog of Nebraskan Sphecidae); J.Ch. Bradley, 1928:1017 (in catalog of New York Sphecidae); Hendrickson, 1930:160 (Iowa).

Cerceris curvicornis Cameron, 1890a:124, ♂. Holotype: ♂, Mexico: Mazatlán: Presidio (BMNH). Synonymized with *Cerceris bicornuta* by Scullen, 1961:45. – Dalla Torre, 1897:457 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae).

Cerceris fidelis Viereck and Cockerell, 1904b:132, ♀. Holotype: ♀, USA: New Mexico: Santa Fe (ANSP). Synonymized with *Cerceris bicornuta* by R. Bohart and Grissell, 1975:39, and by R. Bohart *in* R. Bohart and Menke, 1976:577 (as new synonymy). – Cresson, 1928:49 (holotype in ANSP); Banks, 1947:15 (in revision of eastern U.S. *Cerceris*); Steiner, 1986:113 (references to publications on nesting habits). – **As *Cerceris bicornuta fidelis***: Scullen *in* Muesebeck, Krombein, and Townes, 1951:1005 (new status, in catalog of North American Hymenoptera); Krombein, 1960b:75 (nest and prey), 1961:300 (prey: large curculionids of genus *Eupagoderes* Horn); Scullen, 1965b:465 (in revision of North American *Cerceris*); Scullen and Wold, 1970:210 (distribution and summary of prey records); Scullen, 1972:72 (in revision of Mexican and Central American *Cerceris*); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

Cerceris venatrix W. Schultz, 1906:195. Unjustified emendation of *Cerceris venator* Cresson, 1865.

As *Cerceris serripes* (corrected to *Cerceris bicornuta* by Ferguson and Vardy, 1984:57): Bequaert, 1928:62 (incorrectly synonymized *Cerceris bicornuta*); Brimley, 1938:448 (North Carolina: Bryson City, Raleigh, Southern Pines); Scullen, 1942:188 (as senior synonym of *Cerceris bicornuta*); Strandtmann, 1945a:311 (nest and prey).

98. *bicuspidata* Arnold

Cerceris bicuspidata Arnold, 1931:154, ♂. Holotype: ♂, Namibia: Okahandja (BMNH). – Arnold, 1931:144 (in key to Afrotropical *Cerceris*); Empey, 1969a:302 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Empey, 1983:166 (bibliographic reference, illegal designation of lectotype); Dollfuss, 2020a:95 (Namibia: 24 km south of Kamanjab, Outjo).

99. *bidentula* Maidl

Cerceris bidentula Maidl, 1926:231, ♀. Holotype: ♀, Indonesia: Sulawesi: Samanaga (NHMW). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Dollfuss, 1989:8 (type material in NHMW), 2020b:119 (Laos: Bolikhamsai Province: near Ban Nape at 18°20'N 105°08'E; Malaysia: Pahang: 30 km northeast off Raub at 3°56'N 101°38'E).

Cerceris langkasukae Pagden, 1934b:472, ♀, ♂. Holotype: ♀, Malaysia: Kedah: Bukit Panchor (BMNH). Prey: Buprestidae and also *Hingstoniola pagdeni* Leclercq. Synonymized with *Cerceris bidentula* by Krombein, 1981:30. – R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae).

Cerceris spiniventris Pagden, 1934:486, nomen nudum (predator of *Crabro fimbriata*), another name used for *Cerceris langkasukae*.

ssp. *spiniventris* Tsuneki

Cerceris spiniventris Tsuneki, 1963c:34, ♂. Holotype: ♂, Thailand: Chiang Mai (Sasayama Univ.). – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae). – **As *Cerceris bidentula spiniventris***: Krombein, 1981:10 (new status, nesting habits), 30 (in revision of Sri Lanka Philanthinae).

100. *bifasciata* Guérin-Méneville

Cerceris bifasciata Guérin-Méneville, 1835:pl. 71 fig. 9,[♀]. Holotype or syntypes: ♀, India: Bengal: no specific locality (MSNG). – Guérin-Méneville, 1844:443 (description); F. Smith, 1856:451 (in catalog of Hymenoptera in British Museum), 1871a:369 (in catalog of Oriental Aculeata, as *bifasciatus*); Schletterer, 1887:487 (in checklist of world *Cerceris*); Cameron, 1890b:248 (in checklist of Oriental Sphecidae); Bingham, 1897:301 (in key to *Cerceris* of British India), 312 (original description copied); Dalla Torre, 1897:453 (in catalog of world Hymenoptera); R. Turner, 1912e:806 (in revision of *Cerceris* of Indian subcontinent; original description copied); Guiglia, 1948b:179 (lectotype in Genova); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Krombein, 1981:13 (nesting habits), 39 (in revision of Sri Lanka Philanthinae); Hua, 2006:277 (in list of Chinese insects, geographic distribution); X. Li and L. Ma, 2014:2714 (in key to *Cerceris alboatra* species group of China, in Chinese); Dollfuss. 2020b:120 (locality records from India and Indonesia).

Cerceris instabilis F. Smith, 1856:452, ♀, ♂. Syntypes: India and China: no; specific localities (BMNH). Synonymized with *Cerceris bifasciata* by Krombein, 1981:39. – F. Smith, 1858b:18 (Indonesia: Sulawesi), 1863b:136 (known from China, India, and Sulawesi); de Saussure, 1867:92 (Sri Lanka: Trincomelee; redescription); F. Smith, 1871a:370 (in catalog of Oriental Aculeata); Schletterer, 1887:494 (in checklist of world *Cerceris*); Cameron, 1890b:249 (India: Barrackpore, Poona), 253 ("common and variable"); Bingham, 1896a:446 (references), 1897:301 (in key to *Cerceris* of British India), 307 (in revision of *Cerceris* of British India); Dalla Torre, 1897:463 (in catalog of world Hymenoptera); Rothney, 1903:105 (India: West Bengal: Barrackpore); Paiva, 1907:15 (Nepal: Soondrijal); Maxwell-Lefroy, 1909:209 (India: common); R. Turner, 1912e:806 (in revision of *Cerceris* of Indian subcontinent); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); S. Gupta, 1995:87 (India: Uttar Pradesh); Jonathan, Ray, and Kundu, 2000:210 (India: Meghalaya: East Garo Hills: Songsak).

Cerceris velox F. Smith, 1875:41, ♂. Syntypes: ♂, India: no specific locality (OXUM). Synonymized with *Cerceris instabilis* by Cameron, 1890b:249, synonymy confirmed by Krombein, 1981:40. – Schletterer, 1887:505 (in checklist of world *Cerceris*); Dalla Torre, 1897:480 (in catalog of world Hymenoptera).

Cerceris varia Maidl, 1926:222, ♀. Holotype: ♀, Indonesia: Java: no specific locality (NHMW). Synonymized with *Cerceris bifasciata* by Krombein, 1981:40. – van der Vecht, 1964:356 (in revisions of Javan species); Haneda, 1972a:6 (Taiwan); nec Tsuneki, 1970c:4, 20 (= *Cerceris varia kalensis*); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae).

Cerceris obtusedentata Maidl, 1926:235, ♂. Holotype: ♂, Indonesia: Java: no specific locality (NHMW). Synonymized with *Cerceris varia* by van der Vecht, 1964:356. – Dollfuss, 1989:8 (type material in NHMW, as *obtusedentata*).

Cerceris maculiceps Tsuneki, 1963:30, ♂. Holotype: ♂, Thailand: Patalung (Sasayama Univ.). Synonymized with *Cerceris varia* by Tsuneki, 1970c:20, synonymy confirmed by Krombein, 1981:40.

Cerceris varia kalensis Tsuneki, 1972c:4, ♂. Holotype: ♂, Taiwan: Hualien Prefecture: Liyuchih (originally K. Tsuneki coll., now USNM). Synonymized with *Cerceris bifasciata* by Krombein, 1981:40. – Murota, 1973b:117 (Taiwan); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Tsuneki, 1977j:254 (Taiwan); Nuhn and Menke, 1994:25 (holotype transferred to USNM).

As *Cerceris varia*: Tsuneki, 1970c:4, 5 (in key to *Cerceris* of Taiwan), 20 (Taiwan, redescription), corrected to *Cerceris varia kalensis* by Tsuneki, 1972c:4.

101. *bifurcata* Empey

Cerceris bifurcata Empey, 1970:183, ♀. Holotype: ♀, Zaire: Garamba National Park (MRAC). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae).

102. *bimaculata* Cameron

Cerceris bimaculata Cameron, 1905c:219, ♀. Lectotype: ♂ [*sic*], India: Assam: Khasia Hills (OXUM), designated by Empey, 1984:76. – R. Turner, 1912e:505 (in revision of *Cerceris* of Indian subcontinent); Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Empey, 1984:76 (in checklist of Oriental *Cerceris* described by Cameron, type examined); Jonathan, Ray, and Kundu, 2000:210 (India: previously recorded from Meghalaya: East Khasi Hills).

Cerceris canaliculata Cameron, 1905c:219, ♂, junior primary homonym of *Cerceris canaliculata* Pérez, 1895. Lectotype: ♂, India: Assam: Khasia Hills (OXUM), designated by Empey, 1984:76 (Article 74.6). Synonymized with *Cerceris bimaculata* by R. Turner, 1912e:505.

Cerceris cameroni W. Schulz, 1906:194 (as *Cameroni*, incorrect original capitalization). Substitute name for *Cerceris canaliculata* Cameron, 1905 nec *Cerceris canaliculata* (Say, 1823) Schletterer, 1887. – G. Ferguson, 1982:155 (removed from synonymy of *Eucerceris canaliculata*).

103. *binghami* R. Turner

As *Cerceris ferox*: Bingham, 1897:301 (in key to *Cerceris* of British India), 309 (in revision of *Cerceris* of British India), corrected to *Cerceris binghami* by R. Turner, 1912e:503, probably also Bingham, 1905:46 (Malaysia: Biserat).

Cerceris binghami R. Turner, 1912:503, ♀. Holotype or syntypes: ♀, Burma: Tenasserim: Ataran (BMNH). – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae).

104. *binodis* Spinola

Cerceris binodis Spinola, 1842:117, ♂. Lectotype: ♂, French Guiana: Cayenne (M. Spinola collection, Torino), designated by G. Ferguson, 1984b:432. – F. Smith, 1856:464 (in catalog of Hymenoptera in British Museum); Schletterer, 1887:487 (in checklist of world *Cerceris*); Cameron, 1890a:107 (Mexico, redescription); Dalla Torre, 1897:453 (in catalog of world Hymenoptera); Fritz, 1970:159 (*Cerceris viduata* is a

junior synonym); Evans, 1971:513 (nesting habits); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Nascimento and Overal, 1980:4 (Brazil, Peru); G. Ferguson, 1984c:472 (in annotated list of North American and Caribbean *Cerceris*); Callan, 1990d:194 (nest and prey), 1991a:12 (Trinidad); D. Banks, 1995:77 (nest defense by males); Amarante, 2002:57 (in catalog of Neotropical Crabronidae); Starr and Hook, 2003:21 (in catalog of Aculeata of Trinidad, West Indies); Giovanetti, 2005:713 (nesting habits); Rasmussen and Asenjo, 2009:14 (in checklist of Crabronidae of Peru); Dollfuss, 2021b:570 (French Guiana: Fourgassie northeast of Mount de Kaw). – **As *Philanthus binodis***: Casolari and Casolari Moreno, 1980:122 (new generic assignment, specimens in M. Spinola collection, Torino); Pagliano, 2014:104 (specimens in M. Spinola, Torino, are *Cerceris binodis*). – **As *Didesmus binodis***: Ashmead, 1899d:296 (new generic assignment, in checklist of North American Sphecidae).

Diamma spinolae Dahlbom, 1844:225, ♂ (as *Spinolae*, incorrect original capitalization). Substitute name for *Cerceris binodis* Spinola, 1842. Holotype or syntypes: ♂, French Guiana: Cayenne (Lund). Synonymized with *Cerceris binodis* by F. Smith, 1856:464. – **As *Didesmus spinolae***: Dahlbom, 1845:502 (new generic assignment, type species of *Didesmus*). – **As *Cerceris spinolae***: Schletterer, 1887:503 (new generic assignment, in checklist of world *Cerceris*)

Cerceris viduata F. Smith, 1856:463, ♀. Holotype or syntypes: ♀, Brazil: Pará: Belém (BMNH). Synonymized with *Cerceris binodis* by Fritz, 1970:159. – Schletterer, 1887:483 (original description copied), 506 (in checklist of world *Cerceris*); Dalla Torre, 1897:481 (in catalog of world Hymenoptera).

Cerceris singularis Brèthes, 1910a:265, ♀. Holotype: ♀, Argentina: Córdoba: Córdoba (MACN). Synonymized with *Cerceris binodis* by Fritz, 1970:159. – Schrottky, 1913a:230 (Argentina: Córdoba); Fritz, 1968b:166 (study of holotype); Genise, 1990:26 (type material in MACN).

105. *biplicatula* Gussakovskij

Cerceris biplicatula Gussakovskij, 1938:8, ♀. Holotype: ♀, China: Kiangsu Province: no specific locality (NRS). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Wu and Zhou, 1996a:169 (in revision in Economic Insect Fauna of China); Hua, 2006:277 (in list of Chinese insects, geographic distribution); X. Li and L. Ma, 2014:2714 (in key to *Cerceris alboatra* species group of China, in Chinese).

106. *bituberculata* Tsuneki

Cerceris bituberculata Tsuneki, 1963c:29, ♀, ♂. Holotype: ♀, Thailand: Muangfang (Sasayama Univ.). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae): Dollfuss, 2020:120 (Vietnam: Bac Giang Province: Van Danh Nature Reserve at 21°09.965'N 106°49.557'E); Pham and Antropov, 2021:321 (recorded from Vietnam by Dollfuss, 2020).

107. *blakei* Cresson

Cerceris elegans F. Smith, 1856:467, ♂, junior primary homonym of *Cerceris elegans* Eversmann, 1849. Lectotype: ♂, USA: Florida: St. John's Bluff, now in Jacksonville (BMNH), designated by G. Ferguson, 1984b:434. Synonymized with *Cerceris blakei* by Scullen, 1961:45. – Cresson, 1862:237 (in catalog of North American Hymenoptera), 1865c:131 (original description copied); Packard, 1866:64 (bibliographic reference); Cresson, 1887:282 (in catalog of North American Hymenoptera); Dalla Torre, 1897:454 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Banks, 1912:26 (in revision of eastern U.S. *Cerceris*).

Cerceris blakei Cresson, 1865b:121, ♀ (as *Blakei*, incorrect original capitalization). Holotype: ♀, USA: Georgia: no specific locality (ANSP). – Packard, 1866:60 (in key to North American *Cerceris*), 61 (bibliographic reference, geographic distribution); Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:487 (in checklist of world *Cerceris*, as *blackii*); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Bridwell, 1899:209 (Kansas: no specific locality); Cresson, 1916:99 (holotype in ANSP); Brimley, 1938:447 (North Carolina: Laurel Hill, McCullers, Southern Pines); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1005 (in catalog of North American Hymenoptera); Krombein,

1953a:295 (visiting foliage of *Pinus serotina* Michx.), 297 (visiting foliage of *Quercus virginiana* Mill.), 336 (North Carolina), 1953b:122 (visiting foliage of *Quercus marilandica* Muenchh.), 123 (visiting foliage of *Quercus virginiana* Mill.), 125 (attracted to a grass), 134 (North Carolina: Kill Devil Hills); Krombein and Evans, 1954:235 (Florida); Krombein, 1963c:72 (nesting habits); Scullen, 1965b:359 (in revision of North American *Cerceris*); Tsuneki, 1965d:3, 4 (prey record summary: Chrysomelidae, Curculionidae, Tenebrionidae); Scullen and Wold, 1970:210 (distribution and summary of prey records); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); L. Davis, 1978:216 (North Carolina: Kill Devil Hills, data from Krombein, 1953a); Krombein, 1979b:1730 (in catalog of North American Hymenoptera, nest, list of prey); G. Ferguson, 1984c:472 (in annotated list of North American and Caribbean *Cerceris*); Piek and Spanjer, 1986:181 (in list of Sphecidae with known prey); Ahlstrom, 1995:114 (in checklist of insects of North Carolina); Deyrup and Eisner, 2003:522 (a Floridian, red-marked species).

Cerceris elegantissima Schletterer, 1887:490. Substitute name for *Cerceris elegans* F. Smith, 1856. – Dalla Torre, 1897:458 (in catalog of world Hymenoptera); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1007 (in catalog of North American Hymenoptera).

108. *boetica* Pérez

Nectanebus boeticus Pérez, 1913:72, ♀, ♂ (as *Boeticus*, incorrect original capitalization). Syntypes: Spain: Andalusia and Sierra Nevada: no specific localities (depository?). – Mercet, 1914:445 (in key to Philanthinae of Spain, as *baeticus*); Giner Marí, 1943a:107 (in Sphecid Fauna of Spain, as *baeticus*); Ceballos, 1956:372 (in catalog of Hymenoptera of Spain, as *baeticus*). – **As *Cerceris boetica***: R. Bohart and Menke, 1976:578 (new generic assignment, in checklist of world Sphecidae); Tormos and Jiménez, 1985:43 (Spain: Benidorm); Gayubo, Tormos, and Asís, 1993a:205 (Spain: Almería Province: Rioja; Granada: Guadix); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:326 (in Sphecid Fauna of Western Europe); K. Schmidt, 2000:125 (in revision of Western Palearctic *Cerceris*); Fresno, 2017:159 (Spain: Murcia: Calasparra); Dollfuss, 2018:1132 (Spain: Granada: Yegen northeast of Orgiva); Dollfuss, 2021c:584 (Spain: Granada: Yegon northeast of Orgiva).

Cerceris lorcai Guichard, 1990a, ♀, ♂. Holotype: ♀, Spain: Granada: Yegen northeast of Orgiva in Sierra Nevada (M. Schwarz coll.). Synonymized with *Cerceris boeticus* by Gayubo, Tormos, and Asís, 1993a:205.

109. *boharti* Scullen

Cerceris boharti Scullen, 1965b:466, ♀. Holotype: ♀, Arizona: Santa Catalina Mountains: Mount Lemmon Lodge (UCD). – Scullen, 1972:72 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Krombein, 1979b:1730 (in catalog of North American Hymenoptera); G. Fergsuon, 1984c:472 (in annotated list of North American and Caribbean *Cerceris*); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Amarante, 2005a:5 (in addendum to his 2002 catalog of Neotropical Crabronidae and Sphecidae).

110. *bohartiana* Fritz and Toro

Cerceris bohartiana Fritz and Toro, 1969:152, ♀. Holotype: ♀, Argentina: La Rioja: Iliar (MACN). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Amarante, 2002:58 (in catalog of Neotropical Crabronidae), 2005a:12 (correction to his 2002 catalog).

111. *bolanica* R. Turner

Cerceris bolanica R. Turner, 1912e:515, ♀, ♂. Syntypes: Pakistan: Balochistan: Quetta (BMNH). – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); X. Li and L. Ma, 2016:3017 (comparison with *Cerceis zygomeiosis*).

112. *bolingeri* Scullen

Cerceris aequalis bolingeri Scullen, 1965b:453, ♀. Holotype: ♀, USA, Oregon: Lake County: Hart Mountain: Jacob's Cabin (USNM). – R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae); Krombein, 1979b:1729 (in catalog of North American Hymenoptera). – **As *Cerceris bolingeri***: G. Ferguson, 1984c:472 (full species status, in annotated list of North American and Caribbean *Cerceris*); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

113. *bolingeriana* Krombein

Cerceris bolingeri Scullen, 1972:72, ♀, junior primary homonym of *Cerceris bolingeri* Scullen, 1965. Holotype: ♀, Mexico: Durango: 40 mi. northwest of Gomez Palacio (USNM). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae).

Cerceris bolingeriana Krombein, 1979b:1730. Substitute name for *Cerceris bolingeri* Scullen, 1972. – G. Ferguson, 1984c:472 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:58 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Amarante, 2005a:12 (correction to his 2002 catalog).

114. *bonaerensis* Holmberg

Cerceris bonaerensis Holmberg, 1903:486, ♀ (as *bonaërensis*, incorrect original diacritic mark). Lectotype: ♀, Argentina: Buenos Aires: Buenos Aires (MACN), designated by Fritz, 1968b:165 (Article 74.6) and 1983a:25. – Schrottky, 1913a:229 (Argentina: Buenos Aires); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Fritz, 1983a (redescription); Amarante, 2002:58 (in catalog of Neotropical Crabronidae).

Cerceris pedestris Brèthes, 1910a:266, ♀. Holotype or syntypes: ♀, Argentina: Entre Rios: Paraná (MACN). Synonymized with *Cerceris bonaerensis* by Fritz, 1983a:25. – Schrottky, 1913a:230 (Argentina: Entre Ríos); Fritz, 1968b:166 (holotype missing in MACN); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Genise, 1990:26 (type material in MACN).

Cerceris ameghinoi Brèthes, 1910a:275, ♀ (as *Ameghinoi*, incorrect original capitalization). Holotype or syntypes: ♀, Argentina: Entre Ríos: Paraná (depository unknown: Fritz, 1968b:168). Synonymized with *Cerceris bonaerensis* by Fritz, 1983a:25. – Schrottky, 1913a:229 (Argentina: Entre Ríos); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Genise, 1990:26 (location of type material unknown); Amarante, 2005a:12 (correction to his 2002 catalog).

Cerceris lynx Brèthes, 1913:124, ♀. Holotype: ♀, Argentina: Córdoba: Arias (MACN). Synonymized with *Cerceris bonaerensis* by Fritz, 1983a:25. – Fritz, 1968b:169 (study of holotype); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Genise, 1990:26 (type material in MACN).

115. *borealis* Mocsáry

Cerceris borealis Mocsáry *in* Mocsáry and Szépligeti, 1901:161, ♂. Holotype or syntypes: ♂, Russia: Siberia: Krasnoyarsk (TMB). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia), 2009a:66 (is an endemic of Krasnoyarskiy Kray, Russia), 2009b:146 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia).

116. *boschmai* van der Vecht

Cerceris boschmai van der Vecht, 1964:359, ♀, ♂. Holotype: ♀, Indonesia: Java: Banten, Tjilegon (RMNH). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae).

117. *bothavillensis* Brauns

Cerceris bothavillensis Brauns, 1926:327, ♀. Lectotype: ♀, South Africa: Free State: Bothaville (TMP), designated by Empey, 1983:166. – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:139 (in key to Afrotropical *Cerceris*), 1942:23 (Lesotho: Mamathes; description of ♂); Empey, 1969a:303 (in checklist

of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Empey, 1983:166 (bibliographic reference, type examined).

118. *bothriophora* Schletterer

Cerceris bothriophora Schletterer, 1887:456, ♀, ♂. Lectotype: ♂, Mexico: no specific locality (NHMW), designated by G. Ferguson, 1984b:432; designation of neotype by Scullen, 1972:73 was illegal (G. Ferguson, 1984b:432). – Schletterer, 1887:487 (in checklist of world *Cerceris*); Cameron, 1890a:127 (bibliographic reference); Dalla Torre, 1897:454 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Scullen, 1972:73 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); G. Ferguson, 1984c:473 (in annotated list of North American and Caribbean *Cerceris*); Dollfuss, 1989:8 (neotype in NHMW); Amarante, 2002:58 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

Cerceris geniculata Cameron, 1890:113, ♀. Lectotype: ♀, Mexico: Nayarit: Cuantla (BMNH), designated by G. Ferguson, 1984b:435. Synonymized with *Cerceris bothriophora* by G. Ferguson, 1984c:473. – Dalla Torre, 1897:462 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae). – **As *Cerceris compar geniculata***: Scullen, 1962:57 (new status), 1965b:442 (in revision of North American *Cerceris*), 1972:60 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Krombein, 1979b:1732 (in catalog of North American Hymenoptera); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

Cerceris feralis Cameron, 1890:113, ♂. Lectotype: ♂, Mexico: Nayarit: Cuantla (BMNH), designated by G. Ferguson, 1984b:434. Synonymized with *Cerceris geniculata* by Scullen, 1962:57. – Dalla Torre, 1897:459 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Scullen, 1972:60 (as synonym of *Cerceris compar geniculata*).

Cerceris orestes Banks, 1947:13, ♀, ♂ Lectotype: ♀, Arizona: Patagonia (MCZ), designated by G. Ferguson, 1983b:231. Synonymized with *Cerceris bothriophora* by G. Ferguson, 1984c:473. – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1009 (in catalog of North American Hymenoptera). – **As *Cerceris compar orestes***: Scullen, 1962:57 (new status), 1965b:444 (in revision of North American *Cerceris*), 1972:61 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Krombein, 1979b:1732 (in catalog of North American Hymenoptera); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

119. *bougainvillensis* Tsuneki

Cerceris bougainvillensis Tsuneki, 1968e:8, ♀, ♂. Holotype: ♀, Solomon Islands: Island of Bougainville (AMNH). – Tsuneki, 1968e:4 (in key to *Cerceris* of Australia); Krombein, 1969a:32 (diagnostic characters), 35 (description of nominotypical subspecies); Tsuneki, 1982a:56 (Bismarck Archipelago); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae).

ssp. *lavellensis* Krombein

Cerceris bougainvillensis lavellensis Krombein, 1969b:34, ♀, ♂. Holotype: ♀, Solomon Islands: Vella Lavella (USNM). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae).

ssp. *novogeorgica* Krombein

Cerceris bougainvillensis novogeorgica Krombein, 1969b:34, ♀, ♂. Holotype: ♀, Solomon Islands: Island of Nova Georgia: Munda Point (USNM). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae).

ssp. *solomonis* Krombein

Cerceris bougainvillensis solomonis Krombein, 1969b:32, ♀, ♂. Holotype: ♀, Solomon Islands: Island of Guadalcanal: Haitete (USNM). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae).

120. *boysi* R. Turner

Cerceris boysi R. Turner, 1912e:805, ♀. Holotype: ♀, British India: no specific locality, probably Pakistan: North-West Province: no specific locality (OXUM). – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae).

121. *bracteata* Eversmann

Cerceris bracteata Eversmann, 1849:405, ♀. Holotype: ♀, Russia: "in promontoribus Uralensibus" [labeled Spasskoye, 120 km east of Orenburg] (Kraków). – Radoszkowski, 1870:104 (addition to Kirchner's catalog, 1867); Schletterer, 1887:434 (in revision of Palearctic *Cerceris*), 487 (in checklist of world *Cerceris*); Ed. André, 1889:289, 299, 303 (in revision of Sphecidae of Europe and Algeria), 22* (bibliographic references); F. Morawitz, 1889a:158 (China: Gansu, as *braccata*); Dalla Torre, 1897:454 (in catalog of world Hymenoptera); Mocsáry, 1897:80 (Kingdom of Hungary, Grebenácz is in today's Serbia); Schmiedeknecht, 1907:239, 243 (in key to Hymenoptera of Central Europe); Mercet, 1914:445 (recorded from Spain, determination probably erroneous); Kohl, 1913b:15 (Russia: Voronezh Oblast': Valuyki at 50°14'N 38°08'E); Zilahi Kiss, 1915:80 (Hungary: Hadad); Kohl, 1916:108 (holotype in O. Radoszkowski collection, Kraków); Schmiedeknecht, 1930:700, 703 (in keys to Hymenoptera of North and Central Europe); Vorontsovskiy, 1930:63 (Russia: Orenburg Oblast'); Zavadil, Šustera, and Bat'a, 1937:209 (in catalog of Sphecidae of Czechoslovakia); Giner Marí, 1941a:55 (in revision of Spanish *Cerceris*), 1943a:102 (in Sphecid Fauna of Spain); Šnoflák *in* Zavadil and Šnoflák, 1948:89, 95 (in key to Sphecidae of Czechoslovakia); Balthasar, 1954d:182 (Slovakia); Bajári, 1956a:84 (in catalog of Hungarian *Cerceris*, with list of localities); Ceballos, 1956:366 (in catalog of Hymenoptera of Spain); Bajári, 1957a:36, 43 (in key to Hungarian Sphecidae); de Beaumont, 1957d:334 (diagnostic characters); Balthasar, 1958:339 (Slovakia: Štúrovo); Pulawski, 1965c:570 (*Cerceris mirabilis* is a junior synonym); Scobiola-Palade, 1967b:41 (Romania), 1971:205 (in review of *Cerceris* of Romania); Balthasar, 1972:407 (in Sphecid Fauna of Czechoslovakia); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Kazenas, 1978b:63, 65 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1978:194, 195 (in key to Sphecidae of European part of USSR); Dollfuss, 1983b:24 (in catalog of Sphecidae of Austria); Islamov and Kazenas, 1983:44 (Uzbekistan); Kazenas, 1984a:119 (in revision of *Cerceris* of Kazakhstan and Central Asia); Józan, 1985b:62 (Hungary south of Lake Balaton), 85 (ecological and zoogeographic characteristics); Islamov, 1986:520 (Uzbekistan: Tashkent Oblast'); Józan, 1989:102 (Hungary: Tihany Nature Reserve); Pádr *in* Šedivy, 1989a:166 (in checklist of Czechoslovakian Sphecidae); Dollfuss, 1991:220 (in key to Sphecidae of North and Central Europe); Blagoveshchenskaya, 1994:92 (Russia: Ul'yanovsk Oblast'); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:326 (in Sphecid Fauna of Western Europe); Esenbekova and Kazenas, 2000:73 (southeastern Kazakhstan: no specific locality); Ljubomirov, 2000:13 (Bulgaria, specimens in N. Nedelkov collection); K. Schmidt, 2000:49 (in revision of Western Palearctic *Cerceris*); Józan, 2001:281 (Hungary: Somogy County); Kazenas, 2001b:54 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:113, 115 (in key to *Cerceris* of Kazakhstan and Central Asia); Kazenas and Esenbekova, 2001:136 (Kazakhstan: Almatinskiy Nature Reserve); Kazenas, 2002a:141 (geographic distribution, collecting localities in Kazakhstan); Gorobchishin, 2003:48 (Ukraine: Kiev: botanical garden); Kazenas, 2004b:111 (Kazakhstan: western Tien Shan); Shkuratov, 2004a:73 (Ukraine: Donetsk Oblast': Khomutovskaya Step' Nature Reserve); Yildirim and Ljubomirov, 2005:1802 (Turkey: Bingöl: Bilaloğlu; Erzurum: University Campus); Gorobchishin, 2006:148 (Ukraine: Kyiv: Botanical Garden); Kazenas, 2007a:93 (Kazakhstan: Akmala Oblast': Kurgandzhin Nature Reserve and vicinity); Vepřek and Straka, 2007:209 (in catalog of Sphecidae of Czech Republic and Slovakia, known from Slovakia only); Ljubomirov and Yildirim, 2008:133 (in catalog of Crabronidae of Turkey); Baghirov, 2010:679 (Russia: Altai Territories: village Kosh-Agach); Bitsch, 2010:118 (in supplement to vol. II of Faune de France, 1997:

recent record from Bulgaria reported); Rudoiskatel', 2010:149 (Russia: southern Ural Mountains); Baghirov, 2011b:154 (Russia: Altay Republic: Kosh-Agach); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Prisniy, 2012:52 (Russia: Belgorod Oblast'); Yildirim, 2012:78 (Turkey: Artvin, Bayburt, Erzurum, Iğdır, and Kars provinces); Kazenas, 2013a:138, 139 (color photograph of adult wasp, short information on geographic distribution); Pankov, 2013:231 (Russia: Ivanovo Oblast'); Kazenas, 2014a:139 (Kazakhstan: Karatau Mountain Range); Protsenko, Fateryga, and Ivanov, 2014:34 (Crimea: Karasevka in Belogorsk District); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:139 (in checklist of Hymenoptera of Turkey); Samin and Bagriacik, 2016:496 (Iran: West Azarbaijan Province: Khoy and Salmas); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:22 (Turkey: Erzurum Province); Danilov and Mokrousov, 2017b:253 (in catalog of Philanthinae of Russia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:77 (Iran: known from West Azerbaijan Province); Shorenko, 2017:80 (in Crimea collected in July); Dollfuss, 2018:1132 (locality records from Bulgaria, Hungary, Kazakhstan, Kyrgyzstan, Slovakia, Turkmenistan, and Uzbekistan); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:15 (Iran: known from West Azerbaijan Province); Akulov, Proshchalykin, and Mokrousov, 2020:46 (Russia: central Krasnoyarsk Kray); Danilov, Odintseva, and Odintsev, 2021:21 (Russia: previously recorded from Omsk Oblast'); Dollfuss, 2021a:937 (Turkey: Hakkari Province: Tanin: Tanis Pass), 2021c:584 (locality records from Azerbaijan, Hungary, Kazakhstan, Kyrgyzstan, Slovakia, Turkey, Turkmenistan, and Uzbekistan); Kaplan and Yildirim, 2021:93 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:9 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1689 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

Cerceris penicillata Mocsary, 1879:130, ♀, ♂. Syntypes: Hungary: Budapest (TMB). – Sajó, 1882:6 (Hungary); Kohl, 1916:120 (specimens in O. Radoszkowski collection, Kraków); Pulawski, 1965c:570 (synonymy confirmed); Haris, 2016:15 (in list of species described by S. Mocsáry from Carpathian Basin).

Cerceris mirabilis Shestakov, 1927a:17, ♀. Holotype: ♀, Russia: Orenburg (ZIN). Synonymized with *Cerceris bracteata* by Pulawski, 1965c:570. – Vorontsovskiy, 1928:44 (Russia: vicinity of Orenburg), 1930:64 (Russia: Orenburg Oblast').

122. *bradleyi* Scullen

Cerceris bradleyi Scullen, 1972:73, ♀. Holotype: ♀, Nicaragua: La Calera? (USNM). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); G. Ferguson, 1984c:473 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:58 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

123. *brandti* Krombein

Cerceris brandti Krombein, 1969b:17, ♂. Holotype: ♂, Papua New Guinea: New Ireland: Lelet Plateau in Schleinitz Mountains (Bishop Mus.). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae).

124. *brevibarbata* Tsuneki

Cerceris brevibarbata Tsuneki, 1976b:40, ♂. Holotype: ♂, Philippines: Tawi Tawi: Tarawakan (ZMUC). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:50 (in key to *Cerceris* of Philippines), 65 (bibliographic reference).

125. *brethesi* Fritz and Mariluis

Cerceris brethesi Fritz and Mariluis, 1979:34, ♀. Holotype: ♀, Brazil: Rio Grande do Sul: Pelotas (originally M. Fritz coll., now MACN). – Fritz, 1993:17 (holotype in M. Fritz coll.); Amarante, 2002:58 (in catalog of Neotropical Crabronidae).

126. *bridwelli* Scullen

Cerceris bridwelli Scullen, 1965b:361, ♀, ♂. Holotype: ♀, USA: California: Imperial County: no specific locality (USNM). – Scullen, 1972:19 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Grissell, 1975:40 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Krombein, 1979b:1730 (in catalog of North American Hymenoptera); Rust, Hanks, and Bechtel, 1983:406 (Nevada: Churchill County: Sand Mountain); G. Ferguson, 1984c:473 (listed); Amarante, 2002:58 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

127. *bucculata* A. Costa

Philanthus lunulatus Thunberg, 1815:137, sex not stated, possibly a bibliographic reference to *Crabro lunulatus* Rossi, 1792, possibly a junior secondary homonym of the latter in *Cerceris*. Holotype or syntypes: ♀, origin unknown (Uppsala). Synonymized with *Cerceris laminifera* by W. Schulz, 1912:70, and with *Cerceris bucculata* by de Beaumont, 1950c:320. – Thunberg, 1815a:128 (diagnostic characters), 1815b:289 (diagnostic characters); Dalla Torre, 1897:488 (in catalog of world Hymenoptera).

Cerceris bucculata A. Costa, 1860:11, ♀. Lectotype: ♀, Italy: vicinity of Napoli (Napoli), designated by de Beaumont, 1950c:325. – A. Costa, 1867c:83 (in revision of Italian Sphecidae); Kirchner, 1867:221 (in catalog of European Hymenoptera); A. Costa, 1869b:99 (in revision of Italian Philanthinae), A. Costa, 1882b:23 and 35 (Italy: Sardegna), 1883:57 (Italy: Sardegna: Alghero, Porto Torres, Simaxis); nec Schletterer, 1887:438 (= *Cerceris impercepta*); Schletterer, 1887:487 (in checklist of world *Cerceris*); nec Kohl, 1893a:34 (= *Cerceris somotorensis*); Dalla Torre, 1897:454 (in catalog of world Hymenoptera); Schmiedeknecht, 1907:240 (in key to Hymenoptera of Central Europe); nec Morice, 1911:88 (= *Cerceris escalerae*); Schmiedeknecht, 1930:700 (in keys to Hymenoptera of North and Central Europe); Šnoflák *in* Zavadil and Šnoflák, 1948:89 (in key to Sphecidae of Czechoslovakia, not yet found in Czechoslovakia); de Beaumont, 1954e:87 (Italy: Campania); Bajári, 1956b:405, 408 (not collected in Hungary for 70 years); de Beaumont, 1957d:335 (diagnostic characters), 1959a:15 (Italy: Lazio, Sicilia; description of ♂); Grandi, 1957:387 (Italy: Gargano); Balthasar, 1972:407 (in Sphecid Fauna of Czechoslovakia: may be expected in the country); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Dollfuss, 1983b:24 (records from Austria questionable); Pagliano, 1988:170 (in revision of Italian Philanthinae), 1990:96 (in catalog of Italian Sphecidae); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:327 (in Sphecid Fauna of Western Europe); K. Schmidt, 2000:51 (in revision of Western Palearctic *Cerceris*); Vicidomini, 2000b:22 (Italy: previously recorded from Campania); Pagliano and Negrisolo, 2005:322 (in Sphecid Fauna of Italy); Pagliano, 2009:183 (Italy: recorded from Lombardia by K. Schmidt, 2000); Bitsch, 2010:118 (in supplement to vol. II of Faune de France, 1997: recent record from Sicily reported); P. Rosa and Pagliano, 2015:98 (Italy: Lombardia and Piemonte: Parco del Ticino); X.-L. Li, Zhou, Xiong, Luo, and Zhu, 2021a:1959 (complete mitochondrial genome).

As *Cerceris laminifera*: Schletterer, 1887:439 (in revision of Palearctic *Cerceris*), corrected to *Cerceris bucculata* by de Beaumont, 1950c:320, 325, 1951b:177, 1957d:335; Dusmet y Alonso, 1915:87 (Spain: Aragón: Albarracin, Vera de Moncayo), present correction; Ceballos, 1956:369 (in catalog of Hymenoptera of Spain), present correction.

As *Cerceris bucculenta*: Ed. André, 1889:301 (in revision of Sphecidae of Europe and Algeria), 22* (bibliographic references), emendation of or lapsus for *Cerceris bucculata*; Mocsáry, 1897:80 (occurring in Hungary according to Schletterer, 1887).

128. *bulawayoensis* Brauns

Cerceris bulawayoensis Brauns, 1926:281, ♀, ♂. Lectotype: ♀, Zimbabwe: BSulawayo (SAM), designated by Empey, 1983:166. – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:138, 145 (in key to

Afrotropical *Cerceris*); Empey, 1969a 303 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Empey, 1983:166 (bibliographic reference, type examined); Dollfuss, 2020a:95 (Namibia: 20 km southwest of Rundu at 18°03'07"S 19°37'52"E).

129. *bulganensis* Tsuneki

Cerceris fulviventris Tsuneki, 1961l:427, ♂, junior primary homonym of *Cerceris fulviventris* Guérin-Méneville, 1844. Holotype: ♂, Mongolia: Hovd Aymag: Somon Bulgan (TMB).

Cerceris bulganensis Tsuneki, 1971m:37. Substitute name for *Cerceris fulviventris* Tsuneki, 1961l, nec Guérin-Méneville, 1845. – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae).

130. *bupresticida* Dufour

Cerceris bupresticida Dufour, 1841c:353, ♀, ♂. Syntypes: France: Landes: Saint Séver; and Spain: no specific locality (MNHN). – Dahlbom, 1845:498 (in key to world *Cerceris*); F. Smith, 1856:438 (in catalog of Hymenoptera in British Museum); A. Costa, 1863:66 (Italy: Calabria Ulteriore: Brancaleone); Kirchner, 1867:221 (in catalog of European Hymenoptera); A. Costa, 1867c:93 and 1869b:109 (in revision of Italian Sphecidae), 1872a:27 (Italy: in revision of Sphecidae of Kingdom of Naples); Dours, 1874:144 (in catalog of Hymenoptera of France); Kohl, 1880:154 (Italy: Trentino–Alto Adige), 226 (list of buprestid prey); Marquet, 1875:205 (France: Hérault: Montpellier); Girard, 1879:920 (morphology and habits); Marquet, 1881:190 (France: Hérault: Béziers, description of ♂); Schletterer, 1887:397 (in revision of Palearctic *Cerceris*), 487 (in checklist of world *Cerceris*); Ed. André, 1889:269 (in revision of Sphecidae of Europe and Algeria); Gasperini, 1889:69 (Dalmatia: Lesina and Spalato, now Croatia: Hvar and Split); Schletterer, 1889b:1126 (Armenia: Arax Valley); Steck, 1890:168, 170 (in key to *Cerceris* of Switzerland); Ed. André, 1891:28* (bibliographic references); F. Morawitz, 1891a:215 (Russia: Astrakhan' Governorate), 1893b:420 (Tajikistan: Varzaminor); Baldini, 1894:59 (Italy: Modena area); Medina, 1894b:263 (Spain: Sevilla, Pozuelo de Calatrava); F. Morawitz, 1894:351 (Turkmenistan: Koshlagar); Nicolas, 1894:39 (preying on variety of buprestids); Schletterer, 1894:33 (Istria Peninsula, now part of Croatia, Slovenia, and Italy); Laboulbène, 1895:180 (preying on Buprestidae); O. Schultz, 1896:361 (L. Dufour's observation reported); Borries, 1897:51 (review of nesting habits); Dalla Torre, 1897:454 (in catalog of world Hymenoptera); Mocsáry, 1897:80 (Kingdom of Hungary, localities are in today's Croatia and Romania); de Cobelli, 1903:110 (Italy: Province of Trentino: Levico); Adlerz, 1904:138 (known prey: Buprestidae); Antiga and Bofill, 1904:20 (Spain: Cataluña Province); E. Saunders, 1904c:638 (Spain); W. Schulz, 1904b:93 (Greece: Epirus; Kazakhstan: Semipalatinsk, now Semey); Móczár and Henter, 1907:205 (Romania: Caraş-Severin: Mehadia); Schmiedeknecht, 1907:237, 242 (in key to Hymenoptera of Central Europe); de Gaulle, 1908:104 (in catalog of French Hymenoptera); Morice, 1911:77 (Algeria: Biskra, Le Tarf); Rudow, 1912:67 (preying on buprestids); Mercet, 1914:445 (recorded from Spain); Szilády, 1914:89 (Hungary: Torda); Zilahi Kiss, 1915:80 (Hungary: Hadad); Zavattari, 1915:2 (Italy: Abruzzi: Vallata del Sangro); Drenowski, 1936:247 (Bulgaria); Yasumatsu, 1942c:114 (China: Nei Mongol: Apaka at 44°N 114.96°E); Shestakov, 1916b:230 (Caucasus), 1917c:46 (Ukraine: Crimea), 1918a:125 (Transcaspia; synonymy), 146 and 148 (synonymy); Honoré, 1919:268 (France: Seine-et-Oise: Bouray); Morice, 1921:288 (Iraq: Baquba); Berland, 1925:56 (in Sphecid Fauna of France); Coulon, 1925:117 (France: Marseille; list of prey); Friese, 1926:154 (in key to Sphecidae of Central Europe, short morphological and biological characteristics, list of prey); von Schulthess, 1926b:211 (Tunisia); Shestakov, 1927a:17 (Russia: Orenburg Oblast'), 19 (Stalingrad Oblast', now Volgograd Oblast'), 19, 20 (Russia: Ural'sk Oblast', now Kazakhstan: Oral); Berland, 1928b:176 (add Picard, 1928 to bibliography in Berland, 1925d); Picard, 1928:310 (list of prey); Shestakov, 1928:266 (study of syntypes); Vorontsovskiy, 1928:44 (Russia: vicinity of Orenburg); Schmiedeknecht, 1930:698, 703 (in keys to Hymenoptera of North and Central Europe); Vorontsovskiy, 1930:66 (Russia: Orenburg Oblast'); Bernard, 1933:62 (France: Drôme: Dieulefit); Shestakov *in* Nadig, 1933:97 (Morocco: Asni, Marrakech); Giner Marí, 1934:131 (Spain); Grandi, 1934:129 (Italy: Lazio:

Acilia, and Toscana: San Vincenzo); Bernard, 1935:62 (France: Var: Fréjus area); Gussakovskij, 1935:445 (Tajikistan: Kulab area); Kolosov, 1937:218 (Ukraine: Kupyansk); Giner Marí, 1941a:40 (in revision of Spanish *Cerceris*), 1941b:217 (in revision of North African *Cerceris*); Yasumatsu, 1942c:108 (China: Nei Mongol: Apaka at 44°N 114.96°E); Giner Marí, 1943a:98 (in Sphecid Fauna of Spain); Giordani Soika, 1944:12 (Italy: Sicilia: Falcone, Messina); Guiglia, 1944b:13 (Italy); Giner Marí, 1945a:248 (Greece: Island of Rhodes; Liban), 1945b:359 (Morocco: Ain Zorah); Šnoflák *in* Zavadil and Šnoflák, 1948:90, 95 (in key to Sphecidae of Czechoslovakia, not yet found in Czechoslovakia); de Andrade, 1949:11 (Portugal); Balthasar, 1950:37 (additions to description of Zavadil and Šnoflák, 1948); de Beaumont, 1950c:324 (study of syntypes), 1950d:8 (Egypt: Siwa oasis), 1950f:397 (Algeria), 1951f:337 (North Africa; geographic variation), 1952a:52 (in revision of *Cerceris* of France), 1953g:122 (Morocco); Balthasar, 1954b:280 (Palestine: Jerusalem); de Beaumont, 1954e:87 (Italy); Grandi, 1954:236 (Italy); Vogrin, 1955:32 (Yugoslavia); Bajári, 1956a:81 (in catalog of Hungarian *Cerceris*, with list of localities); Bytinski-Salz, 1956:225 (Turkey: Acı Gol, Beykoz, Elmalı); Ceballos, 1956:367 (in catalog of Hymenoptera of Spain); de Beaumont, 1956a:186 (Libya); Morel, Nouvel, and Ribaut, 1956:337 (France: Département des Pyrénées-Orientales); Bajári, 1957a:30, 39 (in key to Hungarian Sphecidae, not yet found in Hungary); de Beaumont, 1957b:132 (northern Iran); Grandi, 1957:388 (Italy); de Beaumont, 1958d:272 (Greece); Nouvel and Ribaut, 1958:9 (France: Pyrénées-Orientales: Banyuls-sur-Mer area); Pulawski, 1958a:166 (Bulgaria: Kurilo, Sandanski, Varna); Ceballos, 1959:229 (in supplement to catalog of Spanish Sphecidae); de Beaumont, 1959a:14 (Italy); de Beaumont and Bytinski-Salz, 1959:122 (Israel); Suárez, 1959:54 (Spain: Almería Province); Tsuneki, 1961c:10, 16 (in key to *Cerceris* of northeastern Asia), 49 (China: Peking, now Beijing); de Beaumont, 1962b:21 (Spain), 1963c:417 (Afghanistan); Ceballos, 1964:88 (in supplement to catalog of Spanish Sphecidae); de Beaumont, 1965a:19 (Greece); Derwesh, 1965:69 (Iraq: no specific locality); Roberti, Frilli, and Pizzaghi, 1965:109 (Italy: Emilia-Romagna: Marsaglia in Piacenza Province); Tsuneki, 1965d:3 (prey record summary: Buprestidae), 33 (nesting habits); Diniz, 1966:7 (Portugal: Aljustrel, Cascais, Coimbra, Lisboa, Rezende); de Beaumont, 1967a:284 (Turkey); Scobiola-Palade, 1967b:40 (Romania); de Beaumont, 1969:82 (Turkey), 1970c:7 (Iran: Khorassan); Kazenas, 1971:161 (Kazakhstan: Zailiyskiy Alatau Range; widely distributed in Kazakhstan); Scobiola-Palade, 1971:204 (in review of *Cerceris* of Romania); Tsuneki, 1971l:430 (Mongolia), 1971m:16 (China: Beijing: Tiendang); Balthasar, 1972:401 (in Sphecid Fauna of Czechoslovakia: may be expected in the country); Kazenas, 1972b:126 (Kazakhstan); Erlandsson, 1974:62 (Spain); Kazenas, 1974b:109 (feeding on flowers of *Tamarix* sp., Tamaricaceae, in Kazakhstan), 110 (feeding on flowers of *Statice gmelini* Willd., Plumbaginaceae, *Cynanchum sibiricum* Willd., Asclepiadaceae, *Euphorbia* spp., Euphorbiaceae, and *Nitraria schoberi* L., Zygophyllaceae, in Kazakhstan); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Guichard, 1978:270 (Greece); Kazenas, 1978b:58 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1978:190, 192 (in key to Sphecidae of European part of USSR); Benedek, 1979:229 (Hungary: Bakony Hills); Kazenas, 1979d:84, 87 (in key to *Cerceris* of Russian Far East); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); Mityaev, Matesova, Kulenova, Kazenas, and Zhdanko, 1980:121 (Russia: Siberia: Altayskiy Kray: basin of Aley River); Pagliano, 1980:125 (Italy: Piemonte); Gayubo, 1982b:53 (Spain: Ávila, Cáceres, and Salamanca provinces), 1982e:109 (Spain: Cádiz Province), 1983e:237 (Spain: Salamanca Province); Kazenas, 1984a:72 (in revision of *Cerceris* of Kazakhstan and Central Asia); Gayubo, 1986a:66 (Spain: Ciudad Real Province), 1986d:122 (Spain: Zamora Province); Gayubo and Heras, 1986:71 (Spain: Segovia Province; floral records); Gayubo and Sanza, 1986:85 (Spain: Burgos); Piek and Spanjer, 1986:181 (in list of Sphecidae with known prey); Pagliano, 1987:160 and 165 (in key to *Cerceris* of Italy), 1988:154 (in revisionof Italian Philanthinae); Gayubo, Asís, and Tormos, 1990b:80 (Spain: Almería, Cáceres, and Zamora Provinces); Pagliano, 1990:96 (in catalog of Italian Sphecidae); Dollfuss, 1991:220 (in key to Sphecidae of North and Central Europe); Gayubo, Borsato, and Osella, 1991:420 (Italy:

Veneto: Montello); Gayubo and Torres, 1991:Table I (Spain: Salamanca; effects of urban pressure); Guichard, 1991a:339 (Jordan); Gorobchishin, 1993:47 (Ukraine: Kanev Nature Reserve); Blagoveshchenskaya, 1994:91 (Russia: Ul'yanovsk Oblast'); Gayubo and Borsato, 1994:220 (Italy: Toscana); Tormos, Asís, and Gayubo, 1994:190, 226 (Spain: Albacete Province); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:472, 477 (in key to Sphecidae of Russian Far East); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Scharrer, 1995:30 (Croatia: Island of Krk); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:328 (in Sphecid Fauna of Western Europe); Nazarova and Shomirsaidov, 1997:24 (Tajikistan: fruit tree orchards in Vakhsh River valley); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Pagliano and Scaramozzino, 1999:159 (Italy: Piemonte: Borgomale); Tüzün, Gülmez, and Bağriaçik, 1999:386 (Turkey: Aegean Region); Esenbekova and Kazenas, 2000:73 (southeastern Kazakhstan: eight localities); Giachino, Grosso, Marchetti, Pagliano, Scaramozzino, and Vailati, 2000:110 (Greece); K. Schmidt, 2000:91 (in revision of Western Palearctic *Cerceris*); Vicidomini, 2000b:23 (Italy: previously recorded from Campania); Hanot, 2001:659 (France: Ardèche: Chauzon, list of buprestid prey); Kazenas, 2001b:54 (in checklist of Sphecidae of Kazakhstan and Central Asia), 250 (review of known biology), 2001d:110, 111 (in key to *Cerceris* of Kazakhstan and Central Asia); Tüzün, 2001:44 (Turkey); Kazenas, 2002a:141 (geographic distribution, collecting localities in Kazakhstan); Shkuratov, 2002b:139 (Russia: Rostov Oblast': Rostovskiy Nature Reserve at 46°27'N 42°41'E); Drewes, 2003:134 (Spain: Tarragona); Kazenas, 2004b:111 (Kazakhstan: western Tien Shan), 2004d:36 (Kazakhstan: northern Caspian region); Nazarova, 2004:108 (Tajikistan: Badakhshan Region: village Langar in Shakhdara River valley; Rushan District: villages Dasht and Visav in Bartang River valley); Shkuratov, 2004a:73 (Russia: Rostov Oblast'); Jacobs, 2005a:441 (Bulgaria: Sandanski); Nazarova, 2005:94 (alfalfa fields in southwestern Tajikistan); Pagliano and Negrisolo, 2005:331 (in Sphecid Fauna of Italy); Shorenko, 2005b:99 (Ukraine: Crimea: Karadagh Nature Reserve); Yildirim and Ljubomirov, 2005:1802 (Turkey: Balıkesir, Bilecik, Erzurum, Iğdir, Kahramanmaraş, Kars, Konya, Malatya, and Niğde provinces); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Ljubomirov, 2006:537 (Bulgaria: Rhodope Mountains: Peshtera, as *bupresticida bupresticida*); Standfuss and Standfuss, 2006b:100 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Kazenas, 2007a:93 (Kazakhstan: Akmala Oblast': Kurgandzhin Nature Reserve and vicinity); Vicidomini and Pignataro, 2007:2 (Italy: Salerno: known from Parco Nazionale del Cilento e Vallo di Diano), 15 (Italy: Provincia di Salerno: San Severino di Centola); Yildirim and Ljubomirov, 2007:119 (Turkey: Erzurum: Çat; İçel: Aydıncık); Gayubo, González, Tormos, and Asís, 2008:140 (Spain: Salamanca: Parque Natural de Las Batuecas – Sierra de Francia); Kazenas, 2008c:255 (Kazakhstan: village Koktum south of Lake Alakol'); Ljubomirov and Yildirim, 2008:133 (in catalog of Crabronidae of Turkey); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); González, Gayubo, Asís, and Tormos, 2009:625 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park); Nemkov, 2009b:146 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia); Shorenko, 2009:369 (in list of Sphecidae *sensu lato* of Crimea); Bitsch, 2010:118 (in supplement to vol. II of Faune de France, 1997: list of buprestid prey by Hanot, 2001, reported); Burguet *in* Durand and Burguet, 2010:41 (France Département d'Ardèche: Ardèche Gorges); Rudoiskatel', 2010:148 (Russia: southern Ural Mountains); Baghirov, 2011b:154 (Russia: recorded from Altayskiy Kray by Kazenas, Mityaev, Matesova, Kulenova, and Zhdanko, 1979); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Kazenas, 2012b:170 (Kazakhstan: Korgalzhin State Nature Reserve); Polidori, García, and Nieves-Aldrey, 2012:280 (study of female antennal sensillae); Strumia, Pagliano, and Gayubo, 2012:56 (Italy: Toscana: Riserva di San Rossore); Yildirim, 2012:78 (Turkey: Erzurum and Adana provinces); Kazenas, 2013a:139, 140 (color photographs of adult wasps, short information on geographic distribution and nesting habits), 2013b:499 (southeastern Kazakhstan: Ili River valley, Kurtogay on Sharyn River, Temerlik River); X. Li, L. Ma, and Q. Li, 2013:589 (China: Nei Mongol: Helan Mountains); Dunford, Turbyville, and Leavengood, 2014:9

(listed as medically important in Afghanistan); Józan, 2014:133 (Croatia: Meka Draga: Kruševo); Kazenas, 2014a:139 (Kazakhstan: Karatau Mountain Range); Pagliano, 2014:110, 111 (specimens in M. Spinola collection, Torino, are *Cerceris bupresticida*); Protsenko, Fateryga, and Ivanov, 2014:34 (Crimea: several localities); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Rezaei and Fallahzadeh, 2015:13 (Iran: Fars: Dalin at 30°03′N 52°07′E); P. Rosa and Pagliano, 2015:98 (Italy: Lombardia and Piemonte: Parco del Ticino); Sadeghi, Fallahzadeh, Ostovan, Ljubomirov, and Hesami, 2016:431 (Iran: Fars Province); Wiesbauer, 2016c (Croatia: Omiš; prey: nine buprestid species of various subfamilies); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:22 (Turkey: Erzurum and Tunceli provinces, as *bupresticida bupresticida*); Arens, 2017a:643 (Greece: Peloponnesus); Augul, 2017:198 (in key to four *Cerceris* collected in Iraq; Iraq: Dohuk Province: Amadiya; Erbil Province: Rawanduz), 202 (color photographs); Danilov and Mokrousov, 2017b:253 (in catalog of Philanthinae of Russia); Gülmez and Can, 2017:82 (Turkey: Erzincan Province); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:77 (Iran: known from Ardabil, Fars, Mazandaran, Qazvin, South Khorasan, and Tehran provinces); Magdalou, 2017:14 (France: Pyrénées-Orientales: Réserves Naturelles Catalanes: Mas Larrieu); Shorenko, 2017:80 (in Crimea collected in June and July); Dollfuss, 2018:1133 (locality records from Algeria, Bulgaria, China, Croatia, Greece, Iran, Israel, Italy, Jordan, Kazakhstan, Kyrgyzstan, Mongolia, Montenegro, Morocco, Portugal, Russia: Astrakhan', Serbia, Spain, Syria, Tajikistan, Tunisia, Turkey, Turkmenistan, and Uzbekistan); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); Yildirim and Tezcan, 2018:1708 (Turkey: Ízmir: Menemen); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:8 (Azerbaijan: Nakhichevan Autonomous Republic); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:15 (Iran: known from Ardabil, East Azerbaijan, Fars, Golestan, Mazandaran, Qazvin, South Khorasan, and Tehran provinces, as *bupresticida bupresticida*); Ben Khedher, Yildirime, and Braham, 2020c:534 (Tunisia: summary of previous records, new locality records from Béja, Jendouba, Kairoan, Kasserine, Kebile, Le Kef, Mahdia, Nabeul, Sidi Bouzid, Sousse, and Tataouine provinces); Örgel, Anlaş, and Tezcan, 2020:639 (Turkey: Manisa Province); Shorenko, 2020:49 (Crimea: Karadag Nature Reserve); Cross, Baldock, and Wood, 2021:64 (in catalog of Sphecidae *sensu lato* of Portugal); Dollfuss, 2021a:937(locality records from Bulgaria, Croatia, Italy, Serbia, and Turkmenistan), 2021c:585 (locality records from Bulgaria, China, Croatia, Greece, Iran, Israel, Italy, Kazakhstan, Kyrgyzstan, Mongolia, Morocco, Syria, Tajikistan, Tunisia, Turkey, Turkmenistan, and Uzbekistan); Cross, 2022:136 (in Portugal: Algarve: Pêra preying on buprestid *Cyphosoma lausoniae* (Chevrolat)); Kaplan and Yildirim, 2021:93 (in catalog of Crabronidae of Turkey); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:238 (in revision of Sphecidae *sensu lato* of Europe); Malash, Edmardash, and Gadallah, 2022:9 (in catalog of Middle Eastern and North African Philanthinae); Embergenov, Akhmedov, and Medetov, 2023:26 (Uzbekistan: southern Lake Aral region); Kaplan and Yildirim, 2023:1689 (in checklist of Sphecidae *sensu lato* of Turkey); Malash Edmardash, and Gadallah, 2024a:4 (in key to Western Palearctic members of *Cerceris bupresticida* species group), 8 (in revision of Western Palearctic members of *Cerceris bupresticida* species group); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

Cerceris cristata Dufour, 1841a:510 and 1841b:246, sex not stated. Syntypes: France: Landes: Saint-Séver (depository?). Synonymized with *Cerceris bupresticida* by …. – Dufour, 1841a:509 and 1841b:245 (digestive tract), 1841a:511 and 1841b:247 (male reproductive system), 1841a:512 and 1841b:248 (female reproductive system); Lepeletier de Saint Fargeau, 1845:27 (name used formerly by Dufour for *Cerceris argentifrons*).

Cerceris argentifrons Lepeletier de Saint Fargeau, 1845:25, ♀, ♂, junior primary homonym of *Cerceris argentifrons* Guérin-Méneville, 1844. Syntypes: France: Landes: Saint-Séver (MNHN). Synonymized with *Cer-*

ceris bupresticida by de Beaumont, 1950c:323. – Belke, 1853:433 (Ukraine: Kamieniec Podolski, as *argontifrons*); Radoszkowski, 1870:104 (addition to Kirchner's catalog, 1867); Schletterer, 1887:419 (as synonym of *Cerceris rubida*); Acloque, 1897:81 (in Sphecid Fauna of France and Algeria).

Cerceris frontalis F. Smith, 1856:438. Substitute name for *Cerceris argentifrons* Lepeletier de Saint Fargeau, 1845, nec Guérin-Méneville, 1844.

Cerceris brutia A. Costa, 1867c:93, ♀. Holotype or syntypes: ♀, Italy: Calabria: Brancaleone (lost). Synonymized with *Cerceris bupresticida* by de Beaumont, 1950c:326. – A. Costa, 1872a:39 (in revision of Sphecidae of Kingdom of Naples, Italy); De Stefani Perez, 1884b:201 (Costa's description copied; description of ♂); Schletterer, 1887:465 (original description copied), 487 (in checklist of world *Cerceris*); Ed. André, 1889:300 (in revision of Sphecidae of Europe and Algeria), 22* (bibliographic references); De Stefani Perez, 1895:227 (in catalog of Sicilian Hymenoptera); Dalla Torre, 1897:454 (in catalog of world Hymenoptera).

Cerceris brutia A. Costa, 1869b:109. Objective synonym of *Cerceris brutia* A. Costa, 1867c:93

Cereris mixta Radoszkowski, 1877:58, ♂. Syntypes: ♂, Uzbekistan: Zeravshan valley, Djisak, Sokha river; Kyrgyzstan: Gulcha (ZMMU). Synonymized with *Cerceris bupresticida* by Kohl, 1916:119 and Shestakov, 1918a:146. – Schletterer, 1887:474 (original description copied), 497 (in checklist of world *Cerceris*); Ed. André, 1889:338, and 1891:30* (unrecognizable species); Dalla Torre, 1897:467 (in catalog of world Hymenoptera); Kohl, 1916:118 (specimens in O. Radoszkowski collection, Kraków).

Cerceris quadripunctata Radoszkowski, 1877:58, ♀. Syntypes: ♀, Kyrgyzstan: Gulcha (ZMMU). Synonymized with *Cerceris bupresticida* by Shestakov, 1918a:148. – Schletterer, 1887:477 (original description copied), 500 (in checklist of world *Cerceris*); Ed. André, 1889:339, and 1891:30* (unrecognizable species); Dalla Torre, 1897:472 (in catalog of world Hymenoptera).

Cerceris bupresticida var. *nigrina* Giner Marí, 1941a:42, sex not stated. Syntypes: Spain: no specific locality (MNCN). Synonymized with *Cerceris bupresticida* by K. Schmidt, 2000:91. – **As *Cerceris bupresticida nigrina*:** R. Bohart and Menke, 1976:578 (new status, in checklist of world Sphecidae).

As *Cerceris ornata*: Fabre, 1854:… (nesting habits), corrected to *Cerceris bupresticida* by Dufour, 1855:262.

Le Cerceris bupresticide: Fabre, 1879:39 (nesting habits, list of prey).

ssp. *libyca* de Beaumont

Cerceris bupresticida libyca de Beaumont, 1960b:232, ♀. Holotype: ♀, Libya: Cyrenaica: Bersis (BMNH). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); K. Schmidt, 2000:92 (in revision of Western Palearctic *Cerceris*); Roche, 2007a:133 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Malash, Edmardash, and Gadallah, 2022:10 (in catalog of Middle Eastern and North African Philanthinae), 2024a:8 (in revision of Western Palearctic members of *Cerceris bupresticida* species group).

131. *butleri* Scullen

Cerceris butleri Scullen, 1965b:363, ♀. Holotype: ♀, USA: Arizona: 30 mi. south of Safford (USNM). – Scullen, 1972:20 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Krombein, 1979b:1730 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:473 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:58 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

132. *cacaloapana* Scullen

Cerceris cacaloapana Scullen, 1972:74, ♀. Holotype: ♀, Mexico: Puebla: Cacaloapán 17 mi. northwest of Puebla (UCD). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); G. Ferguson, 1984c:473 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:58 (in catalog of Neotropical

Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

133. *caelebs* Giner Marí

Cerceris caelebs Giner Marí, 1942b:133, ♀, ♂. Syntypes: China: Kuatun (Mus. A. Koenig, Bonn). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Lampe, Rohwedder, Ingrisch, and Rach, 2010:115 (type material in Mus. A. Koenig, Bonn); X. Li and L. Ma, 2016:3016 (in key to *Cerceris inara* species group of China).

134. *caiman* Fritz and Mariluis

Cerceris caiman Fritz and Mariluis, 1976:100, ♀. Holotype: ♀, Argentina: Jujuy: Caimancito (originally M. Fritz coll., now MACN). – Fritz and Mariluis, 1976:96 (in key to *Cerceris spathulifera* species group); Fritz, 1993:17 (holotype in M. Fritz coll.); Amarante, 2002:58 (in catalog of Neotropical Crabronidae), 2005a:12 (correction to his 2002 catalog).

135. *calida* R. Turner

Cerceris calida R. Turner, 1915a:62, ♀, ♂. Syntypes: Australia: Queensland: Kuranda (BMNH). – Cockerell, 1930:34 (Queensland: Babinda, comments on morphology); Tsuneki, 1968e:5 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Evans, 1982a:358 (in revision of Eastern Australian *Cerceris*); Cardale, 1985:297 (in catalog of Australian Sphecidae); Evans and Hook, 1986a:293 (nest structure), 1986b:1301 (prey: Chrysomelidae); Evans, 1988:8 (nesting habits; prey: four families of beetles); Naumann, 1993:186 (Australia: Queensland: Heathlands area in Cape York).

136. *californica* Cresson

Cerceris californica Cresson, 1865c:128, ♂. Holotype: ♂, USA: California: no specific locality (ANSP). – Packard, 1866:60 (in key to North American *Cerceris*), 63 (bibliographic reference, geographic distribution); Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:487 (in checklist of world *Cerceris*); Dalla Torre, 1897:454 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Cresson, 1916:99 (holotype in ANSP); Rohwer, 1917a:244 (California: Calaveras County); Banks, 1947:20 (in revision of eastern U.S. *Cerceris*); Scullen in Muesebeck et al., 1951:1006 (in catalog of North American Hymenoptera); Linsley and MacSwain, 1956:71 (nest and prey); Spencer, 1957:23 (Canada: British Columbia: Kamloops); Krombein, 1958f:197 (in supplement to catalog of North American Hymenoptera: prey: many species of Buprestidae); Scullen, 1965b:401 (in revision of North American *Cerceris*, as *californica californica*); Tsuneki, 1965d:3 (prey record summary: Buprestidae); Horning and Barr, 1970:106 (USA: Idaho: Craters of the Moon National Monument); Scullen and Wold, 1970:210 (distribution and summary of prey records); Scullen, 1972:38 (in revision of Mexican and Central American species, as *californica californica*); R. Bohart and Grissell, 1975:41 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Evans and Rubink, 1978:62 (nesting habits); Krombein, 1979b:1730 (in catalog of North American Hymenoptera, list of parasites and prey); Rust, Hanks, and Bechtel, 1983:406 (Nevada: Churchill County: Sand Mountain); G. Ferguson, 1984c:473 (in annotated list of North American and Caribbean Cerceris); Radović, 1985:66 (sting apparatus analyzed); Piek and Spanjer, 1986:181 (in list of Sphecidae with known prey); Steiner, 1986:113 (references to publications on nesting habits); Hook, 1987:96 (nesting habits); S. Frommer, 1988:93 (California: Riverside County: Deep Canyon); Spofford, Kurczewski, and Downes, 1989:255, 256, 258 (references to publications on nest parasites *Amobia floridensis* (Townsend), *Metopia argyrocephala* (Meigen), *Senotainia* sp. aff. *rubriventris* Macquart, and *Senotainia trilineata* (Wulp), miltogrammine flies); Melo, 2000:100 (female associations for use of natal nest); Amarante, 2002:58 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Ohl and Linde, 2003:151 (number of ovarioles); J. Davidson, 2003:13 (preying on buprestid *Acmaeodera maculifera* Horn); Ruíz Cancino, Coronado Blanco, and Horta Vega,

2005:170 (Mexico: recorded from Tamaulipas State, as *californica californica*); Horta Vega, Pinson Domínguez, Barrientos Lozano, and Correa Sandoval, 2007: 45 (Mexico: Tamaulipas, as *californica californica*); Horta-Vega, Vanoye-Eligio, García-Gutiérrez, Coronado-Blanco, and Barrientos-Lozano, 2013:382 (Mexico: Tamaulipas: Ciudad Victoria: Cañón del Novillo, as *californica califonica*); Looney, Hellman, and Westcott, 2014:83 (list of bupretid prey; from Spencer, 1957, Scullen, 1965, and Krombein, 1979); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: British Columbia, first records from Alberta and Saskatchewean: no specific locality).

? *Cerceris texensis* de Saussure, 1867:89, ♀. Holotype or syntypes: ♀, USA: Texas: no specific locality (NHMW or MHNG). Tentatively synonymized with *Cerceris californica* by G. Ferguson, 1984c:473. – Schletterer, 1887:504 (in checklist of world *Cerceris*); Dalla Torre, 1897:478 (in catalog of world Hymenoptera); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010 (in catalog of North American Hymenoptera); Scullen, 1961:47 (as new synonym of *Cerceris frontata*); Amarante, 2005a:12 (correction to his 2002 catalog).

Cerceris ferruginior Viereck and Cockerell, 1904b:134, ♂. Holotype: ♂, USA: New Mexico: Deming (ANSP). Synonymized with *Cerceris californica* by Scullen, 1960:75. – Snow, 1906:9 (Arizona); Johnson and Ledig, 1918:24 (California: Claremont); Cresson, 1928:49 (holotype in ANSP); Banks, 1947:25 (in revision of eastern U.S. *Cerceris*, as *ferruginor*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1007 (in catalog of North American Hymenoptera).

Cerceris garciana Viereck and Cockerell, 1904b:135, ♂. Holotype: ♂, USA: New Mexico: Las Cruces (ANSP). Synonymized with *Cerceris californica* by Scullen, 1960:75. – Cresson, 1928:49 (holotype in ANSP); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1008 (in catalog of North American Hymenoptera).

Cerceris populorum Viereck and Cockerell, 1904b:135, ♂. Lectotype: ♂, USA: New Mexico: Albuquerque (ANSP), designated by Cresson, 1928:49. Synonymized with *Cerceris californica* by Scullen, 1960:75. – Cresson, 1928:49 (holotype in ANSP); Banks, 1947:25 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1009 (in catalog of North American Hymenoptera).

Cerceris argyrotricha Rohwer, 1908e:324, ♀. Holotype or syntypes: ♀, USA: New Mexico: Las Cruces (USNM). Synonymized with *Cerceris californica arno* by Scullen, 1965b:404, and with *Cerceris californica* by R. Bohart and Grissell, 1975:41. – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1005 (in catalog of North American Hymenoptera); Tsuneki, 1965d:3 (prey record summary: Buprestidae); Krombein, 1967:414 (synonymy with *californica* recorded). – **As *Cerceris californica argyrotricha***: Scullen, 1972:39 (new status, revision), 1972:39 (in revision of Mexican and Central American species, as *californica argyrotrichia* [sic]); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae, as *californica argyrotrichia*).

Cerceris cognata Mickel, 1916:408, ♀. Holotype: ♀, USA: Wyoming: Worland (UNL). Synonymized with *Cerceris calitfornica* by Scullen, 1960:75. – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1006 (in catalog of North American Hymenopera); Muma, 1952:17 (holotype in UNL).

Cerceris denticularis Banks, 1917:113, ♀, ♂. Holotype: ♀, USA: Oregon: Umatilla (MCZ); designation of lectotype by G. Ferguson, 1983b:228, was unnecessary. Synonymized with *Cerceris californica* by Scullen, 1960:75. – Banks, 1947:20 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1007 (in catalog of North American Hymenoptera).

Cerceris interjecta Banks, 1919:84, ♂. Holotype: ♂, USA: Utah: Lake Point (MCZ). Synonymized with *Cerceris populorum* by Scullen *in* Muesebeck, Krombein, and Townes, 1951:1009 (in catalog of North American Hymenoptera). – G. Ferguson, 1983b:226 (study of holotype).

Cerceris arno Banks, 1947:19, ♀. Holotype: ♀, USA: California: mountains near Claremont (MCZ); designation of lectotype by G. Ferguson, 1983b:225, was unnecessary. Synonymized with *Cerceris californica* by Scullen, 1960:75, R. Bohart and Grissell, 1975:41, and R. Bohart *in* R. Bohart and Menke, 1976:578. – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1005 (in catalog of North American Hymenoptera). – **As**

Cerceris californica arno: Scullen, 1965b:404 (new stutas, in revision of North American *Cerceris*), 1972:39 (as synonym of *Cerceris californica argyrotricha*).

Cerceris calodera Banks, 1947:22, ♂. Holotype: ♂, USA: California: San Diego: Jacumba (MCZ). Synonymized with *Cerceris californica* by Scullen, 1961:46. – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1006 (in catalog of North American Hymenoptera); G. Ferguson, 1983b:226 (study of holotype)

Cerceris illota Banks, 1947:23, ♂. Holotype: ♂, USA: Arizona: Tucson (MCZ); designation of lectotype by G. Ferguson, 1983:230, was unnecessary. Synonymized with *Cerceris californica* by Scullen, 1960:75. – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1008 (in catalog of North American Hymenoptera).

137. *callani* Krombein

Cerceris callani Krombein, 1972a:435, ♀. Holotype: ♀, Trinidad: Talparo (USNM). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Fritz and Mariluis, 1976: 96 (in key to *Cerceris spathulifera* species group), 112 (in revision of *Cerceris spathulifera* species group); Callan, 1990d:195 (nest and prey), 1991a:12 (Trinidad); Amarante, 2002:58 (in catalog of Neotropical Crabronidae); Starr and Hook, 2003:21 (in catalog of Aculeata of Trinidad, West Indies).

138. *calochorti* Rohwer

Cerceris calochorti Rohwer, 1908e:322, ♀. Holotype or syntypes: ♀, USA: Colorado: Boulder (USNM). – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1006 (in catalog of North American Hymenoptera); Scullen, 1965b:468 (in revision of North American *Cerceris*); Evans, 1973c:149 (Wyoming: Jackson Hole, as *calcohorti*); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Krombein, 1979b:1731 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:474 (in annotated list of North American and Caribbean *Cerceris*); Ratzlaff, 2016:28 (Canada: first record from British Columbia: Southern Interior), 38 (British Columbia: Osoyoos); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Alberta, British Columbia, Saskatchewan: no specific locality)

Cerceris varians Mickel, 1918a:336, ♀, ♂. Holotype: ♀, USA: California: Placer County: Donner Lake (UNL). Synonymized with *Cerceris calochorti* by G. Ferguson, 1984c:474. – Banks, 1947:18 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010 (in catalog of North American Hymenoptera); Muma, 1952:17 (holotype in UNL), 24 (paratypes in UNL); Scullen, 1965b:514 (in revision of North American *Cerceris*); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Krombein, 1979b:1738 (in catalog of North American Hymenoptera); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

139. *campestris* Holmberg

Cerceris campestris Holmberg, 1903:484, ♂. Lectotype: ♂, Argentina: Buenos Aires: Buenos Aires, Flores (MACN), designated by Fritz, 1968b:164. – Schrottky, 1913a:229 (Argentina: Buenos Aires); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Amarante, 2002:58 (in catalog of Neotropical Crabronidae).

140. *campicola* Arnold

Cerceris monticola campicola Arnold, 1942:14, ♀. Holotype: ♀, Zaire: Walikale (SAM). – **As *Cerceris campicola***: Empey, 1969a:303 (full species status, in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Empey, 1983:166 (bibliographic reference, type examined).

141. *campsomeroides* Arnold

Cerceris campsomeroides Arnold, 1951:109, ♂. Holotype: ♂, Ghana: Accra (BMNH). – Empey, 1969a:303 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Empey, 1983:166 (bibliographic reference, type examined).

142. *capito* Lepeletier de Saint Fargeau

Cerceris capito Lepeletier de Saint Fargeau, 1845:15, ♀. Syntypes: ♀, Algeria: Oran (MNHN). – Lucas, 1849:251 (Algeria: Oran, original description copied with modification, description of ♂); F. Smith, 1856:446 (in catalog of Hymenoptera in British Museum); Schletterer, 1887:410 (in revision of Palearctic *Cerceris*; *Cerceris fulva* incorrectly regarded as synonym), 488 (in checklist of world *Cerceris*); Ed. André, 1889:306, 334 (in revision of Sphecidae of Europe and Algeria); Schletterer, 1889a:900 (male midbasitarsus curved); Ed. André, 1891:25* (bibliographic references); Schmiedeknecht, 1896:159 (Algeria: Hammam-Bou-Hadjar); Acloque, 1897:81 (in Sphecid Fauna of France and Algeria); Dalla Torre, 1897:455 (in catalog of world Hymenoptera); Morice, 1911:87 (Algeria: Biskra); nec Storey, 1916:108 (Egypt: common everywhere) = *Cerceris spinipectus spinolica*; von Schulthess, 1926b:211 (Tunisia); Bischoff, 1933:5 (Morocco); Shestakov *in* Nadig, 1933:97 (Morocco); Guiglia, 1937:185 (Libya: Cyrenaica: Zaulet Msus); nec Mochi, 1938:150 (= *Cercers spinipectus spinolica*); Guiglia, 1940a:282 (Libya: El-Hag); nec Honoré, 1941a:149 (= *Cercers spinipectus spinolica*); Giner Marí, 1941b:233 (in revision of North African *Cerceris*); Guiglia, 1942b:230 (Libya); de Beaumont, 1950c:322 (study of syntypes), 1951f:384 (synonymy, additional description), 1953g:124 (Morocco; prey: tenebrionids *Tentyria* and *Zophosis*); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino, as *capita*); K. Schmidt, 2000:99 (in revision of Western Palearctic *Cerceris*); Pagliano, 2014:107 (specimens in M. Spinola collection, Torino, as *capita*, are *Cerceris capito*); Dollfuss, 2018:1135 (Morocco: 10 km east of Guelmim, Tunisia: Blidet); Ben Khedher, Yildirim, Braham, and Chaaban, 2019:192 (known from Tunisia: Tozeur Province); Ben Khedher, Yildirime, and Braham, 2020c:534 (Tunisia: summary of previous records, new records from Ben Arous, Kebili, and Tozeur provinces); Dollfuss, 2020a:95 (locality records from Mali), 2021a:938 (should be synonymized with *Cerceris spinipectus*), 2021c:585 (Morocco: 10 km east of Guelmim, Oued Tensift in Marrakech: Tunisia: Blidette); Malash, Edmardash, and Gadallah, 2022:10 (in catalog of Middle Eastern and North African Philanthinae).

Nec following authors (= *Cerceris straminea komarovii*): Radoszkowski, 1877:64; F. Morawitz, 1893b:420, 1894:353; Shestakov, 1914b:408, 1918a:125, 130; Kazenas, 1972b:131, 1974:109; Myartseva, 1963b:61, 1965:92, 1972a:92.

143. *carinalis* Pérez

Cerceris carinalis Pérez, 1905:153, ♀. Holotype or syntypes: ♀, Japan: Yokohama (MNHN). – Sato, 1927:96, 98 (in key to *Cerceris* of Japan); Tsuneki, 1961c:8, 14, 22, 23 (in key to *Cerceris* of northeastern Asia), 1964c:10 (Japan: Kyushu); Haneda, 1965:19 (Japan: Fukui Prefecture); Tsuneki, 1965d:3 (prey record summaryC: urculionidae), 32 (nesting habits); Haneda, 1967:1 (recognition characters of male); Itami, 1968a:16 (Japan: Yamagata Prefecture: foot of Mount Iide); Nambu, 1968b:27 (Japan: Saitama Prefecture); Tsuneki, 1968f:3 (Japan: Kyushyu: Hikosan), 1968n:58 (comparison with male of *Cerceris nipponensis*); Itami, 1969:47 (Japan: Niigata Prefecture); Tsuneki, 1969k:64 (Japan: Mount Hyonosen); Haneda, 1970:13 (Japan: Akita Prefecture); Nambu, 1972e:91 (Japan: Saitama Prefecture), 1973a:152 (Japan: Saitama Prefecture); Suda, 1973:123 (Japan: Yamanashi Prefecture); Nambu, 1975b:72 (Japan: Saitama Prefecture); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Kazenas, 1979d:81, 86 (in key to *Cerceris* of Russian Far East); Miyatake, 1996:103 (specimens in Hiroshi Aoki collection); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:470, 476 (in key to Sphecidae of Russian Far East); Haneda and Inoue, 2003:50 (Japan: Fukui Prefecture: Katsumi in City of Obama); Tano, Kurokawa, Murota, and Nozaka, 2003:33 (Japan: Nagasaki Prefecture: Tsushima); Haneda, Nosaka, Tano, Kurokawa, and Murota, 2004:38 (Japan: Gifu Prefecture); Suda, 2004:47 (Japan: Yamanashi Prefecture); Haneda, Inoue, Nozaka, Tano, Kurokawa, H. Murota, and T. Murota, 2005:67 (Japan: Fukui Prefecture: Mount Monju); Haneda, Nozaka, Tano, Kurokawa, and Murota, 2005:55 (Japan: Gifu Prefecture); Negoro, Haneda, and Tano, 2005:49 (Japan: Toyama Prefecture); Terayama and Tano, 2005:4, 6 (in key to Japanese *Cerceris*); Haneda, Nozaka, Tano, Kurokawa, and Murota, 2006a:30 (Japan: Toyama Prefecture); Nambu, 2006:247 (Japan:

Tokyo: Imperial Palace garden); Ohkusa and Tajima, 2010:13 (Japan: Island of Honshu: Shiga Prefecture); J.-K. Kim, 2014:447 (in catalog of Sphecidae *sensu lato* of Korean Peninsula); Kishi and Nagase, 2015:16 (Japan: Tokyo University: Yayoi Campus: visiting flowers); Dollfuss, 2020b:120 (Japan: Osaka), 2021:938 (Japan: iigata Prefecture: Shibata City); Terayama, 2021:18 (Japan: Port of Tokyo Wild Bird Park); Dollfuss, 2021c:586 (Japan: four localities).

144. *carrascoi* Fritz and Toro

Cerceris carrascoi Fritz and Toro, 1973:187, ♀, ♂. Holotype: ♀, Peru: Cuzco: Ollantaimbo (originally M. Fritz coll., now MACN). – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae); Fritz, 1993:17 (holotype in M. Fritz coll.); Amarante, 2002:58 (in catalog of Neotropical Crabronidae), 2005:12 (erroneous correction to his 2002 catalog); Rasmussen and Asenjo, 2009:14 (in checklist of Crabronidae of Peru).

145. *carrizonensis* Banks

Cerceris carrizonensis Banks, 1915:403, ♂. Lectotype: ♂, USA: Texas: Walde, now Uvalde (MCZ), designated by G. Ferguson, 1983b:227. – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1006 (in catalog of North American Hymenoptera); Scullen, 1965b:365 (in revision of North American *Cerceris*); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Krombein, 1979b:1731 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:474 (in annotated list of North American and Caribbean *Cerceris*).

Cerceris poculum Scullen, 1965b:391, ♀. Holotype: ♀, USA: Arizona: 23 mi. northeast of Douglas (USNM). Synonymized with *Cerceris carrizonensis* by G. Ferguson, 1984c:474. – R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Krombein, 1979b:1736 (in catalog of North American Hymenoptera).

146. *caura* Fritz and Mariluis

Cerceris caura Fritz and Mariluis, 1976:111, ♂. Holotype: ♂, Bolivia: Santa Cruz: San Antonio (originally M. Fritz coll., now MACN). – Fritz, 1993:17 (holotype in M. Fritz coll.); Amarante, 2002:58 (in catalog of Neotropical Crabronidae), 2005a:12 (correction to his 2002 catalog).

147. *cavagnaroi* Scullen

Cerceris cavagnaroi Scullen, 1972:75, ♀. Holotype: ♀, El Salvador: Quezaltepeque (UCD). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); G. Ferguson, 1984c:475 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:58 (in catalog of Neotropical Crabronidae).

148. *ceciliapanogadiae* Reyes

Cerceris ceciliapanogadiae Reyes, 1986:105, ♀. Holotype: ♀, Philippines: Mindanao: Agco on Mount Apo (Univ. Philippines at Los Baños). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:46 (in key to *Cerceris* of Philippines), 67 (bibliographic reference).

149. *celebensis* Maidl

Cerceris celebensis Maidl, 1926:221, ♀. Syntypes: ♀, Indonesia: Sulawesi: Bua-Kraeng (NHMW). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Dollfuss, 1989:8 (type material in NHMW).

150. *centralafricanula* Dollfuss

Cerceris centralafricanula Dollfuss, 2023b:310, ♀**.** Holotype: ♀**,** Central African Republic: 15 km S Mbaïki at 03°44'N 18°00'E (OÖLM).

151. *cerussata* Shestakov

Cerceris cerussata Shestakov, 1918a:126, ♀. Holotype or syntypes: ♀, Uzbekistan: Tshardar (ZMMU). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Kazenas, 1984a:115 (in revision of *Cerceris* of Kazakhstan and Central Asia), 2001b:54 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:113 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:142 (geographic distribution, collecting localities in Kazakhstan).

152. *cerverae* Giner Marí

Cerceris cerverae Giner Marí, 1941c:333, ♂. Holotype: ♂, Cuba: Havana (MNCN). – Alayo Dalmau, 1968a:15 (in revision of Cuban Sphecidae), 1973:192 (in catalog of Cuban Hymenoptera), 1976:15, 16 (in key to Cuban *Cerceris*), 31 (in checklist of Cuban Sphecidae); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); de Zayas, 1981:80 (illustration of habitus); G. Ferguson, 1984c:475 (in annotated list of North American and Caribbean *Cerceris*); Genaro and Sanchez, 1993:39 (nesting habits); Amarante, 2002:58 (in catalog of Neotropical Crabronidae); Genaro, 2006:58 (in checklist of Cuban Sphecidae and Crabronidae); S. Yong and Breto, 2015:370 (prey: *Polycesta angulosa* Jacquelin du Val, 1856, *Halecia verecunda* Chevrolat, 1867, and *Spectralia sulcicollis* (Chevrolat, 1867), Buprestidae); Genaro, 2017:10 (in list of Antillean *Cerceris*).

153. *chacoana* Brèthes

Cerceris chacoana Brèthes, 1910a:271, ♀. Holotype: ♀, Argentina: Chaco: Las Mercedes (MACN). – Schrottky, 1913a:229 (Argentina: Chaco); Fritz, 1968b:167 (study of holotype); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Genise, 1990:26 (type material in MACN); Amarante, 2002:58 (in catalog of Neotropical Crabronidae).

154. *changi* Tsuneki

Cerceris changi Tsuneki, 1972c:11, ♀, ♂. Holotype: ♀, Taiwan: Taoyuan Prefecture: Paling (originally K. Tsuneki coll., now USNM). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Nuhn and Menke, 1994:25 (holotype transferred to USNM); Porter, Stange, and Wang, 1999:14 (in checklist of Sphecidae of Taiwan); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

155. *cheops* de Beaumont

As *Cerceris pulchella*: Mochi, 1938:175 (in revision of Egyptian *Cerceris*), corrected to *Cerceris cheops* by de Beaumont, 1951b:179; Giner Marí, 1941b:190 (in revision of North African *Cerceris*), corrected to *Cerceris cheops* by de Beaumont, 1951f:326; Giner Marí, 1945b:362 (Western Sahara), 1945e:224 (Western Sahara), and 1947:19 (Western Sahara), present correction; de Beaumont, 1950f:397 (Algeria, as *Cerceris pulchella* (Spinola) Mochi).

Cerceris cheops de Beaumont, 1951b:179, ♀, ♂. Holotype: ♀, Algeria: Biskra (Lausanne). – de Beaumont, 1951f:326 (Algeria, Egypt; diagnostic characters), 1953a:174 (Mauretania: Fort Gouraud, now Fderîck); de Beaumont and Bytinski-Salz, 1959:121 (Israel: Wadi Fukra); Pulawski, 1964:73 (Egypt: Saqqara); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); K. Schmidt, 2000:145 (in revision of Western Palearctic *Cerceris*); Roche, 2007a:130 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Dollfuss, 2018:1135 (Egypt: Wad Digla and Wadi Hof near Cairo), 2021c :516 (Egypt: Sinai: Wadi Gharandal 20 km northwest of Abu Zenima; Mauritania: 20 m northeast of Aleg); Malash, Edmardash, and Gadallah, 2022:10 (in catalog of Middle Eastern and North African Philanthinae).

156. *cheskesiana* Giner Marí

Cerceris cheskesiana Giner Marí, 1945a:252, ♂. Holotype (or syntypes?): ♂, Cyprus: Cherkes, misspelled as Cheskes (MNCN). – Giner Marí, 1945a:248 (Cyprus); de Beaumont, 1947b:386 (Cyprus, as *Cerceris cherkesiana*); Pittioni, 1950:22 (Cyprus, as *Cerceris cherkesiana*); de Beaumont, 1958d:287 (Cyprus); de Beaumont and Bytinski-Salz, 1959:124 (Israel, ♀); de Beaumont, 1969:82 (Turkey); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Georghiou, 1977:189 (Cyprus; as *Cerceris cherkesiana*); K. Schmidt, 2000:105 (in revision of Western Palearctic *Cerceris*); Ljubomirov and Yildirim, 2008:134 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Sadeghi, Fallahzadeh, Ostovan, Ljubomirov, and Hesami, 2016:431 (Iran: Fars Province); Dollfuss, 2018:1135 (locality records from Turkey), Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:15 (Iran:

known from Fars Province); Dollfuss, 2021a:938 (locality records from Jordan and Turkey), 2021c:586 (locality records from Cyprus, Israel, Jordan, and Turkey); Kaplan and Yildirim, 2021:93 (in catalog of Crabronidae of Turkey); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:230 (in revision of Sphecidae *sensu lato* of Europe); Malash, Edmardash, and Gadallah, 2022:11 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1689 (in checklist of Sphecidae *sensu lato* of Turkey).

157. *chilensis* Spinola

Cerceris chilensis Spinola, 1851a:344, ♀, ♂. Syntypes: Chile: Concepción, Coquimbo, Santiago (ZMHU). – F. Smith, 1856:464 (in catalog of Hymenoptera in British Museum); de Saussure, 1867:93 (Chile, redescription); Schletterer, 1887:488 (in checklist of world *Cerceris*); E. Reed, 1894:642 (in revision of Chilean Aculeata); Dalla Torre, 1897:455 (in catalog of world Hymenoptera); Brèthes, 1910b:145 (Chile); Kohl, 1916:108 (specimen in O. Radoszkowski collection, Kraków); Ruiz Pereira, 1924:102 (Chile: Cerro San Cristóbal); Brèthes, 1925:34 (Chile: San José de Maipo); Janvier, 1928:152 (nesting habits), 1929:419 (sleeping habits); Gazulla and Ruiz Pereira, 1929:299 (Chile: Hacienda de "Las Mercedes"); Gutiérrez, 1940:34 (Chile: Río Blanco); Tsuneki, 1965d:3 (prey record summary: Curculionidae); Fritz and Toro, 1969:155 (in revision of Chilean and Patagonian *Cerceris*); Sielfeld, 1971:255 (in key to Chilean *Cerceris*); Zapata, 1974:37 (Chile: Lampa near Santiago); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); Nascimento and Overal, 1980:4 (Brazil, Chile); Sielfeld, 1980b:75 (in checklist of Chilean Sphecidae); Piek and Spanjer, 1986:181 (in list of Sphecidae with known prey); Steiner, 1986:113 (references to publications on nesting habits); Amarante, 2002:58 (in catalog of Neotropical Crabronidae); Chiappa, 2012:9 (Chile: Región de Valparaíso: no specific locality); Pagliano, 2014:112, 113 (specimens in M. Spinola collection, Torino, are *Cerceris chilensis*, including neotype [*sic*] designated by H. Scullen); Dollfuss, 2021b:570 (Chile: many localities).

158. *chimoio* Dollfuss

Cerceris chimoio Dollfuss, 2023b:312, ♀. Holotype: ♀, Moozambique: 40 km southwest of Chimoio at 19°23'S 33°11'E (OÖLM).

159. *chirindensis* Arnold

Cerceris chirindensis Arnold, 1932:12, ♀. Holotype: ♀, Zimbabwe: Chirinda Forest (SAM). – Empey, 1969a:303 (in checklist of Afrotropical *Cerceris*), 1970:186 (Zaire: Upemba National Park); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Empey, 1983:166 (bibliographic reference, type examined); Hancock, Chahwanda, and Mhlanga, 1995:37 (syntypes in Bulawayo Museum).

160. *chiriquensis* Cameron

Cerceris chiriquensis Cameron, 1890a:114, ♀. Holotype or syntypes: ♀, Panama: Volcan de Chiriquí (BMNH). – Dalla Torre, 1897:455 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Cheesman, 1929:151 (Panama); G. Ferguson, 1984c:475 (full species status; in annotated list of North American and Caribbean *Cerceris*); Callan, 1990d:197 (nest and prey), 1991a:12 (Trinidad); Amarante, 2002:58 (in catalog of Neotropical Crabronidae); Starr and Hook, 2003:21 (in catalog of Aculeata of Trinidad, West Indies); Dollfuss, 2021b:570 (Costa Rica and Ecuador). – **As *Cerceris insolita chiriquensis***: Scullen, 1972:63 (new status, in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Horta Vega, Pinson Domínguez, Barrientos Lozano, and Correa Sandoval, 2007: 45 (Mexico: Tamaulipas); Vanoye-Eligio, Meléndez-Ramírez, Ayala, Navarro, and Delfín-González, 2014:638 (Mexico: Yucatán Peninsula); Vanoye-Eligio, Meléndez-Ramírez, Ayala, Navarro-Alberto, and Delfin-González, 2015:993 (Mexico: in list of Sphecidae *sensu lato* of Yucatán).

161. *chlorotica* Spinola

Cerceris chlorotica Spinola, 1839:496, ♀, ♂. Syntypes: Egypt: no specific locality (Torino). – Schletterer, 1887:467 (original description copied), 488 (in checklist of world *Cerceris*); Ed. André, 1889:332 (in revision of Sphecidae of Europe and Algeria), 1891:29* (bibliographic references); Dalla Torre, 1897:455 (in catalog of world Hymenoptera); Guiglia, 1932b:100 (Libya: Fezzan: Murzuk), 1934b:297 (Libya: bibliography and summary of locality records); Giner Marí, 1941b:285 (original description copied, unrecognizable species); de Beaumont, 1951b:176 (study of syntypes), 1951f:382 (Sahara), 1952c:188 (Algeria: Hoggar); de Beaumont and Bytinski-Salz, 1959:126 (Israel); Pulawski, 1964:74 (Egypt: Dahshur, Ghiza); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino); K. Schmidt, 2000:107 (in revision of Western Palearctic *Cerceris*); Roche, 2007a:136 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Pagliano, 2014:108 (specimens in M. Spinola collection, Torino, including lectotype, are *Cerceris chlorotica*); Augul, 2017:198 (recorded from Iraq by Morice, 1921 and Dervesh, 1965 as *Cerceris lutea*); Dollfuss, 2018:1136 (Algeria: Mansouriah, Egypt: Ghiza, and Moocco: near Mhamid); Ben Khedher, Yildirim, Braham, and Chaaban, 2019:193 (known from Tunisia: Tozeur Province); Ben Khedher, Yildirime, and Braham, 2020c:534 (Tunisia: summary of previous records, new locality records from Kebili, Mahdia, and Tataouine provinces); Dollfuss, 2021c:516 (Egypt: Dahshur; Syria: Raqqa: Mishirfeh; Tunisia: Nefta; United Arab Emirates: Sarjan Province: Mileiha at 25°26'N 55°51'E); Malash, Edmardash, and Gadallah, 2022:11 (in catalog of Middle Eastern and North African Philanthinae).

Cerceris citrina Spinola, 1843b:XXXI, sex not stated, origin unknown, specimen(s) in Berlin Museum, as junior synonym of *Cerceris chlorotica*. Not available: first proposed as a junior synonym (Article 11.6).

Cerceris lutea Taschenberg, 1875:402, ♀, ♂. Syntypes: Sudan: Khartum (Halle). Synonymized with *Cerceris chlorotica* by de Beaumont, 1951b:176. – Schletterer, 1887:408 (in revision of Palearctic *Cerceris*), 496 (in checklist of world *Cerceris*); Ed. André, 1889:333 (in revision of Sphecidae of Europe and Algeria); Schletterer, 1889a:903 (Savigny, 1817, pl. X, Fig. 18 represents *lutea*); Ed. André, 1891:29* (bibliographic references); Dalla Torre, 1897:466 (in catalog of world Hymenoptera); Morice, 1897:304 (Egypt), 1911:85 (Algeria: Biskra); Kohl, 1916:117 (synonymy, redescription); Storey, 1916:108 (Egypt: El Alag, Ghiza, Maadi); Morice, 1921:822 (Iraq: Amara); von Schulthess, 1926b:211 (Tunisia); Mochi, 1938:169 (in revision of Egyptian *Cerceris*); Giner Marí, 1941b:197 (in revision of North African *Cerceris*); Honoré, 1941a:149 (Egypt: Cairo area); Derwesh, 1965:70 (Iraq: no specific locality).

Cerceris nilotica Schletterer, 1887:421, ♂. Holotype or syntypes: ♂, Egypt: Al Jizah (= Ghiza) Province: Thebes (NHMW). Synonymized with *Cerceris lutea* by Morice, 1897:304 and Kohl, 1916:117. – Schletterer, 1887:498 (in checklist of world *Cerceris*); Ed. André, 1889:332 (in revision of Sphecidae of Europe and Algeria); Schletterer, 1889a:903 (Savigny, 1817, pl. X, Fig. 23 represents *nilotica*); Ed. André, 1891:30* (bibliographic references); Dalla Torre, 1897:468 (in catalog of world Hymenoptera); de Beaumont, 1951b:177 (synonymy confirmed); Empey, 1972:67 (type material in NHMW); Dollfuss, 1989:8 (holotype in NHMW); Smit, 2007:653 (first record from Canary Islands: Island of Fuertaventura: north of Costa Calma).

Cerceris mateui Giner Marí, 1945e:228, ♀, ♂ (as *Mateui*, incorrect original capitalization). Holotype (sex not stated): Morocco: Western Sahara: Tantan (MNCN). Synonymized with *Cerceris chlorotica* by K. Schmidt, 2000:107. – Giner Marí, 1945e:228 (Morocco: Western Sahara, redescription). – **As *Cerceris chlorotica mateui***: de Beaumont, 1951f:383 (new status); de Beaumont and Bytinski-Salz, 1959:126 (Israel); Dollfuss, 2018:1136 (Morocco: 10 km east of Guelmim, Tunisia: 20 km south of Sfax). – **As *Cerceris chlorotica* var. *mateui***: Dollfuss, 2018:1136 (new status, Morocco: 10 km east of Guelmim, Tunisia: 20 km south of Sfax), 2021c:586 (Israel: 10 km north of Nizzana at 30.944N 34.401E; Morocco: Taroudant).

162. *chromatica* Schletterer

Cerceris chromatica Schletterer, 1887:422, ♂. Lectotype: ♂, Egypt: El Alag (NHMW), designated by Empey, 1972:67 (Article 74.6). – Schletterer, 1887:488 (in checklist of world *Cerceris*), 1889a:903 (Savigny, 1817, pl. X, Fig. 24 represents *chromatica*); Ed. André, 1889:333 (in revision of Sphecidae of Europe and Algeria), 1891:29* (bibliographic references); Dalla Torre, 1897:455 (in catalog of world Hymenoptera); Giner Marí, 1941b:196 (in revision of North African *Cerceris*); de Beaumont, 1950f:397 (Algeria), 1951b:178 (interpretation of species), 1951f:368 (Sahara); de Beaumont and Bytinski-Salz, 1959:124 (Israel: Wadi Fukra); Pulawski, 1964:73 (Egypt: Abu Rawash, Dahshur, Ghiza, Saqqara); Empey, 1972:67 (type material in NHMW), 1973:22 (Egypt, West Aden Protectorate); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Guichard, 1980:230 (Oman); Roche, 1981:5 (in checklist of Sphecidae of United Arab Emirates); Empey, 1983:167 (bibliographic reference, type material examined); Dollfuss, 1989:8 (holotype in NHMW); Guichard, 1993a:153 (Arabian Peninsula); K. Schmidt, 2000:110 (in revision of Western Palearctic *Cerceris*); Gadallah and Assery, 2004a:218 (in key to Sphecidae of Jeddah Region, Saudi Arabia), 233 (in catalog of Sphecidae of Saudi Arabia); Roche, 2007a:135 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Schmid-Egger, 2011b:516 (recorded from United Arab Emirates by Guichard, 1993a); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:357 (in new catalog of Sphecidae of Saudi Arabia); S. Gess and Roosenschoon, 2016:106 (Dubai Desert Conservation Reserve, visiting flowers of *Calotropis procera* (Aiton) W.T. Aiton, Apocynaceae, of *Prosopis cineraria* (L.) Druce,Fabaceae, and of *Zygophyllum qatarense* Hadidi, Zygophyllaceae); Dollfuss, 2018:1136 (Morocco: Agdz in Anti Atlas, Tunisia: Tozeur); Ben Khedher, Yildirime, and Braham, 2020c:535 (Tunisia: summary of previous records, new locality records from Tozeur Province); Gadallah, 2020b:62 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021c:586 (locality records from Egypt, Jordan, Mauretania, Morocco, Pakistan, and United Arab Emirates); Malash, Edmardash, and Gadallah, 2022:12 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:292 (United Arab Emirates: locality records); Dollfuss, 2023a:408 (Oman).

Cerceris lateriproducta var. *flava* Mochi, 1938:185, ♀, ♂. Syntypes: Egypt: El Alag and Gebel Asfar near Cairo (? USNM). – Synonymized with *Cerceris chromatica* by de Beaumont, 1951b:178, 179.

Cerceris rufofacies Empey, 1973:19, ♂. Holotype: ♂, Oman: Trucial Oman Coast: no specific locality (BMNH). Synonymized with *Cerceris chromatica* by Empey, 1983:167. – R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae).

163. *chrysothemis* R. Turner

Cerceris saussurei Radoszkowski var. *chrysothemis* R. Turner, 1912e:488, ♀, ♂. Syntypes: Pakistan: Balochistan: Quetta (BMNH). – **As *Cerceris chrysothemis***: Shestakov, 1918a:150 (full species status); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae).

164. *circularis* (Fabricius)

Philanthus circularis Fabricius, 1804:304, sex not stated. Holotype: ♂, Morocco: Tanger (ZMUC). – Thunberg, 1815b:288 (diagnostic characters), 292 (redescription); Giner Marí, 1941b:286 (original description copied, status uncertain); de Beaumont, 1950c:318 (study of type). – **As *Cerceris circularis***: Dalla Torre, 1897:455 (new generic assignment, in catalog of world Hymenoptera); de Beaumont, 1951f:324 (Algeria to Morocco; geographic variation), 1953g:121 (Morocco), 1956a:186 (Libya); Bytinski-Salz, 1956:224 (Turkey: Aydın, Finike, Kemer); de Beaumont, 1957b:132 (northern Iran); Grandi, 1957:388 (Libya: Tripolitania: Wadi Kaam); de Beaumont, 1958d:284 (Cyprus); de Beaumont and Bytinski-Salz, 1959:119 (Israel); de Beaumont, 1960a:7 (Greece: Island of Rhodes); van der Vecht, 1961a:63 (study of type); de Beaumont, 1962b:30 (discussion of Spanish populations), 1965a:19 (Greece); Balthasar, Hrubant, and Hrubant, 1967:174 (Bulgaria: Slanchev Bryag near Nessebar); de Beaumont, 1967a:281 (Turkey), 1969:82 (Turkey); R. Bohart

and Menke, 1976:578 (in checklist of world Sphecidae); Roche, 1981:5 (in checklist of Sphecidae of United Arab Emirates); Islamov and Kazenas, 1983:44 (Uzbekistan); Kazenas, 1984a:12 (in revision of *Cerceris* of Kazakhstan and Central Asia); Islamov, 1986:520 (Uzbekistan: Tashkent Oblast'); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:330 (in Sphecid Fauna of Western Europe); Esenbekova and Kazenas, 2000:73 (southeastern Kazakhstan: 25 km west of Alma Ata); K. Schmidt, 2000:146 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:54 (in checklist of Sphecidae of Kazakhstan and Central Asia), 251 (prey: *Tiphia* sp., Tiphiidae, review of known biology), 2002a:142 (geographic distribution, collecting localities in Kazakhstan), 2004d:36 (Kazakhstan: shores of Ural River); Gorobchishin, 2006:144 (Ukraine: Cherkasy Oblast': Kaniv Nature Reserve); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); Rudoiskatel', 2010:148 (Russia: southern Ural Mountains); Prisniy, 2012:52 (Russia: Belgorod Oblast'); Bitsch, 2014:410 (according to K. Schmidt, 2000 only subspecies *dacica* occurs in Europe); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Mokrousov and Popov, 2016:591 (Russia: Krasnodarskiy Kray); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:77 (Iran: known from Ardabil Province); Danilov and Mokrousov, 2017b:253 (in catalog of Philanthinae of Russia) Dollfuss, 2018:1136 (Algeria: Biskra and Hodna, Morocco: Tamri 70 km north of Agadir, Tissnit 70 km east of Tata, and Talmest); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:8 (Azerbaijan: Nakhichevan Autonomous Republic); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:15 (Iran: known from Ardabil Province, as *circularis circularis*); Ben Khedher, Yildirime, and Braham, 2020c:535 (Tunisia: summary of previous records, new locality records from Béja, Jendouba, Kebili, Le Kef, Mahdia, and Tataouine provinces); Gadallah, 2020b:63 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021a:938 (Morocco: Aoulou), 2021c:587 (Morocco: Tissint 70 km east of Tata, 20 km east of Agdz =Agadiz?); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:241 (in revision of Sphecidae *sensu lato* of Europe); Malash, Edmardash, and Gadallah, 2022:12 (in catalog of Middle Eastern and North African Philanthinae); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

Cerceris clitellata Lepeletier de Saint Fargeau, 1845:28, ♀, ♂. Syntypes: Algeria: Oran (MNHN). Synonymized with *Cerceris circularis* by de Beaumont, 1950c:323. – Lucas, 1849:255 (Algeria: Alger, Bône, Constantine, La Calle; original description copied with modifications); F. Smith, 1856:446 (in catalog of Hymenoptera in British Museum); Acloque, 1897:81 (in Sphecid Fauna of France and Algeria).

Cerceris elegans Dufour, 1854a:379, ♀, ♂, junior primary homonym of *Cerceris elegans* Eversmann, 1849. Syntypes: Algeria: Pontéba, now Oumm ed Drou (MNHN). Synonymized with *Cerceris opulenta* by Shestakov, 1928:267, and with *Cerceris circularis* by de Beaumont, 1950c:324. – Ed. André, 1889:337 and 1891:30* (unrecognizable species).

Cerceris dacica var. *opulenta* Morice, 1911:82, ♀, ♂. Syntypes: Algeria: Biskra (OXUM). Synonymized with *Cerceris elegans* Dufour by Shestakov, 1928:267, and with *Cerceris circularis* by de Beaumont, 1951f:324. – Shestakov, 1923:103, 112 (in key to subgenus *Apiraptrix*, bibliographic reference, tentatively recognized as subspecies of *Cerceris dacica*, distribution).

Cerceris elegantula Shestakov, 1918a:147. Substitute name for *Cerceris elegans* Dufour, 1853. Synonymized with *Cerceris opulenta* Morice by Shestakov, 1928:267. – **As *Cerceris dacica elegantula***: Giner Marí, 1941b:177 (new status, in revision of North African *Cerceris*), 1945b:359 (eastern Morocco: Muley Rechid, Ain Zorah).

ssp. *dacica* Schletterer

Cerceris dacica Schletterer, 1887:387, ♀, ♂. Syntypes: Hungary: no specific locality (NHMW). – Schletterer, 1887:489 (in checklist of world *Cerceris*); Ed. André, 1889:274, 275, 306 (in revision of Sphecidae of Europe and Algeria); F. Morawitz, 1889a:158 (China or Mongolia: Ta-wan); Schletterer, 1889b:1126 (Armenia: Arax Valley); Ed. André, 1891:25* (bibliographic references); F. Morawitz, 1891a:213 (Russia:

Astrakhan' Governorate); Dalla Torre, 1897:457 (in catalog of world Hymenoptera); Mocsáry, 1897:80 (Kingdom of Hungary, some localities are in today's Romania); Antiga and Bofill, 1904:20 (Spain: Cataluña Province); Móczár and Henter, 1907:205 (Hungary: Putnok, Tiszaalpár); Schmiedeknecht, 1907:238, 241 (in key to Hymenoptera of Central Europe); Mercet, 1914:445 (recorded from Spain); Shestakov, 1916:232 (Armenia: Arax valley), 1918a:130 (Kazakhstan); Morice, 1921:822 (Iran: Qazvin); Shestakov, 1923:103, 105, 112 (in key to subgenus *Apiraptrix*, synonymy, distribution); Berland, 1925d:56 (in Sphecid Fauna of France), 1926a:52 (France: Montpellier); Shestakov, 1927a:20 (Russia: Ural'sk Oblast', now Kazakhstan: Oral); Vorontsovskiy, 1928:45 (Russia: vicinity of Orenburg); Schmiedeknecht, 1930:699, 702 (in keys to Hymenoptera of North and Central Europe); Vorontsovskiy, 1930:65 (Russia: Orenburg Oblast'); Bernard, 1935:62 (France: Var: Fréjus area, determination tentative); Zavadil, 1937a:73 (eastern Slovakia); Zavadil, Šustera, and Bat'a, 1937:207 (in catalog of Sphecidae of Czechoslovakia); Giner Marí, 1941a:31 (in revision of Spanish *Cerceris*), 1943a:96 (in Sphecid Fauna of Spain), 1945a:248 (Cyprus, Greece: Island of Rhodes), 1945b:359 (Morocco); de Beaumont, 1947b:385 (Cyprus); Šnoflák *in* Zavadil and Šnoflák, 1948:86, 93 (in key to Sphecidae of Czechoslovakia); Pittioni, 1950:22 (Cyprus); Scobiola, 1951:273 (first record from Romania: Frăteşti, Bucureşti); Hertzog, 1954:100 (France: Bouches-du-Rhône: Camargue); Atanassov, 1955:203 (Bulgaria: Sofia area); Lehrer, 1955:262 (Romania: Moldova: Iaşi); Bajári, 1956a:81 (in catalog of Hungarian *Cerceris*, with list of localities); Ceballos, 1956:367 (in catalog of Hymenoptera of Spain); Bajári, 1957a:31, 41 (in key to Hungarian Sphecidae); Balthasar, 1958:338 (Slovakia); de Beaumont, 1962b:20 (Spain); Scobiola-Palade, 1966b:391 (Romania: Tulcea District: C.A. Rosetti), 1968b:141 (Romania: Island of Letea in delta of Danube), 1968c:383 (Romania: Bucureşti, Frateşti); nec Atanassov, 1972a:191 and 1972b:32, 37, 41, 48 (= *Cerceris rybyensis*); Balthasar, 1972:398 (in Sphecid Fauna of Czechoslovakia); Georghiou, 1977:189 (Cyprus); Józan, 1983:98 (Hungary**)**; Haris, 2016:22 (in list of species described by A. Schletterer from Carpathian Basin). – **As *Cerceris circularis dacica***: de Beaumont, 1950c:318 (new status), 1951b:177 (subspecies status confirmed), 1952a:51 (in revision of *Cerceris* of France), 1954e:86 (Italy); Grandi, 1954:236 (Italy); Diniz, 1966:7 (Portugal: Castelo Branco, Monte Gordo); de Beaumont, 1962b:20 (Spain: Segovia); Ceballos, 1964:88 (in supplement to catalog of Spanish Sphecidae); Isensee, Lesemann, and Röseler, 1965:612 *(*Spain: Gerona: no specific locality); Scobiola-Palade, 1971:204 (in review of *Cerceris* of Romania); Kazenas, 1972b:126 (Kazakhstan); Scobiola-Palade, 1972a:149 (Romania: delta of Danube: Caraorman); Kazenas, 1974:109 (feeding on flowers of *Statice gmelini* Willd., Plumbaginaceae, in Kazakhstan); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Kazenas, 1978b:49, 54 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1978:185, 190 (in key to Sphecidae of European part of USSR); Mityaev, Matesova, Kulenova, Kazenas, and Zhdanko, 1980:121 (Russia: Siberia: Altayskiy Kray: basin of Aley River); Pagliano, 1980:126 (Italy: Calabria); Gayubo, 1982e:109 (Spain: Provincia Cádiz); Dollfuss, 1983b:24 (in catalog of Sphecidae of Austria); Schmidt and Westrich, 1983:125 (Greece); Gayubo, 1985c:172 (Spain: Toledo: Corchuela); Józan, 1985b:62 (Hungary south of Lake Balaton), 82 (floral records), 85 (ecological and zoogeographic characteristics); Scobiola-Palade, 1985:96 (Romania: delta of Danube); Gayubo and Sanza, 1986:86 (Spain: Burgos); Józan, 1986:374 (Hungary: Kiskunság National Park); Pagliano, 1987:160 and 165 (in key to *Cerceris* of Italy), 1988:161 (in revision of Italian Philanthinae); Pádr *in* Šedivy, 1989a:166 (in checklist of Czechoslovakian Sphecidae); Pagliano, 1990:97 (in catalog of Italian Sphecidae); Dollfuss, 1991:220 (in key to Sphecidae of North and Central Europe); Gayubo, Borsato, and Osella, 1991:420 (Italy: Veneto); Negrisolo and Pagliano, 1993:93 (Italy: Sardegna); Gorobchishin, 1995:19 (Ukraine: Kanev Nature Reserve); Józan, 1995:105 (Hungary: projected Duna-Dráva National Park); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Gorobchishin, 1996:53 (Ukraine: Kanev Nature Reserve); Minoranskiy and Shkuratov, 1996:81 (Russia: Rostov Oblast'); Józan, 1998:312 (Hungary: Duna-Dráva National Park); K. Schmidt, 2000:147 (in revision of Western Palearctic *Cerceris*); Shkuratov,

2000:55 (Russia: Rostov Oblast': Vëshenskaya village area at 49°37'N 41°45'E); Józan, 2001:281 (Hungary: Somogy County); Kazenas, 2001d:105, 107 (in key to *Cerceris* of Kazakhstan and Central Asia); Shkuratov, 2002b:139 (Russia: Rostov Oblast': Rostovskiy Nature Reserve at 46°27'N 42°41'E); Drewes, 2003:134 (Spain: Tarragona); Shkuratov, 2004a:73 (Russia: Rostov Oblast'), 2004b:165 (Russia: Rostov Oblast': Gosudarstvennyi Muzey-Zapovednik M.A. Sholokhova); Pagliano and Negrisolo, 2005:335 (in Sphecid Fauna of Italy); Vepřek and Straka, 2007:209 (in catalog of Sphecidae of Czech Republic and Slovakia, known from Slovakia only); Ljubomirov and Yildirim, 2008:134 (in catalog of Crabronidae of Turkey); Gayubo, González, Tormos, and Asís, 2009:365 (Spain: Valladolid: Reserva Natural Riberas de Castronuño – Vega del Duero); Shorenko and Konovalov, 2010:27 (Ukraine: Khar'kov Oblast': villages Kitsevka and Oktyabrskoye; Dnepropetrovsk Oblast': village Rayevka); Tüzün and Yüksel, 2010:4474 (Turkey: Niğde Province); Baghirov, 2011b:154 (Russia: recorded from Altayskiy Kray by Kazenas, Mityaev, Matesova, Kulenova, and Zhdanko, 1979); Gogala, 2011:31 (Slovenia); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Murai and Amr, 2011:113, 118 (first record from Syria: Al Thawrah Nature Reserve at 35°51'N 28°38'E); Shlyakhtenok, 2013:240 (in annotated catalog of aculeate wasps of Belorussia); Protsenko, Fateryga, and Ivanov, 2014:34 (Crimea: Zolotoye in Leninsk District); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Shorenko, 2017:80 (in Crimea collected in July); Dollfuss, 2018:1136 (locality recods fom Bulgaria, Greece, Hungary, Kazakhstan, Montenegro, Slovakia, and Turkey); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:15 (Iran: known from Qazvin Province); Turrisi, Altadonna, Lo Cascio, Nobile, and Selis, 2020:731 (Italy: Aeolian Archipelago: island of Lipari); Cross, Baldock, and Wood, 2021:64 (in catalog of Sphecidae *sensu lato* of Portugal: no specific locality); Dollfuss, 2021a:938 (locality records from Slovakia), 2021c:687 (locality records from Bulgaria, Greece, Hungary, Italy, Kazakhstan, Slovakia, and Turkey); Kaplan and Yildirim, 2021:94 (in catalog of Crabronidae of Turkey); Cross:2022:136 (Spain: Sevilla: Aznalcázar; prey: *Meria tripunctata* (Rossi)); Malash, Edmardash, and Gadallah, 2022:13 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1689 (in checklist of Sphecidae *sensu lato* of Turkey).

Cerceris dacica slovaca Balthasar, 1954d:186, ♂. Holotype: ♂, Slovakia: Seleška (originally V. Balthasar coll., now NMPC). Synonymized with *Cerceris dacica* by Balthasar, 1972:398. – Balthasar, 1954d:182 (Slovakia: Seleška), 1958:338 (Slovakia). – **As *Cerceris circularis slovaca***: R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae).

ssp. *magnifica* Schletterer

Cerceris dacica var. *magnifica* Schletterer, 1887:389, sex not stated. Holotype or syntypes: Hungary: no specific locality (NHMW?). – Dalla Torre, 1897:457 (in catalog of world Hymenoptera); Bajári, 1956a:81 (Hungary: Gyüjtési), 1957a:31 (in key to Hungarian Sphecidae); de Beaumont, 1957b:132 (northern Iran); Haris, 2016:22 (in list of species described by A. Schletterer from Carpathian Basin). – **As *Cerceris circularis magnifica***: de Beaumont, 1967a:281 (new status, Turkey); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:15 (Iran: known from Ardabil and Qazvin provinces); Malash, Edmardash, and Gadallah, 2022:13 (in catalog of Middle Eastern and North African Philanthinae). – **As *Cerceris circularis dacica* var. *magnifica***: Dollfuss, 2021c:587 (locality records from Syria and Turkey). – **As *Cerceris magnifica***: Ferton, 1905:65 (France: Corse: Bonifacio; list of prey).

As *Cerceris rybyensis* (part): Ferton, 1899:345 and 1901a:109 (France: Corse: Bonifacio; list of prey), corrected to *Cerceris magnifica* by Ferton, 1905:65.

165. *circumcincta* R. Turner

Cerceris circumcincta R. Turner, 1912e:513, ♀, ♂. Syntypes: India: Kashmir: no specific locality (BMNH). – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897, as *curcumcincta*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae).

166. *cisplatina* Amarante

Cerceris dichroa Brèthes, 1909b:65, sex not stated (as *dichrous*, incorrect original termination), junior primary homonym of *Cerceris dichroa* Dalla Torre, 1890 (now in *Eucerceris*). Syntypes: origin unknown, probably Uruguay (Mus. Montevideo). – Fritz, 1968b:165 (specimens in MACN); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Genise, 1990:26 (type material in MACN); Amarante, 2002:58 (in catalog of Neotropical Crabronidae), 2005a:12 (correction to his 2002 catalog).

Cerceris cisplatina Amarante, 2005:1 and 12. Substitute name for *Cerceris dichroa* Brèthes, 1909.

167. *citrinella* F. Smith

Cerceris citrinella F. Smith, 1856:442, ♀. Holotype or syntypes: ♀, Russia: Siberia: no specific locality (BMNH). – Schletterer, 1887:466 (original description copied), 488 (in checklist of world *Cerceris*); Ed. André, 1889:339, and 1891:30* (unrecognizable species); Dalla Torre, 1897:455 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae).

168. *clarebaltazarae* Reyes

Cerceris clarebaltazarae Reyes, 1986:112, ♀, ♂. Holotype: ♀, Philippines: Negros: Ara-al in La Carlota District (Univ. of Philippines at Los Baños). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:47, 52 (in key to *Cerceris* of Philippines), 71 (Philippines, redescription).

169. *clypearis* de Saussure

Cerceris clypearis de Saussure, 1887:25, ♀. Holotype or syntypes: ♀, Madagascar: no specific locality (MNHN, now probably lost: Empey, 1983:167). – de Saussure, 1892:541 (Madagascar, redescription); Dalla Torre, 1897:456 (in catalog of world Hymenoptera); Arnold, 1945:22 (Madagascar; redescription); Empey, 1969a:303 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Empey, 1983:167 (type material missing); Pulawski, 2003b:799 (in checklist of Malagasy Sphecidae); Madl, 2014a:999 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records).

170. *clypeata* Dahlbom

Cerceris clypeata Dahlbom, 1844:221, ♀, ♂ (♂ = *Cerceris halone*). Lectotype: ♀, USA: eastern South Carolina: no specific locality (Lund), designated by G. Ferguson, 1984b:433. – Dahlbom, 1845:500 (in key to world *Cerceris*); F. Smith, 1856:465 (in catalog of Hymenoptera in British Museum); Cresson, 1862:237 (in catalog of North American Hymenoptera), 1865c:114 (in revision of North American Philanthinae); Packard, 1866:59 (in key to North American *Cerceris*), 61 (bibliographic reference, geographic distribution); Cresson, 1873:229 (Texas); Snow, 1881:95 (in checklist of Hymenoptera of Kansas: Douglas County: no specific locality); Provancher, 1883b:644 (in revision of Canadian Hymenoptera); Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:488 (in checklist of world *Cerceris*); C. Robertson, 1894:455 (visiting flowers of *Solidago canadensis* Linnaeus, Asteraceae), 457 (visiting flowers of *Solidago nemoralis* Ait., Asteraceae), 460 (visiting flowers of *Aster paniculatus* Lam., Asteraceae), 462 (visiting flowers of *Erigeron strigosus* Muhl., Asteraceae), 1896:72 (visiting flowers of *Polygonum pennsylvanicum* Linnaeus, Polygonaceae); Dalla Torre, 1897:456 (in catalog of world Hymenoptera); G. Peckham and E. Peckham, 1898:109 (nesting habits); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Bridwell, 1899:209 (Kansas: no specific locality); J. Smith, 1900:519 (in list of insects of New Jersey); nec Harrington, 1902:222 (= *Cerceris prominens*); G. Peckham and E. Peckham, 1905:143 (nest structure, preying on beetles); H. Smith, 1908b:368 (in revision of Nebraskan Sphecidae); J. Smith,

1910:678 (in new list of insects of New Jersey); Banks, 1912:18 (in revision of eastern U.S. *Cerceris*); Faull, 1913:384 (Canada: Toronto region); Rohwer, 1916b: 695, 696 (in catalog of Hymenoptera of Connecticut); Mickel, 1918b:448 (in catalog of Nebraskan Sphecidae, color variation); Britton, 1920:341 (in checklist of insects of Connecticut); Rau, 1922:21 (Missouri: Kimmswick); Rohwer *in* Viereck, 1925:695, 696 (in key to Sphecidae of Connecticut; Branford, Hartford, New Haven); J.Ch. Bradley, 1926:175 (New York: Lloyd-Cornell Reservation near McLean), 1928:1017 (in catalog of New York Sphecidae); Brimley, 1938:447 (North Carolina: statewide); Scullen, 1942:189 (efforts to identify the species), 1949b:70 (species correctly interpreted); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1006 (in catalog of North American Hymenoptera); Krombein, 1952a:95 (Virginia: Westmoreland State Park), 1952b:181 (West Virginia: Lost River State Park; prey: adult chrysomelid *Chalepus dorsalis* Thunberg), 1954a:6 (West Virginia: Lost River State Park); Evans, 1957b:86 (description of larva); Krombein, 1958f:197 (in supplement to catalog of North American Hymenoptera: prey: *Chalepus dorsalis* Thunberg), 1963f:277 (Maryland: Plummers Island near Washington, D.C.); Scullen, 1965b:469 (in revision of North American *Cerceris*, as *clypeata clypeata*); Tsuneki, 1965d:3 (prey record summary: Chrysomelidae); Scullen and Wold, 1970:211 (distribution and summary of prey records, as *clypeata clypeata*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Krombein, 1979b:1731 (in catalog of North American Hymenoptera, nesting site, parasite, list of prey); Finnamore, 1982:249 (in Sphecid Fauna of southern Quebec); G. Ferguson, 1984c:475 (in annotated list of North American and Caribbean *Cerceris*); Piek and Spanjer, 1986:182 (in list of Sphecidae with known prey); Spofford, Kurczewski, and Downes, 1989:258 (reference to publication on nest parasite *Senotainia trilineata* (Wulp), a miltogrammine fly); Ahlstrom, 1995:114 (in checklist of insects of North Carolina); Kurczewski, 1998d:250 (pine barrens in upstate New York); Buck, 2004:28 (in checklist of Sphecidae of Ontario, Canada), 77 (specimen recorded from Toronto by Faull, 1913:384 actually comes from Pennsylvania); Buck, Paiero, and Marshall, 2006:45, 47 (in key to eastern Canadian *Cerceris*); Alcock and Simmons, 2018:122 (males mark grass stems or other plant parts with excretions of their cephalic glands); Dollfuss, 2021b:570 (Connecticut, Pennsylvania); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Ontario, Quebec: no specific locality).

Cerceris imitator Cresson, 1865c:125, ♂, junior primary homonym of *Cerceris imitator* F. Smith, 1856. Lectotype: ♂, USA: Illinois: no specific locality, designated by Cresson, 1916:100 (ANSP). Synonymized with *Cerceris deserta* by Packard, 1866:63, and with *Cerceris clypeata* by Scullen, 1960:77. – Packard, 1866:60 (in key to North American *Cerceris*); Cresson, 1887:282 (in catalog of North American Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); J. Smith, 1910:678 (in new list of insects of New Jersey).

Cerceris imitatoria Schletterer, 1887:494. Substitute name for *Cerceris imitator* Cresson, 1865. – Dalla Torre, 1897:463 (in catalog of world Hymenoptera); H. Smith, 1908b:367 (in revision of Nebraskan Sphecidae); Banks, 1912:20 (in revision of eastern U.S. *Cerceris*); Rohwer, 1916b: 695, 697 (in catalog of Hymenoptera of Connecticut); Mickel, 1918b:449 (in catalog of Nebraskan Sphecidae); Britton, 1920:342 (in checklist of insects of Connecticut); Rohwer *in* Viereck, 1925:695, 697 (in key to Sphecidae of Connecticut; Colebrook, New Haven, Putnam, Scotland, Thompson); Brimley, 1938:448 (North Carolina: Bryson City, Fayettville, Highlands, Raleigh); Strickland, 1947:130 (Canada: Alberta: Saint Paul); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1008 (in catalog of North American Hymenoptera).

Cerceris chryssipe Banks, 1912:18, ♀, ♂. Lectotype: ♀, USA: Virginia: Falls Church (MCZ), designated by G. Ferguson, 1983b:227. Synonymized with *Cerceris clypeata* by Scullen *in* Muesebeck, Krombein, and Townes, 1951:1006. – Stevens, 1917:421 (North Dakota, as *chrysippe*); J.Ch. Bradley, 1928:1017 (in catalog of New York Sphecidae, as *chrysippe*).

Cerceris clymene Banks, 1912:20, ♀, ♂. Lectotype: ♀, USA: Virginia: Falls Church (MCZ), designated by G. Ferguson, 1983b:227. Synonymized with *Cerceris clypeata* by Scullen *in* Muesebeck, Krombein, and Townes, 1951:1006. – Brimley, 1938:447 (North Carolina: Raleigh).

Cerceris zobeide Brimley, 1929:194, ♂. Holotype: ♂, USA: North Carolina: Raleigh (North Carolina Department of Agriculture). Synonymized with *Cerceris clypeata* by Scullen, 1960:77. – Brimley, 1938:448 (North Carolina: Raleigh); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1011 (in catalog of North American Hymenoptera).

Cerceris zosma Brimley, 1929:195, ♀. Holotype: ♀, USA: North Carolina: Raleigh (North Carolina Department of Agriculture). Synonymized with *Cerceris clypeata* by Scullen, 1960:77. – Brimley, 1938:448 (North Carolina: Raleigh); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1011 (in catalog of North American Hymenoptera).

171. *clytia* de Beaumont

Cerceris clytia de Beaumont *in* de Beaumont and Bytinski-Salz, 1959:116, ♀, ♂. Holotype: ♀, Israel: Beersheba (Lausanne). – de Beaumont, 1960b:230 (Algeria, Libya; redescription); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Guichard, 1993a:154 (Arabian Peninsula); K. Schmidt, 2000:148 (in revision of Western Palearctic *Cerceris*); Gadallah and Assery, 2004a:233 (in catalog of Sphecidae of Saudi Arabia); Roche, 2007a:130 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:357 (in new catalog of Sphecidae of Saudi Arabia); Ben Khedher, Yildirime, and Braham, 2020c:535 (first record from Tunisia: Mahdia and Tataouine provinces); Gadallah, 2020b:63 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021c:587 (Tunisia: Sened Gare and Gavsa); Malash, Edmardash, and Gadallah, 2022:13 (in catalog of Middle Eastern and North African Philanthinae).

172. *cochisi* Scullen

Cerceris cochisi Scullen, 1965b:414, ♀, ♂. Holotype: ♀, USA, New Mexico: Lordsburg to Silver City (USNM). –Scullen, 1972:42 (in revision of Mexican and Central American species, as *cochise*); R. Bohart and Grissell, 1975:42 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Krombein, 1979b:1731 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:476 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:58 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Amarante, 2005a:12 (correction to his 2002 catalog).

173. *cockerelli* Viereck

Cerceris cockerelli Viereck, 1903b:731, ♂. Lectotype: ♂, USA: California: La Jolla (ANSP), designated by Cresson, 1928:48. – Banks, 1947:31 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1006 (in catalog of North American Hymenoptera); Scullen, 1965b:367 (in revision of North American *Cerceris*); R. Bohart and Menke, 1976:576 (as new synonym of *Cerceris acanthophila*); G. Ferguson, 1983c:236 (synonymy), 1984c:476 (valid species, in annotated list of North American and Caribbean *Cerceris*); Ratzlaff, 2016:28 (Canada: British Columbia; from Scullen, 1965 and R. Bohart and Grissell, 1975); Dollfuss, 2021b:571 (Washington: Benton County: Prosser); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: British Columbia, first records from Alberta and Saskatchewan: no specific locality).

Cerceris minax Mickel, 1918a: ♀, ♂. Holotype: ♀, USA: California: Sacramento (UNL). Synonymized with *Cerceris acanthophila* by Scullen, 1965b:355 and with *Cerceris cockerelli* by G. Ferguson, 1983c:236. – Banks, 1947:34 (in revision of western U.S. *Cerceris*); Scullen in Muesebeck, Krombein, and Townes, 1951:1009 (in catalog of North American Hymenoptera); Muma, 1952:17 (holotype in UNL), 24 (paratypes in UNL); Bohart and Grissell, 1975:49 (in revision of Philanthinae of California); R. Bohart and Menke,

1976:584 (in checklist of world Sphecidae); Krombein, 1979b:1735 (in catalog of North American Hymenoptera); Rust, Menke, and Miller, 1985:47 (California: Channel Islands).

As *Cerceris acanthophila* (corrected to *Cerceris cockerelli* by G. Ferguson, 1983c:236): Scullen, 1965:335 in part (in revision of North American *Cerceris*); R. Bohart and Grissell, 1975:38 (in revision of Philanthinae of California).

174. *coelicola* Giner Marí

Cerceris coelicola Giner Marí, 1942b:116, ♂. Holotype: ♂, China: Shaowu (Mus. A. Koenig, Bonn). – Tsuneki, 1970c:3, 4, 5 (in key to *Cerceris* of Taiwan), 18 (Taiwan, redescription); Haneda, 1972a:6 (Taiwan); Murota, 1973b:117 (Taiwan); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Tsuneki, 1984b:55 (diagnostic characters); Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:45, 49 (in key to *Cerceris* of Philippines), 57 (discussion of status), 64 (redescription of male); Wu and Zhou, 1996a:176 (in revision in Economic Insect Fauna of China); Porter, Stange, and Wang, 1999:14 (in checklist of Sphecidae of Taiwan); Wu, Zhou, Q. Li, and Yang, 2003:817 (China: Fujian Province); Q. Li and He, 2004:1110 (China: in hymenopterous fauna of Zhejiang Province); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Lampe, Rohwedder, Ingrisch, and Rach, 2010:116 (type material in Mus. A. Koenig, Bonn).

175. *colorata* Schletterer

Cerceris colorata Schletterer, 1889a:896, ♀. Holotype: ♀, "Turkestan": no specific locality (NHMW). – Shestakov, 1918a:129 (bibliographic reference to Schletterer, 1889), 1923:103 (in key to subgenus *Apiraptrix*), 110 (bibliographic reference, distribution); Dalla Torre, 1897:456 (in catalog of world Hymenoptera); Gussakovskij, 1952:283 (Uzbekistan and Tajikistan; prey: exclusively *Halictus marginatus* Brullé); Balthasar, Hrubant, and Hrubant, 1967:174 (Bulgaria: Slanchev Bryag near Nessebar); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Kazenas, 1978b:53, 55 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:56 (in revision of *Cerceris* of Kazakhstan and Central Asia); Esenbekova and Kazenas, 2000:72 (southeastern Kazakhstan: no specific locality); K. Schmidt, 2000:149 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:54 (tentatively in checklist of Sphecidae of Kazakhstan and Central Asia), 251 (preys upon *Halictus* according to Gussakovskij, 1952), 2001d:107, 109 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:142 (geographic distribution, collecting localities in Kazakhstan, determination tentative), 2004b:112 (Kazakhstan: western Tien Shan), 2014a:139 (Kazakhstan: Karatau Mountain Range); Dollfuss, 2018:1137 (locality records from Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan, variation), 2021a:938 (locality records from Turkey and Kyrgyzstan), 2021c:587 (locality records from Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan); Malash, Edmardash, and Gadallah, 2022:13 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1689 (in checklist of Sphecidae *sensu lato* of Turkey).

176. *comberi* R. Turner

Cerceris comberi R. Turner, 1912e:798, ♀, ♂. Syntypes: Pakistan: Karachi (BMNH); and India: Karnataka: Mysore (OXUM). – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae).

177. *compacta* Cresson

Cerceris compacta Cresson, 1865c:127, ♀, ♂. Lectotype: ♀, USA: Illinois: no specific locality (ANSP), designated by Cresson, 1916:99. – Packard, 1866:60 (in key to North American *Cerceris*), 63 (bibliographic reference, geographic distribution); Cresson, 1873:230 (Texas); Snow, 1881:95 (in checklist of Hymenoptera of Kansas: Douglas County: no specific locality); Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:488 (in checklist of world *Cerceris*); Robertson, 1894:439 (visiting flowers of *Geum album* Gmelin, Rosaceae), 454 (visiting flowers of *Solidago missouriensis* Nutt., Asteraceae), 455 (visiting flowers of *Solidago canadensis* Linnaeus, Asteraceae), 464 (visiting flowers of *Parthenium*

integrifolium Linnaeus, Asteraceae); Dalla Torre, 1897:456 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); J. Smith, 1900:519 (in list of insects of New Jersey), 678 (in new list of insects of New Jersey); Banks, 1912:17 (in revision of eastern U.S. *Cerceris*); Rohwer, 1916b: 695, 696 (in catalog of Hymenoptera of Connecticut, not yet found in the State); Mickel, 1918b:448 (in catalog of Nebraskan Sphecidae); Rohwer *in* Viereck, 1925:695, 696 (in key to Sphecidae of Connecticut); J.Ch. Bradley, 1928:1017 (in catalog of New York Sphecidae); Brimley, 1938:447 (North Carolina: eastward of Salisbury); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1006 (in catalog of North American Hymenoptera); Krombein, 1959e:199 (North Carolina: Kill Devil Hills), 1963f:277 (Maryland: Plummers Island near Washington, D.C.); Scullen, 1965b:418 (in revision of North American *Cerceris*, as *compacta compacta*); Scullen and Wold, 1970:211 (distribution and summary of prey records, as *compacta compacta*); Scullen, 1972:42 (in revision of Mexican and Central American species, as *compacta compacta*); R. Bohart and Grissell, 1975:43 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); L. Davis, 1978:216 (North Carolina: Kill Devil Hills, data from Krombein, 1959e); Krombein, 1979b:1731 (in catalog of North American Hymenoptera, prey); G. Ferguson, 1984c:476 (in annotated list of North American and Caribbean *Cerceris*); Ahlstrom, 1995:114 (in checklist of insects of North Carolina); Amarante, 2002:58 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Deyrup and Eisner, 2003:522 (a Floridian, red-marked species); Buck, 2004:28 (Canada: in checklist of Crabronidae of Ontario), 31 (distribution within Ontario), 71 (first record from Canada: Ontario: Chatham); Buck, Paiero, and Marshall, 2006:41, 47 (in key to eastern Canadian *Cerceris*); Dollfuss, 2021b:571 (Mexico: Oaxaca: Tlaxiaco; USA: Illinois: Urbana Arboretum, Arizona: 8 mi. south of Summer Haven in Santa Catalina Mountains); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Ontario, first record from Alberta: no specific locality).

Cerceris huastecae de Saussure, 1867:102, ♀, ♂. Syntypes: Tamaulipas: Tampico (NHMW?). Synonymized with *Cerceris compacta* by G. Ferguson, 1984c:476. – Schletterer, 1887:494 (in checklist of world *Cerceris*); Cameron, 1890a:118 (Mexico); Dalla Torre, 1897:463 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae, as *haustecae*); Scullen, 1972:48 (in revision of Mexican and Central American species); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Ruíz Cancino, Coronado Blanco, and Horta Vega, 2005:170 (Mexico: recorded from Tamaulipas State).

Cerceris aureofacialis Cameron, 1890:112, ♂ (as *aureo-facialis*, incorrect original hyphenation). Holotype: ♂, Mexico: Orizaba (BMNH). Synonymized with *Cerceris compacta* by Scullen, 1972:42. – Dalla Torre, 1897:453 (in catalog of world Hymenoptera, as *aureofascialis*); Ashmead, 1899d:296 (in checklist of North American Sphecidae, as *ureofascialis*).

Cerceris solidaginis Rohwer, 1908e:323, ♂. Holotype or syntypes: ♂, USA: New Mexico: Las Cruces (USNM). Synonymized with *Cerceris compacta* by Scullen, 1960:77. – Banks, 1947:15 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010 (in catalog of North American Hymenoptera).

Cerceris belfragei Banks, 1917:114, ♀, ♂. Holotype: ♀, USA: Texas: no specific locality (MCZ); designation of lectotype by Ferguson, 1983b:226, was unnecessary. Synonymized with *Cerceris compacta* by Scullen, 1960:77. – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1005 (in catalog of North American Hymenoptera).

Cerceris costarica costarica Scullen, 1972:44, ♀, ♂. Holotype: ♀, Costa Rica: 3 mi. northwest of Liberia (USNM). Synonymized with *Cerceris compacta* by G. Ferguson, 1984c:476. – R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

Cerceris costarica mitla Scullen, 1972:46, ♀, ♂. Holotype: ♀, Mexico: Oaxaca: Mitla (USNM). Synonymized with *Cerceris compacta* by G. Ferguson, 1984c:476. – R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

178. *compar* Cresson

Cerceris compar Cresson, 1865c:126, ♂. Lectotype: ♂, USA: Illinois: no specific locality (ANSP), designated by Cresson, 1916:99. – Packard, 1866:60 (in key to North American *Cerceris*), 63 (bibliographic reference, geographic distribution); Patton, 1881:404 (redescription); Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:488 (in checklist of world *Cerceris*); Dalla Torre, 1897:456 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Bridwell, 1899:209 (Kansas: no specific locality); H. Smith, 1908b:368 (in revision of Nebraskan Sphecidae); Banks, 1912:25 (in revision of eastern U.S. *Cerceris*); Rohwer, 1916b: 695, 696 (in catalog of Hymenoptera of Connecticut); Mickel, 1918b:452 (in catalog of Nebraskan Sphecidae); Britton, 1920:341 (in checklist of insects of Connecticut); Rohwer *in* Viereck, 1925:695 (in key to Sphecidae of Connecticut; New Haven, Scotland); J.Ch. Bradley, 1928:1017 (in catalog of New York Sphecidae); Hendrickson, 1930:160 (Iowa); Brimley, 1938:447 (North Carolina: Cruso, Flat Rock, Hendersonville, Hoffman, Judson, Lumberton, Swannanoa); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1006 (in catalog of North American Hymenoptera); Scullen, 1965b:440 (in revision of North American *Cerceris*, as *compar compar*), 1972:59 (in revision of Mexican and Central American *Cerceris*, as *compar compar*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Krombein, 1979b:1732 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:476 (in annotated list of North American and Caribbean *Cerceris*); Ahlstrom, 1995:114 (in checklist of insects of North Carolina); Amarante, 2002:58 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: first record from Canada: Ontario: no specific locality).

Cerceris catawba Banks, 1912:25, ♀, ♂. Lectotype: ♀, USA: North Carolina: Southern Pines (MCZ), designated by G. Ferguson, 1983b:227. Synonymized with *Cerceris compar* by Scullen, 1960:77. – Mickel, 1918b:452 (in catalog of Nebraskan Sphecidae); Brimley, 1938:447 (North Carolina: Southern Pines, Swannanoa); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1006 (in catalog of North American Hymenoptera).

Cerceris jucunda carolina Banks, 1912:26, sex not stated. Lectotype: ♂, USA: North Carolina, Southern Pines (MCZ), designated by G. Ferguson, 1983b:226. Synonymized with *Cerceris compar* by Scullen *in* Muesebeck, Krombein, and Townes, 1951:1006. – Brimley, 1938:448 (North Carolina: Raleigh. Southern Pines, Willard).

Cerceris rufa Scullen, 1965b:449, ♀, ♂, junior primary homonym of *Cerceris rufa* Taschenberg, 1875. Holotype: ♀, USA: Florida: South Miami (USNM). Synonymized with *Cerceris compar* by G. Ferguson, 1984c:476.

Cerceris compar albinota Scullen, 1972:60, ♀, ♂. Holotype: ♀, USA: Arizona: Cochise County: 2 mi. northeast of Portal (AMNH). Synonymized with *Cerceris compar* by G. Ferguson, 1984c:476. – R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Krombein, 1979b:1732 (in catalog of North American Hymenoptera); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

Cerceris rubrata R. Bohart and Menke, 1976:586. Substitute name for *Cerceris rufa* Scullen, 1965. – Krombein, 1979b:1737 (in catalog of North American Hymenoptera); Deyrup and Eisner, 2003:522 (a Floridian, red-marked species).

179. *completa* Banks

Cerceris completa Banks, 1919:83, ♂. Holotype: ♂, USA: California: Claremont (MCZ). – Banks, 1947:17 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1006 (in catalog

of North American Hymenoptera); Scullen, 1965b:405 (in revision of North American *Cerceris*); R. Bohart and Grissell, 1975:44 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Krombein, 1979b:1732 (in catalog of North American Hymenoptera); G. Ferguson, 1983b:227 (study of holotype), 1984c:477 (in annotated list of North American and Caribbean *Cerceris*).

Cerceris grandis percna Scullen, 1965b:415, ♀. Holotype: ♀, USA: California: San Diego County: Werner's (USNM). Synonymized with *Cerceris completa* by R. Bohart and Grissell, 1975:44, and by R. Bohart *in* R. Bohart and Menke, 1976:579 (as new synonym).

180. *concinna* Brullé

Cerceris concinna Brullé, 1839:90, ♀, ♂. Syntypes: ♀, Canary Islands: no specific locality (MNHN). – F. Smith, 1856:442 (in catalog of Hymenoptera in British Museum); Schletterer, 1887:466 (original description copied), 489 (in checklist of world *Cerceris*), 1889b:1126 (redescription); Dalla Torre, 1897:456 (in catalog of world Hymenoptera); Shestakov, 1923:104, 114 (in key to subgenus *Apiraptrix*, bibliographic references, distribution); Bischoff, 1937b:2 (Canary Islands); Giner Marí, 1941b:152 (in revision of North African *Cerceris*); de Beaumont, 1950c:322 (study of type), 1951f:313 (Canary Islands; diagnostic characters), 1954b:2 (Canary Islands: Island of Tenerife), 1968a:255 (Canary Islands: islands of Lanzarote, Gran Canaria, Tenerife, Gomera, Hierro); Simon Thomas, 1969a:120 (Canary Islands: Island of Tenerife); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Kardas and Arozarena, 1977:145 (original description translated into Spanish), 146 (nesting habits, prey: *Halictus viridis* Brullé and *H. laetus* Brullé, Apidae); Báez and Ortega, 1978:192 (Canary Islands); Erlandsson, 1978a:205 (Canary Islands); Wolf, 1980:72 (Canary Islands); Hohmann, La Roche, Ortega, and Barquín, 1993:255 (detailed locality records from Canary Islands); K. Schmidt, 2000:150 (in revision of Western Palearctic *Cerceris*); Dollfuss, 2018:1137 (locality records from Canary Islands), 2021a:938 (Canary Islands: Gran Canaria: Maspalomas and San Augustin), 2021c:588 (Canary Islands: Gran Canaria: La Plata, Maspalomas, and San Bartolome de Tirajana at 27.92°N 15.582°W).

Cerceris lepida Brullé, 1840:90, ♂. Holotype: ♂, Canary Islands: no specific locality (lost). Synonymized with *Cerceris concinna* by de Beaumont, 1968a:255. – Schletterer, 1887:399 (in revision of Palearctic *Cerceris*), 496 (in checklist of world *Cerceris*), 1889a:901 (Russia: Sarepta, now Krasnoarmeysk south of Volgograd, an obvious misdetermination), 902 (Savigny, 1817, pl. X, Fig. 2 probably represents *lepida*, clearly a misinterpretation); Dalla Torre, 1897:466 (in catalog of world Hymenoptera); Giner Marí, 1941b:217 (in revision of North African *Cerceris*); de Beaumont, 1950c:322 (type lost, species unrecognizable), 1951f:342 (tentative identity); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Kardas and Arozarena, 1977:145 (original description translated into Spanish); Báez and Ortega, 1978:192 (Canary Islands); Ljubomirov, 2008:256 (known from La Palma, Canary Islands).

181. *confraga* Shestakov

Cerceris confraga Shestakov, 1914a:98, ♂. Holotype: ♂, Kazakhstan: Semipalatinsk, now Semey (ZIN). – R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Kazenas, 1984a:151 (in revision of *Cerceris* of Kazakhstan and Central Asia), 2001b:54 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:116 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:142 (geographic distribution, collecting localities in Kazakhstan).

182. *confusa* Giner Marí

Cerceris confusa Giner Marí, 1942b:118, ♂. Holotype: ♂, China: Shaowu (Mus. A. Koenig, Bonn). – R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Lampe, Rohwedder, Ingrisch, and Rach, 2010:116 (type material in Mus. A. Koenig, Bonn).

183. *conica* Shestakov

Cerceris conica Shestakov, 1918b:12, ♀. Holotype or syntypes: ♀, Armenia: Yerevan (ZIN). – R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Kazenas, 1984a:168 (in revision of *Cerceris* of Kazakhstan and Central Asia); K. Schmidt, 2000:51 (in revision of Western Palearctic *Cerceris*, description of ♂); Kazenas, 2001b:54 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:113 (in key to *Cerceris* of Kazakhstan and Central Asia); Yildirim and Ljubomirov, 2005:1802 (Turkey: Erzurum: Oltu: Çamlıbel and Tortum), 2007:119 (Turkey: Erzurum: University campus and Hınıs: Söleymez); Ljubomirov and Yildirim, 2008:135 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:22 (Turkey: Erzurun: Atatürk University campus); Danilov and Mokrousov, 2017b:253 (in catalog of Philanthinae of Russia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:77 (Iran: known from Lorestan Province); Mokrousov and Danilov, 2017:57 (Russia: Karachaevo-Cherkesk Republic: Teberda); Dollfuss, 2018:1137 (locality records from Azerbaijan, Iran, Turkey, and Turkmenistan); Kemal and Koçak, 2018:34 (Turkey: in list of pterygot insects of Van Province); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:8 (Azerbaijan: Nakhichevan Autonomous Republic); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:16 (Iran: known from Lorestan Province); Dollfuss, 2021a:938 (Turkey: Gürün and Kardut 50 km northeast of Adijaman), 2021c:588 (locality records from Armenia, Georgia, Iran, Israel, Kazakhstan, Turkey, and Turkmenistan); Kaplan and Yildirim, 2021:94 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:13 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1689 (in checklist of Sphecidae *sensu lato* of Turkey).

184. *conifera* Krombein

Cerceris conifera Krombein, 1981:47, ♀, ♂. Holotype: ♀, Sri Lanka: Sabaragamuwa Province: Gilimale (USNM). – Krombein, 1981:14 (nesting habits; prey: Eucharitidae).

185. *conifrons* Mickel

As *Cerceris rufinoda crucis*: H. Smith, 1908:370, part (in revision of Nebraskan Sphecidae), corrected to *Cerceris conifrons* by Mickel, 1916a:410.

Cerceris conifrons Mickel, 1916a:410, ♀. Holotype: ♀, USA: Nebraska: Harrison (UNL). – Mickel, 1918b:450 (in catalog of Nebraskan Sphecidae); Banks, 1947:31 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1006 (in catalog of North American Hymenoptera); Muma, 1952:17 (holotype in UNL), 24 (paratypes in UNL); Scullen, 1965b:367 (in revision of North American *Cerceris*); G. Bohart, Nye, and Hawthorn, 1970:48 (Utah: Logan, onion pollinator); Scullen, 1972:20 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Grissell, 1975:44 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Evans and Rubink, 1978:61 (nesting habits); Krombein, 1979b:1732 (in catalog of North American Hymenoptera); Rust, Hanks, and Bechtel, 1983:406 (Nevada: Churchill County: Sand Mountain); G. Ferguson, 1984c:477 (in annotated list of North American and Caribbean *Cerceris*); Weissmann and Kondratieff, 1999:78 (Colorado: Great Sand Dunes National Monument); Amarante, 2002:58 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Horta Vega, Pinson Domínguez, Barrientos Lozano, and Correa Sandoval, 2007: 45 (Mexico: Tamaulipas); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Allberta, Manitoba: no specific locality).

186. *constricta* Guichard

Cerceris constricta Guichard, 1993a:162, ♀, ♂ (as *constrictus*, incorrect original termination). Holotype: ♀, Saudi Arabia: Wadi Majarish below Taif (BMNH). – Gadallah and Assery, 2004a:233 (in catalog of Sphecidae of Saudi Arabia); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:357 (in new catalog

of Sphecidae of Saudi Arabia); Dollfuss, 2020a:96 (probably a junior synonym of *Cerceris egena* Arnold); Gadallah, 2020b:63 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021c:589 (Yemen: 20 km northwest of Dhawran at 14°40'N 44°13'E); Malash, Edmardash, and Gadallah, 2022:14 (in catalog of Middle Eastern and North African Philanthinae); Dollfuss,2023:408 (Oman).

187. *contigua* (Villers)

Crabro quinquecinctus Fabricius, 1787:295, sex not stated. Syntypes: Germany: Kiel; Spain: no specific locality (ZMUC). – **As *Philanthus quinquecinctus***: Fabricius, 1790:225 (new generic assignment, redescription); Olivier, 1792:514 (redescription); Fabricius, 1793:291 (redescription), 1796:137 (in Index to his Entomologia Systematica, 1793); Panzer, 1799, Heft 63:12 (in revision of German insects, illustration of habitus); Fabricius, 1804:304 (redescription); Panzer, 1806:175 (in critical review of his earlier work); Jurine, 1807:202 (in checklist of European *Philanthus*); Thunberg, 1815a:128 (diagnostic characters), 138 (redescription), 1815b:289 (diagnostic characters), 294 (redescription); Dahlbom, 1845:XXIV (specimens in collection Fabricius examined, treated as new synonym of *Cerceris arenaria*); Peets, 1909-1911:68 (*Philanthus quinquecinctus* of Panzer = *Cerceris arenaria*); van der Vecht, 1961a:64 (discussion of type material); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino). – **As *Cerceris quinquecincta***: nec Stephens, 1829a:367 and 1829b:34 (= *Cerceris interrupta*); Dalla Torre, 1897:451 (as tentative synonym of *Cerceris arenaria*); van der Vecht, 1961a:64 (description of male in Fabricius collection, not true type).

Sphex contigua Villers, 1789:246. Substitute name for *Sphex quinquecincta* (Fabricius, 1787) de Villers, 1789, nec *Sphex quinquecincta* (Fabricius, 1775) de Villers, 1789 (described in *Tiphia*, now in *Myzinum*). – **As *Cerceris contigua***: R. Bohart and Menke, 1976:579 (new generic assignment, in checklist of world Sphecidae); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

Vespa cingulata Gmelin, 1790:2762 Substitute name for *Vespa quinquecincta* (Fabricius, 1787) nec *Vespa quinquecincta* Fabricius, 1775. – Klug *in* Waltl, 1835:87 (in list of Hymenoptera of Andalusia, as *cingulata* Klug).

Vespa quinquelineata Turton, 1801:529. Substitute name for *Vespa quinquecincta* (Fabricius, 1787) nec *Vespa quinquecincta* Fabricius, 1775. – van der Vecht, 1960:6 (history of name).

? *Crabro quinquecinctus* Schrank, 1802:335, sex not stated. Holotype orsyntypes:Germany: Bayern: Ingoldstadt (depository?). Tentatively synonymized with ..

188. *convergens* Viereck and Cockerell

Cerceris convergens Viereck and Cockerell, 1904b:136, ♀. Holotype: ♀, USA: New Mexico: Alamogordo (ANSP). – Cresson, 1928:49 (holotype in ANSP); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1006 (in catalog of North American Hymenoptera); Scullen, 1965b:369 (in revision of North American *Cerceris*); G. Bohart, Nye, and Hawthorn, 1970:48 (Utah: Logan, onion pollinator); Horning and Barr, 1970:106 (Idaho: Craters of the Moon National Monument); Scullen, 1972:20 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Grissell, 1975:45 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Krombein, 1979b:1732 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:477 (in annotated list of North American and Caribbean *Cerceris*); Rust, Menke, and Miller, 1985:47 (California: Channel Islands); Frommer, 1988:93 (California: Riverside County: Deep Canyon); Blades and Maier, 1996:72 (Canada: British Columbia: Osoyoos - Mount Kobau area at 119°40'W 49°05'N); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Ratzlaff, 2016:28 (Canada: British Columbia: from Scullen, 1965 and Krombein, 1979); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: British Columbia: no specific locality).

Cerceris rinconis Viereck and Cockerell, 1904b:137, ♀. Holotype: ♀, USA: New Mexico: Rincon (ANSP). Synonymized with *Cerceris convergens* by Scullen, 1942:188. – Snow, 1906:9 (Arizona); Cresson, 1928:49 (holotype in ANSP).

Cerceris hesperina Banks, 1917:115, ♀, ♂. Holotype: ♀, USA: Washington: Ainsworth (MCZ); designation of lectotype by G. Ferguson, 1983b:229, was unnecessary. Synonymized with *Cerceris convergens* by Scullen *in* Muesebeck, Krombein, and Townes, 151: 91006. – Banks, 1947:34 (in revision of eastern U.S. *Cerceris*).

Cerceris pudorosa Mickel, 1918a:338, ♀, ♂. Holotype: ♀, USA: California: Auburn (UNL). Synonymized with *Cerceris convergens* by Scullen, 1942:188. – Muma, 1952:17 (holotype in UNL).

Cerceris snowi Banks, 1919:84, ♂. Lectotype: ♂, USA: Arizona: Tucson (MCZ), designated by G. Ferguson, 1983b:232. Synonymized with *Cerceris convergens* by Scullen *in* Muesebeck, Krombein, and Townes, 1951:1006. – Banks, 1947:31 (in revision of eastern U.S. *Cerceris*).

189. *cooperi* Scullen

Cerceris cooperi Scullen, 1972:43, ♀, ♂. Holotype: ♀, Costa Rica: 6 mi. west of Turrialba (USNM). – R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); G. Ferguson, 1984c:477 (in annotated list of North American and Caribbean *Cerceris*); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

190. *copiapoensis* Sielfeld

Cerceris copiapoensis Sielfeld, 1971:256, ♀. Holotype: ♀, Chile: Atacama Desert: Copiapó (W. Sielfeld collection). – not listed by Bohart and Menke, 1976; Sielfeld, 1980b:75 (in checklist of Chilean Sphecidae); Amarante, 2002:58 (in catalog of Neotropical Crabronidae), 2005a:12 (correction to his 2002 catalog).

191. *cordillera* Pérez d'Angello and Toro

Cerceris cordillera Pérez d'Angello and Toro, 1972:189, ♀. Holotype: ♀, Chile: Santiago: Cajón del Yeso (Mus. Nac. Hist. Nat., Chile). – R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae, incorrectly dated 1973); Sielfeld, 1980b:75 (in checklist of Chilean Sphecidae); Amarante, 2002:58 (in catalog of Neotropical Crabronidae).

192. *coreensis* Tsuneki

Cerceris coreensis Tsuneki, 1961c:45, ♀, ♂. Holotype: ♀, Korea: Shoyozan (originally K. Tsuneki coll., now USNM). – Tsuneki, 1961c:11, 18 (in key to *Cerceris* of northeastern Asia), 1982b:19 (known from Korea); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Kazenas, 1979d:76 (Russia: Primorskiy Kray; diagnostic characters), 84, 88 (in key to *Cerceris* of Russian Far East); Paik, 1985:203 (in list of Sphecidae of Korea); Nuhn and Menke, 1994:25 (holotype transferred to USNM); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:472, 479 (in key to Sphecidae of Russian Far East); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia), 2009b:147 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia); Nemkov, 2012c:447 (in catalog of Crabronidae of Russian Far East); J.-K. Kim, 2014:447 (in catalog of Sphecidae *sensu lato* of Korean Peninsula); Danilov and Mokrousov, 2017b:253 (in catalog of Philanthinae of Russia); Dollfuss, 2021c:589 (Mongolia: 50 km north of Ulanbaator river east of Mandal).

193. *cornigera* (Gmelin)

Crabro cornutus Fabricius, 1787:294, ♀. Holotype: ♀, India: no specific locality (ZMUC). – Olivier, 1792:512 (redescription); Fabricius, 1793:293 (redescription), 1804:308 (redescription); Lepeletier de Saint Fargeau and Brullé, 1835:807 (discussion of species identity); Dahlbom, 1844:219 (tentatively placed in *Cerceris*); W. Schulz, 1906:205 (omitted by Bingham, 1897). – **As *Vespa cornuta***: Gmelin, 1790:2761 (new generic assignment). – **As *Cerceris cornutus***: W. Schulz, 1912:90 (new generic assignment, runs to *Cerceris wroughtoni* in Bingham, 1897 key, but otherwise conspicuously different, redescription); Dalla Torre, 1897:456 (in catalog of world Hymenoptera); van der Vecht, 1961a:66 (study of type material).

Vespa cornigera Gmelin, 1790:2761 (Art. 59.3). Substitute name for *Vespa cornuta* (Fabricius, 1787) Gmelin, nec Linnaeus, 1758 (now in *Synagris*). – **As *Cerceris cornigera***: R. Bohart and Menke, 1976:579 (new generic assignment, in checklist of world Sphecidae).

194. *cornigena* Tsuneki

Cerceris cornigena Tsuneki *in* Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:73, ♀. Holotype (Tsuneki, 1993:38): ♀, Philippines: Mindanao: Bukidnon: Sungeo (USNM). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:47 (in key to *Cerceris* of Philippines).

195. *cortezi* Scullen

Cerceris insolita cortezi Scullen, 1972:64, ♀, ♂. Holotype: ♀, Mexico: Morelos: Cuernavaca (USNM). – R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae). – **As *Cerceris cortezi***: G. Ferguson, 1984c:477 (full species status, in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:58 (in catalog of Neotropical Crabronidae), 2005a:12 (correction to his 2002 catalog); Dollfuss, 2021b:571 (Ecuador: Tungurahua: Baños).

196. *crandalli* Scullen

Cerceris crandalli Scullen, 1965b:372, ♀, ♂. Holotype: ♀, USA: Arizona: Tucson (USNM). – Scullen, 1968a:157-158 (illustrations), 1972:22 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Krombein, 1979b:1732 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:478 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:58 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

197. *crenulifer* Kazenas

Cerceris crenulifer Kazenas, 1974a:97, ♀, ♂. Holotype: ♀, Kazakhstan: Semirechye: 17 km northwest of Bakanas (ZIN or V.L. Kazenas coll.?). – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae); Kazenas, 1978b:69, 70 (in key to Sphecidae of Kazakhstan and Central Asia, as *crenulifera*), 1984a:199 (in revision of *Cerceris* of Kazakhstan and Central Asia) Kazenas, 1992c:29 (Turkmenistan: Repetek Nature Reserve); Esenbekova and Kazenas, 2000:73 (southeastern Kazakhstan: near landing place Dubun' on Ili River, 30 km south of Koktal); Kazenas, 2001b:54 (in checklist of Sphecidae of Kazakhstan and Central Asia), 251 (preys on curculionids), 2001d:121, 123 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:142 (geographic distribution, collecting localities in Kazakhstan), 2013b:499 (southeastern Kazakhstan: near landing place Dubun' on Ili River, 30 km south of Koktal); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

198. *cribrosa* Spinola

Cerceris cribrosa Spinola, 1842:119, ♀, ♂. Lectotype: ♀, French Guiana: Cayenne (M. Spinola collection, Torino), designated by G. Ferguson, 1984b:433. Designation of neotype by Scullen, 1972:23, was invalid. – F. Smith, 1856:464 (in catalog of Hymenoptera in British Museum); Schletterer, 1887:489 (in checklist of world *Cerceris*); Dalla Torre, 1897:457 (in catalog of world Hymenoptera); Scullen, 1972:22 (in revision of Mexican and Central American *Cerceris*, as *cribosa*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); G. Ferguson, 1984c:478 (in annotated list of North American and Caribbean *Cerceris*); Elliott and Elliott, 1987:397 (Panama: Gamboa; nest usurpation); Callan, 1990d:197 (nest and prey), 1991a:12 (Trinidad); Cambra and Santos, 2000:50 (Panama: Parque Nacional Coiba in Isla de Coiba, Pacific Ocean); Melo, 2000:98 (nest usurpation and temporary association with nest owner, as *cribosa*); Amarante, 2002:58 (in catalog of Neotropical Crabronidae, as *cribosa*); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae, as *cribosa*); Starr and Hook, 2003:21 (in catalog of

Aculeata of Trinidad, West Indies); Amarante, 2005a:12 (correction to his 2002 catalog); Ruíz Cancino, Coronado Blanco, and Horta Vega, 2005:170 (Mexico: recorded from Tamaulipas State, as *cribosa*); Horta Vega, Pinson Domínguez, Barrientos Lozano, and Correa Sandoval, 2007: 45 (Mexico: Tamaulipas, as *cribosa*); Pagliano, 2014:109 (specimens in M. Spinola collection, Torino, including lectotype); Vanoye-Eligio, Meléndez-Ramírez, Ayala, Navarro, and Delfín-González, 2014:638 (Mexico: Yucatán Peninsula, as *cribosa*); Vanoye-Eligio, Meléndez-Ramírez, Ayala, Navarro-Alberto, and Delfin-González, 2015:993 (Mexico: in list of Sphecidae *sensu lato* of Yucatán, as *cribosa*); Dollfuss, 2021b:571 (French Guiana: several localities; Peru: Yuyapichs District: Panguana) .

Cerceris subpetiolata de Saussure, 1867:95, ♀, ♂. Lectotype: ♀, Mexico: Veracruz: Cordoba (NHMW), designated by G. Ferguson, 1984b:439. Synonymized with *Cerceris cribrosa* by Scullen, 1961:46. – Schletterer, 1887:503 (in checklist of world *Cerceris*); Cameron, 1890a:120 (Guatemala, Mexico; redescription); Dalla Torre, 1897:478 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Dollfuss, 1989:8 (lectotype in NHMW).

Cerceris pullata F. Smith, 1873b:105, ♀ (as *pullatus*, incorrect original termination). Lectotype: ♀, Brazil: Amazonas: São Paulo de Olivença (BMNH), designated by G. Ferguson, 1984b:438. Synonymized with *Cerceris cribrosa* by Scullen, 1962:57. – Schletterer, 1887:499 (in checklist of world *Cerceris*); Dalla Torre, 1897:470 (in catalog of world Hymenoptera).

Cerceris albimana Taschenberg, 1875:395, ♀. Lectotype: ♀, Venezuela: no specific locality (Halle), designated by Scullen, 1962:57. Synonymized with *Cerceris cribrosa* by Scullen, 1962:57. – Schletterer, 1887:485 (in checklist of world *Cerceris*); Dalla Torre, 1897:450 (in catalog of world Hymenoptera).

199. *cristovalensis* Krombein

Cerceris cristovalensis Krombein, 1969b:14, ♀. Holotype: ♀, Solomon Islands: Island of San Critoval: Bweinaniawarikiapu (Bishop Mus.). – R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae).

200. *crotonella* Viereck and Cockerell

Cerceris crotonella Viereck and Cockerell, 1904b:139, ♀. Holotype: ♀, USA: New Mexico: Las Cruces (ANSP). – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1007 (in catalog of North American Hymenoptera); Scullen, 1965b:374 (in revision of North American *Cerceris*); Evans, 1971:510 (preying on Nitidulidae); Scullen, 1972:24 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Evans and Rubink, 1978:61 (nesting habits); Krombein, 1979b:1732 (in catalog of North American Hymenoptera, prey); Rust, Hanks, and Bechtel, 1983:406 (Nevada: Churchill County: Sand Mountain); G. Ferguson, 1984b:433 (comments on holotype), 1984c:478 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:58 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

201. *crucis* Viereck and Cockerell

Cerceris rufinoda var. *crucis* Viereck and Cockerell, 1904b:139, ♀. Lectotype: ♀, USA: New Mexico: Las Cruces (ANSP), designated by G. Ferguson, 1984b:433. – nec H. Smith, 1908:370, partly (= *Cerceris conifrons* and *echo*); Mickel, 1918b:453 (in catalog of Nebraskan Sphecidae); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010 (in catalog of North American Hymenoptera); R. Bohart and Grissell, 1975:50 (as new synonym of *Cerceris rufinoda*); R. Bohart and Menke, 1976:586 (as new synonym of *Cerceris rufinoda* by R. Bohart). – **As *Cerceris rufinoda crucis***: Stevens, 1917:422 (new status, North Dakota); Scullen, 1965b:395 (in revision of North American *Cerceris*, new status); Amarante, 2005a:12 (addition to his 2002 catalog), 2005a:13 (correction to his 2002 catalog). – **As *Cerceris crucis***: G. Ferguson, 1984c:478 (full species status, in annotated list of North American and Caribbean *Cerceris*); Blades and Maier, 1996:72 (Canada: British Columbia: Osoyoos - Mount Kobau area at 119°40'W 49°05'N); Buck, 2004:28 (Canada: in checklist of Crabronidae of Ontario), 31 (distribution within Ontario), 71 (first record from Ontario:

Chatterton, Leamington, Windsor); Buck, Paiero, and Marshall, 2006:41, 46 (in key to eastern Canadian *Cerceris*); Ratzlaff, 2016:28 (Canada: British Columbia: from Krombein, 1979 and Buck, 2004); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Alberta, Ontario, Saskatchewan: no specific locality).

Cerceris cleomae Rohwer, 1908e:325, ♂. Holotype or syntypes: ♂, USA: Colorado: Denver (USNM). Synonymized with *Cerceris crucis* by G. Ferguson, 1984c:478. – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1006 (in catalog of North American Hymenoptera); Scullen, 1965b:366 (in revision of North American *Cerceris*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Krombein, 1979b:1731 (in catalog of North American Hymenoptera).

Cerceris finitima nigroris Banks, 1912:27, ♂. Lectotype: ♂, USA: Virginia: Falls Church (MCZ), designated by G. Ferguson, 1983b:230. Synonymized with *Cerceris finitima* by Scullen, 1965b:378, and with *Cerceris crucis* by G. Ferguson, 1984c:478. – Mickel, 1918b:453 (in catalog of Nebraskan Sphecidae); Brimley, 1938:447 (North Carolina: Raleigh); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1007 (in catalog of North American Hymenoptera, as *finitima* var. *nigroris*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae, as synonym of *Cerceris finitima*).

As *Cerceris rufinoda* (collectively corrected to *Cerceris crucis* by G. Ferguson, 1984c:478): Viereck and Cockerell, 1904b:138 (in revision of New Mexico *Cerceris*); H. Smith, 1908b:370 (in revision of Nebraskan Sphecidae); Banks, 1912:26 (in revision of eastern U.S. *Cerceris*); Stevens, 1917:422 (North Dakota); Mickel, 1918b:452 (in catalog of Nebraskan Sphecidae); Strandtmann, 1945a:311 (nest and prey); Scullen, 1965b:392 (in revision of North American *Cerceris*, as *rufinoda rufinoda*); Tsuneki, 1965d:3 (prey record summary: Curculionidae); Scullen, 1972:36 (in revision of Mexican and Central American species); R. Bohart and Grissell, 1975:50 (in revision of Philanthinae of California); Piek and Spanjer, 1986:182 (in list of Sphecidae with known prey); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Ohl and Linde, 2003:151 (number of ovarioles).

202. *cucullata* Bingham

Cerceris cucullata Bingham, 1912:375, ♂. Holotype: ♂, Australia: Northern Territory: Port Essington (OXUM). – R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae, as *culcullata*); Cardale, 1985:298 (in catalog of Australian Sphecidae).

203. *cuernavaca* Scullen

Cerceris cuernavaca Scullen, 1972:46, ♀. Holotype: ♀, Mexico: Morelos: Cuernavaca (USNM). – R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); G. Ferguson, 1984c:479 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:58 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

204. *cuica* Fritz and Mariluis

Cerceris cuica Fritz and Mariluis, 1976:109, ♀. Holotype: ♀, Bolivia: Santa Cruz de la Sierra (originally M. Fritz coll., now MACN). – Fritz, 1993:17 (holotype in M. Fritz coll.); Amarante, 2005a:5 (in addendum to his 2002 catalog of Neotropical Crabronidae and Sphecidae); Dollfuss, 2021b:571 (Ecuador: Napo: Loreto 70 km southwest of Coca and 8 km south of Puerto Napo).

205. *cunnamulla* Evans

Cerceris cunnamulla Evans, 1982a:366, ♀, ♂. Holotype: ♀, Australia: Queensland: 30 km south of Cunnamulla (ANIC). Paratypes: Australia: New South Wales, Northern Territory, South Australia, Western Australia. – Cardale, 1985:298 (in catalog of Australian Sphecidae).

206. *cupes* Shestakov

Cerceris cupes Shestakov, 1918a:127, ♀. Holotype or syntypes: ♀, Kyrgyzstan: Talass Ala-Tau (ZIN). – R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Kazenas, 1978b:64 (in key to Sphecidae of

Kazakhstan and Central Asia), 1984a:111 (in revision of *Cerceris* of Kazakhstan and Central Asia); Esenbekova and Kazenas, 2000:73 (southeastern Kazakhstan: 5 km west of Alma Ata); Kazenas, 2001b:54 (in checklist of Sphecidae of Kazakhstan and Central Asia), 251 (nest and curculionid prey), 2001d:113, 115 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:142 (geographic distribution, collecting localities in Kazakhstan), 2004b:112 (Kazakhstan: western Tien Shan); Yildirim and Ljubomirov, 2005:1802 (first record from Turkey: Erzurum: Pasinler); Ljubomirov and Yildirim, 2008:135 (in catalog of Crabronidae of Turkey); Kazenas, 2014a:139 (Kazakhstan: Karatau Mountain Range); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Danilov and Mokrousov, 2017b:253 (in catalog of Philanthinae of Russia); Mon:krousov and Danilov, 2017:57 (Russia: Altai Republic: Kosh Agach District: Kuray steppe at 50.17°N, 87.90°E); Dollfuss, 2018:1138 (locality records from Kazakhstan and Kyrgyzstan), 2021a:939 (Kyrgyzstan: Jalalabad District: near Bospiek at 41°31'36"N 71°50'40"E; Uzbekistan: Aktash near Tashkent), 2021c:589 (locality records from China, Kazakhstan, Kyrgyzstan, Mongolia, Tajikistan, ad Uzbekistan); Kaplan and Yildirim, 2021:94 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:14 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1689 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

Cerceris pulawskii Kazenas, 1972b:136, ♀, junior primary homonym of *Cerceris pulawskii* Tsuneki, 1971. Holotype: ♀, Kazakhstan: Alma-Ata Oblast': Chiilik River valley (V.L. Kazenas coll., now ZIN?).

Cerceris kazenasi Pulawski *in* R. Bohart and Menke, 1976:583. Substitute name for *Cerceris pulawskii* Kazenas, 1972. Synonymized with *Cercerisa cupes* by Kazenas, 1978b:61.

207. *curculionicida* Krombein

Cerceris curculionicida Krombein, 1981:49, ♀, ♂. Holotype: ♀, Sri Lanka: Central Province: Kandy (USNM).

208. *curita* Fritz and Mariluis

Cerceris curita Fritz and Mariluis, 1979:30, ♀, ♂. Holotype: ♀, Argentina: Entre Ríos: Arroyo Urquiza in Colón Departamento (originally M. Fritz coll., now MACN). – Fritz, 1993:17 (holotype in M. Fritz coll.); Amarante, 2002:58 (in catalog of Neotropical Crabronidae).

209. *curo* Tsuneki

Cerceris curo Tsuneki *in* Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:75, ♂. Holotype: ♂, Philippines: Mindanao: Cagayan de Oro: Malaybalay (USNM). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:50 (in key to *Cerceris* of Philippines); Nuhn and Menke, 1994:25 (holotype transferred to USNM).

210. *curvitarsis* Schletterer

Cerceris curvitarsis Schletterer, 1887:499, ♂. Holotype: ♂, South Africa: Cape Province (Eastern or Western?): no specific locality (NHMW). – Brauns, 1911a:239 (South Africa, floral records); Bischoff, 1913b:119 (Botswana: Sekuma in Kakia District); Brauns, 1926:308 (in revision of Afrotropical *Cerceris*); Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:142, 147 (in key to Afrotropical *Cerceris*), 1935a:499 (South Africa: Kalahari); de Beaumont, 1967b:506 (South Africa: Western Cape Province: 20 mi. east-northeast of Bredasdorp); Empey, 1969a:303 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Empey, 1983:167 (bibliographic reference, type material examined); Dollfuss, 1989:8 (holotype in NHMW); S. Gess, 1996:274 (floral records); S. Gess and F. Gess, 2003:130 (Namibia, South Africa: visiting flowers of *Brownanthus kuntzei* (Schinz) Ihlenf. and Bittrich, *Psilocaulon glareosum* (Berger) Dinter and Schwant., *Aizoanthemum ginteri* (Schinz) Friedrich, and *Galenia papulosa* (Eckl. and Zeyh.) Sond., Aizoaceae, *Hermbstaedtia odorata* (Burch.) T. Cooke, Amaranthaceae, *Asclepias buchenaviana* Schinz, Apocynaceae, *Ocimum americanum* L., Lamiaceae, *Acacia caffra* (Thunb.) Willd. and *Acacia karroo* Hayne, Fabaceae, *Limeum myosotis* M. Walter, Molluginaceae,

and *Zygophyllum retrofractum* Thunb., Zygophyllaceae); Dollfuss, 2020a:95 (locality records from Namibia and south Africa).

Cerceris oneili Cameron, 1905m:220, ♀, ♂. Lectotype: ♀, South Africa: Eastern Cape Province: Dunbrody at 33°29'S 25°33'E (BMNH), designated by Empey, 1983:167. Synonymized with *Cerceris curvitarsis* by Brauns, 1911a:239, W. Schulz, 1911b:1170, and Brauns, 1926:308. – Cameron, 1910:150 (South Africa: Gauteng: Pretoria).

211. *cuthbertsoni* Arnold

Cerceris cuthbertsoni Arnold, 1946:86, ♀. Holotype: ♀, Zimbabwe: Silozi (SAM). – Empey, 1969a:304 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Empey, 1983:167 (bibliographic reference, holotype examined).

212. *cyclops* Krombein

Cerceris cyclops Krombein, 1969b:15, ♀. Holotype: ♀, Indonesia: Irian Jaya (= Indonesian New Guinea): Sabron in Cyclops Mountains (BMNH). – R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae).

213. *darrensis* Cockerell

Cerceris darrensis Cockerell, 1930:34, ♀. Holotype: ♀, Australia: Queensland: Brisbane: Darra (Queensland Museum, Brisbane). – Tsuneki, 1968e:4 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Evans, 1982a:363 (in revision of Eastern Australian *Cerceris*); Cardale, 1985:298 (in catalog of Australian Sphecidae).

214. *decorata* Brèthes

Cerceris decorata Brèthes, 1910a:268, ♂. Holotype: ♂, Argentina: Mendoza: Mendoza (depository unknown: Fritz, 1968b:166). – Jörgensen, 1912:287 (Argentina: Mendoza Province); Schrottky, 1913a:229 (Argentina: Mendoza); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Genise, 1990:26 (depository of type material unknown).

215. *dedariensis* R. Turner

Cerceris dedariensis R. Turner, 1936:534, ♀. Holotype or syntypes: ♀, Australia: Western Australia: Dedari 40 mi. west of Coolgardie (BMNH). – Tsuneki, 1968e:3 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Cardale, 1985:298 (in catalog of Australian Sphecidae).

216. *dejecta* Arnold

Cerceris dejecta Arnold, 1931:162, ♀. Holotype: ♀, Kenya: Makinda (BMNH). – Arnold, 1931:139 (in key to Afrotropical *Cerceris*); Empey, 1969a:304 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Empey, 1983:167 (bibliographic reference, holotype examined).

217. *delhiensis* Coumar and Dey

Cerceris delhiensis Coumar and Dey, 2008:339, ♀, ♂. Holotype: ♂, India: Delhi (National Pusa Collection, Division of Entomology, Indian Agricultural Research Institute, New Dalhi, India).

218. *dentata* Cameron

Cerceris dentata Cameron, 1890:260, ♀. Lectotype: ♀, India: Barrackpore or Poona (OXUM), designated by Empey, 1984:76. – Cameron, 1890b:248 (India: Barrackpore, Poona); Bingham, 1897:300 (in key to *Cerceris* of British India), 302 (in revision of *Cerceris* of British India); Dalla Torre, 1897:457 (in catalog of world Hymenoptera); R. Turner, 1912e:796 (in revision of *Cerceris* of Indian subcontinent); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Empey, 1984:76 (in checklist of Oriental *Cerceris* described by Cameron).

219. *dentifrons* Cresson

Cerceris dentifrons Cresson, 1865c:124, ♀. Lectotype: ♀, USA: Illinois: no specific locality (ANSP), designated by Cresson, 1916:100. – Packard, 1866:60 (in key to North American *Cerceris*), 63 (bibliographic reference, geographic distribution); Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:489 (in checklist of world *Cerceris*); Dalla Torre, 1897:457 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); J. Smith, 1900:519 (in list of insects of New Jersey), 678 (in new list of insects of New Jersey); Banks, 1912:18 (in revision of eastern U.S. *Cerceris*); Rohwer, 1916b:696 (in catalog of Hymenoptera of Connecticut); Stevens, 1917:422 (North Dakota); Mickel, 1918b:448 (in catalog of Nebraskan Sphecidae); Britton, 1920:341 (in checklist of insects of Connecticut); J.Ch. Bradley, 1928:1017 (in catalog of New York Sphecidae); Brimley, 1938:447 (North Carolina: Blowing Rock); Scullen in Muesebeck, Krombein, and Townes, 1951:1007 (in catalog of North American Hymenoptera); Scullen, 1965b:476 (in revision of North American *Cerceris*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Krombein, 1979b:1732 (in catalog of North American Hymenoptera); Finnamore, 1982:251 (in Sphecid Fauna of southern Quebec); G. Ferguson, 1984c:479 (in annotated list of North American and Caribbean *Cerceris*); Kurczewski and Acciavatti, 1990:61 (New York: Cayuga County); Ahlstrom, 1995:114 (in checklist of insects of North Carolina); Buck, 2004:28 (Canada: in checklist of Sphecidae of Ontario); Buck, Paiero, and Marshall, 2006:46, 48 (in key to eastern Canadian Cerceris); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Ontario, Quebec, first record from Manitoba: no specific locality).

220. *dentiventris* Arnold

Cerceris dentiventris Arnold, 1945:35, ♀, ♂. Syntypes: Madagascar: Behara, Bekily, Ivondro (MNHN). – R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Empey, 1983:167 (bibliographic reference, holotype examined); Madl, 1997:821 (Madagascar: Island of Nosy Boraha, as *dentriventris*), 822 (in checklist of Nosy Boraha Sphecidae, as *dentriventris*); Pulawski, 2003b:799 (in checklist of Malagasy Sphecidae); Madl, 2014a:999 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records); Dollfuss, 2020a:95 (Madagascar: Island of Nosy Mangabe).

221. *deserta* Say

Cerceris deserta Say, 1824:343, ♂. Syntypes: ♂, USA: Northwest Territory (now area around Great Lakes and between Ohio and Mississippi Rivers), Missouri, and Pennsylvania: no specific localities (destroyed). Neotype: ♂, South Dakota (MCZ), designated by Scullen, 1965a:479, see also G. Ferguson, 1984b:434. – F. Smith, 1856:465 (in catalog of Hymenoptera in British Museum); Cresson, 1862:237 (in catalog of North American Hymenoptera), 1865c:125 (in revision of North American Philanthinae); Packard, 1866:60 (in key to North American *Cerceris*), 63 (bibliographic reference, geographic distribution); Cresson, 1876:207 (Colorado: Denver, as *deserta* Cresson); Snow, 1881:95 (in checklist of Hymenoptera of Kansas: Douglas County: no specific locality); Provancher, 1883b:645 (in revision of Canadian Hymenoptera); Taylor, 1884:80 (Canada: British Columbia: Island of Vancouver); Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:489 (in checklist of world *Cerceris*); Ashmead, 1890:32 (in checklist of Hymenoptera of Colorado); Dalla Torre, 1897:457 (in catalog of world Hymenoptera); G. Peckham and E. Peckham, 1898:115 (nesting habits); Bridwell, 1899:209 (Kansas: no specific locality); J. Smith, 1900:519 (in list of insects of New Jersey); G. Peckham and E. Peckham, 1905:143, 152 (nest structure, preying on beetles, prey carried with mandibles); H. Smith, 1908b:367 (in revision of Nebraskan Sphecidae); J. Smith, 1910:678 (in new list of insects of New Jersey); Banks, 1912:18 (in revision of eastern U.S. *Cerceris*); Rohwer, 1916b:695, 696 (in catalog of Hymenoptera of Connecticut); Stevens, 1917:422 (North Dakota); Mickel, 1918b:449 (in catalog of Nebraskan Sphecidae); Britton, 1920:341 (in checklist of insects of Connecticut); Rohwer *in* Viereck, 1925:695, 696 (in key to Sphecidae of Connecticut; New

Haven); J.Ch. Bradley, 1928:1017 (in catalog of New York Sphecidae); Brimley, 1938:447 (North Carolina: Boone, Swannanoa); Strickland, 1947:130 (Canada: Alberta: Lethbridge, Medicine Hat); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1007 (in catalog of North American Hymenoptera); Scullen, 1965b:477 (in revision of North American *Cerceris*); Tsuneki, 1965d:3 (prey record summary: Curculionidae); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Krombein, 1979b:1732 (in catalog of North American Hymenoptera, prey); Finnamore, 1982:252 (in Sphecid Fauna of southern Quebec); G. Ferguson, 1984c:479 (in annotated list of North American and Caribbean *Cerceris*); Piek and Spanjer, 1986:182 (in list of Sphecidae with known prey); Kurczewski and Acciavatti, 1990:61 (New York: Cayuga County); Ahlstrom, 1995:114 (in checklist of insects of North Carolina); Buck, 2004:28 (in checklist of Sphecidae of Ontario, Canada); Buck, Paiero, and Marshall, 2006:45, 48 (in key to eastern Canadian *Cerceris*); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Alberta, New Brunswick, Ontario, Quebec, first record from Manitoba and Saskatchewan: no specific locality).

Cerceris fulvipes Cresson, 1865c:125, ♀, junior primary homonym of *Cerceris fulvipes* Eversmann, 1849. Lectotype: ♀, USA: Delaware: no specific locality (ANSP), designated by Cresson, 1916:100. Synonymized with *Cerceris deserta* by Scullen, 1942:187. – Packard, 1866:60 (in key to North American *Cerceris*), 63 (bibliographic reference, geographic distribution); Patton, 1879d:360 (northwestern Kansas); Cresson, 1887:282 (in catalog of North American Hymenoptera); C. Robertson, 1894:453 (visiting flowers of *Eupatorium serotinum* Michx., Asteraceae), 455 (visiting flowers of *Solidago canadensis* Linnaeus, Asteraceae); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Bridwell, 1899:209 (Kansas: no specific locality); J. Smith, 1910:678 (in new list of insects of New Jersey); Gibson, 1913:124 (Canada: Ontario: Ottawa).

Cerceris fulvipediculata Schletterer, 1887:492. Substitute name for *Cerceris fulvipes* Cresson. – Dalla Torre, 1897:461 (in catalog of world Hymenoptera); H. Smith, 1908b:368 (in revision of Nebraskan Sphecidae); Banks, 1912:24 (in revision of eastern U.S. *Cerceris*); Rohwer, 1916b: 695, 696 (in catalog of Hymenoptera of Connecticut); Stevens, 1917:422 (North Dakota); Mickel, 1918b:451 (in catalog of Nebraskan Sphecidae); Britton, 1920:342 (in checklist of insects of Connecticut); Brimley, 1938:447 (North Carolina: Swannanoa); Strickland, 1947:130 (Canada: Alberta: Medicine Hat).

222. *deserticola* F. Morawitz

Cerceris deserticola F. Morawitz, 1890:593, ♀, ♂. Syntypes: Turkmenistan: Tedjen (ZIN). – Dalla Torre, 1897:457 (in catalog of world Hymenoptera); Shestakov, 1914b:409 (Kazakhstan: Kulanda on Aral Lake), 1918a:130 (Transcaspia; nesting habits); Gussakovskij, 1952:285 (prey: curculionid *Bothynoderes oblique-fasciatus* Mén.); Myartseva, 1963b:61 (Turkmenistan: lower Murgab River), 1965:93 (Turkmenistan: Akibay, Mary district, Bayram-Ali district, Murgab district, Tedjen, Krasnovodsk, list of prey); de Beaumont, 1967a:292 (Turkey); Myartseva, 1972a:92 (Turkmenistan); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Kazenas, 1978b:69, 70 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:212 (in revision of *Cerceris* of Kazakhstan and Central Asia); Nazarova and Shomirsaidov, 1997:25 (Tajikistan: fruit tree orchards in Vakhsh River valley); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Esenbekova and Kazenas, 2000:74 (southeastern Kazakhstan: Charyn River, 5 km southwest of village Kazakhstan); Kazenas, 2001b:55 (in checklist of Sphecidae of Kazakhstan and Central Asia), 251 (review of known prey: curculionids), 2001d:121 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:142 (geographic distribution, collecting localities in Kazakhstan); Nazarova, 2005:94 (alfalfa fields in southwestern Tajikistan); Kazenas, 2008a:106 (southeastern Kazakhstan: near Bakanas, 65 km west of Bakanas, 10 km west of Chundza, 5 km southwest of village Kazakhstan); Ljubomirov and Yildirim, 2008:136 (in catalog of Crabronidae of Turkey); Kazenas, 2013b:499 (southeastern Kazakhstan: 10 km west of Chundzha in Sharyn River valley); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Atbaei, Fallahzadeh, and Ljubomirov, 2015:8 (first record from Iran:

Fars Province); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:77 (Iran: known from Fars Province); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:16 (Iran: known from Fars Province); Dollfuss, 2021c:589b:589 (Syria: Lake Assni 10 km southwest of Mishira at 35°47'N 30°20.5'E, ar-Raqqa near Mishirfeh, near ar-Rasafa); Kaplan and Yildirim, 2021:94 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:14 (in catalog of Middle Eastern and North African Philanthinae); Embergenov, Akhmedov, and Medetov, 2023:26 (Uzbekistan: southern Lake Aral region); Kaplan and Yildirim, 2023:1689 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

Cerceris murgabica Radoszkowski, 1893a:66, ♀, ♂. Syntypes: Turkmenistan: Murgab (Kraków). Synonymized with *Cerceris solskii* by Kohl, 1916:124 and with *Cerceris deserticola* by Kazenas, 1984a:212. – Dalla Torre, 1897:468 (in catalog of world Hymenoptera); Shestakov, 1918a:146 (bibliographic reference); K. Schmidt, 2000:187 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:57 (tentatively in checklist of Sphecidae of Kazakhstan and Central Asia).

223. *diabolica* Giner Marí

Cerceris diabolica Giner Marí, 1942b:139, ♂ (as *diabolicus*, incorrect original termination). Holotype: ♂, China: Kwangtseh (Mus. A. Koenig, Bonn). – R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Lampe, Rohwedder, Ingrisch, and Rach, 2010:117 (type material in Mus. A. Koenig, Bonn).

224. *diana* Kazenas

Cerceris diana Kazenas, 1984a:170, ♀, ♂. Holotype: ♀, Turkmenistan: Askhabad (ZIN). – Kazenas, 2001b:55 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:114, 118 (in key to *Cerceris* of Kazakhstan and Central Asia).

225. *difficilis* Guichard

Cerceris difficilis Guichard, 1993a:161, ♂. Holotype: ♂, United Arab Emirates: Hatta at 24°50'N 56°10'E (BMNH). – Schmid-Egger, 2011b:516 (recorded from United Arab Emirates by Guichard, 1993a); Gadallah, 2020b:63 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021c:589 (locality records from Oman and United Arab Emirates); Malash, Edmardash, and Gadallah, 2022:14 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:293 (United Arab Emirates: locality records); Dollfuss,2023:409 (Oman).

226. *dilatata* Spinola

Cerceris dilatata Spinola, 1842:118, ♀, ♂. Lectotype: ♀, French Guiana: Cayenne (Torino), designated by G. Ferguson, 1984b:434 (Scullen, 1961:46 designated a ♂ as neotype). – F. Smith, 1856:464 (in catalog of Hymenoptera in British Museum); Schletterer, 1887:490 (in checklist of world *Cerceris*); Dalla Torre, 1897:457 (in catalog of world Hymenoptera); Scullen, 1962:58 (invalid designation of neotype; see G. Ferguson, 1984b:434), 1965b:407 (in revision of North American *Cerceris*, as *dilatata dilatata*); Fritz, 1970:158 (synonymy); Scullen, 1972:40 (in revision of Mexican and Central American species, as *dilatata dilatata*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Krombein, 1979b:1732 (in catalog of North American Hymenoptera); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); G. Ferguson, 1984c:479 (in annotated list of North American and Caribbean *Cerceris*); Hook, 1987:100 (nesting habits); Callan, 1990d:195 (nest and prey), 1991a:12 (Trinidad); Melo, 2000:100 (female associations for use of natal nest); Amarante, 2002:58 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Starr and Hook, 2003:21 (in catalog of Aculeata of Trinidad, West Indies); Amarante, 2005a:12 (correction to his 2002 catalog); Ruíz Cancino, Coronado Blanco, and Horta Vega, 2005:170 (Mexico: recorded from Tamaulipas State, as *dilatata dilatata*); Horta Vega, Pinson Domínguez, Barrientos Lozano,

and Correa Sandoval, 2007: 45 (Mexico: Tamaulipas, as *dilatata dilatata*); Horta-Vega, Vanoye-Eligio, García-Gutiérrez, Coronado-Blanco, and Barrientos-Lozano, 2013:382 (Mexico: Tamaulipas: Ciudad Victoria: Cañón del Novillo, as *dilatata dilatata*); Pagliano, 2014:109 (specimens in M. Spinola collection, Torino, including lectotype, are *Cerceris dilatata*); Dollfuss, 2021b:571 (Argentina: Entre Ríos: Pronunciamiento; Costa Rica: Quepos; Peru: Yuachipis District: Panguana; USA: Arizona; 8 mi. south of Summer Haven in Santa Catalina Mountains).

Cerceris atriceps F. Smith, 1856:458, ♀. Holotype: ♀, Brasil: Pará: Belém (BMNH). Synonymized with *Cerceris dilatata* by G. Ferguson, 1984c:479. – Schletterer, 1887:486 (in checklist of world *Cerceris*); Dalla Torre, 1897:453 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae).

Cerceris maximiliani de Saussure, 1867:94, ♀. Lectotype: ♀, Mexico: Sierra Madre Oriental: no specific locality (MHNG), designated by Scullen, 1961:46. Synonymized with *Cerceris dilatata* by Scullen, 1961:46. – Schletterer, 1887:497 (in checklist of world *Cerceris*); Cameron, 1890a:111 (Guatemala, Mexico, Panama; redescription); Dalla Torre, 1897:467 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae).

Cerceris contracta Taschenberg, 1875:396, ♀. Lectotype: ♀, Brasil: no specific locality (Halle), designated by Scullen, 1962:58. Synonymized with *Cerceris dilatata* by Scullen, 1962:58. – Schletterer, 1887:489 (in checklist of world *Cerceris*); Dalla Torre, 1897:456 (in catalog of world Hymenoptera).

Cerceris caridei Holmberg, 1903:478, ♀ (as *Caridei*, incorrect original capitalization). Lectotype: ♀, Argentina: Pampa Centralis (MACN), designated by Fritz, 1968b:163 (Article 74.6). Synonymized with *Cerceris dilatata* by Fritz, 1970:158. – Schrottky, 1913a:229 (Argentina: Pampa).

Cerceris vigilii Brèthes, 1910a:270, ♀, actually ♂, see Fritz, 1968b:167 (as *Vigilii*, incorrect original capitalization). Lectotype: ♂, Argentina: Cordoba: Alta Gracia (MACN), designated by Fritz, 1968b:167. Synonymized with *Cerceris dilatata* by Fritz, 1970:158. – Jörgensen, 1912:287 (Argentina: Mendoza Province); Brèthes, 1913:125 (description of ♂, Argentina: Mendoza); Schrottky, 1913a:230 (Argentina: Córoba); Fritz, 1968b:170 (study of ♂ described by Brèthes, 1913); Genise, 1990:26 (type material in MACN).

Cerceris divisa Brèthes, 1910a:270, ♀. Holotype: ♀, Argentina: Chaco: Las Mercedes (MACN). Synonymized with *Cerceris dilatata* by Fritz, 1970:158. – Schrottky, 1913a:229 (Argentina: Chaco); Fritz, 1968b:167 (study of holotype); Genise, 1990:26 (type material in MACN).

Cerceris olymponis Strand, 1910a:140, ♀. Holotype: ♀, Paraguay: Asunción (ZMHU). Synonymized with *Cerceris dilatata* by Scullen, 1962:58. – Strand, 1927:253 (in list of species described by author).

Cerceris semiatra Banks, 1947:25, ♂. Holotype: ♂, USA: Arizona: Patagonia (MCZ). Synonymized with *Cerceris dilatata* by Scullen, 1961:46. – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010 (in catalog of North American Hymenoptera); G. Ferguson, 1983b:232 (study of holotype).

Cerceris dilatata chisosensis Scullen, 1965b:409, ♀, ♂. Holotype: ♀, USA: Texas: Big Bend National Park: Chisos Mountains (USNM). Synonymized with *Cerceris dilatata* by G. Ferguson, 1984c:480. – Scullen, 1972:41 (in revision of Mexican and Central American species); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Krombein, 1979b:1732 (in catalog of North American Hymenoptera); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

227. *diodonta* Schletterer

Cerceris diodonta Schletterer, 1887:451, ♂. Lectotype: ♂, South Africa: Cape Province: no specific locality (NHMW), designated by Empey, 1983:167 (Article 74.6). – Schletterer, 1887:490 (in checklist of world *Cerceris*); Dalla Torre, 1897:457 (in catalog of world Hymenoptera); Brauns, 1911a:239 (South Africa), 1914:222 (in revision of Afrotropical *Cerceris*), 1926:278 (in revision of Afrotropical *Cerceris*); Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:145 (in key to Afrotropical *Cerceris*); Schouteden, 1930:93 (Zaire); Arnold, 1931:138 and 145 (in key to Afrotropical *Cerceris*); Leclercq, 1962a:397 (Tanzania: Mziha 70 km south of Handeni); Empey, 1969a:304 (in checklist of Afrotropical *Cerceris*), 1974:304

(synonymy); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Gess, 1980a:86 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown), 1981:21 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown; nesting in friable soils, as *diodonta diodonta*); Empey, 1983:167 (bibliographic reference, holotype examined); Dollfuss, 1989:8 (holotype in NHMW); S. Gess and F. Gess, 2003:131 (South Africa: visiting flowers of *Acacia karroo* Hayne, Fabaceae, as *diodonta diodonta*); Dollfuss, 2020a:95 (locality records from Namibia and Nigeria: Panjam).

Cerceris mitrata Bingham, 1902:215, ♂. Lectotype: ♂, South Africa: Mpumalanga: Middelburg (BMNH), designated by Empey, 1983:167. Synonymized with *Cerceris diodonta* by Empey, 1969a:304. – Arnold, 1930:13 (in checklist of Afrotropical Sphecidae), 1931:204 (original description copied).

Cerceris melanospila Cameron, 1905m:221, ♀. Lectotype: ♀, South Africa: Eastern Cape Province: Dunbrody at 33°29'S 25°33'E (AMG), designated by Empey, 1983:167. Synonymized with *Cerceris diodonta* by Brauns, 1911a:239 and 1917:239. – Cameron, 1910:150 (comparison with *Cerceris jansei*); Arnold, 1930:11 (in checklist of Afrotropical Sphecidae); Empey, 1974:108 (condition and identity of holotype).

Cerceris jansei Cameron, 1910:149, ♂, actually ♀ (Brauns, 1917:239). Holotype: ♂, South Africa: Mpumalanga: Waterval (TMP). Synonymized with *Cerceris didonta* by Brauns, 1917:239. – Brauns, 1917:239 (holotype is a ♀); Empey, 1974:108 (condition and identity of holotype).

ssp. *barbifera* Bischoff

Cerceris barbifera Bischoff, 1912:222, ♀. Holotype: ♀, Zaire: Kasindi north of Lake Edward (ZMHU). – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:187 (redescription). **– As *Cerceris diodonta barbifera***: Empey, 1969a:304 (new status, in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Empey, 1983:168 (bibliographic reference, type material examined).

Cerceris bagandarum R. Turner, 1918c:465, ♀, ♂. Lectotype: ♀, Uganda: Kafu River near Hoima-Kampala Road (BMNH), designated by Empey, 1983:168. Synonymized with *Cerceris barbifera* by R. Turner, 1919d:50.

ssp. *sodalis* R. Turner

Cerceris bagandarum var. *sodalis* R. Turner, 1918c:466, ♀, ♂. Lectotype: ♀, Kenya: 30 mi. from Magadi Junction (BMNH), designated by Empey, 1983:168. – **As *Cerceris barbifera* var. *sodalis***: Turner, 1919:50 (new status); Arnold, 1931:188 (original description copied). – **As *Cerceris sodalis***: Arnold, 1930:12 (full species status, in checklist of Afrotropical Sphecidae). – **As *Cerceris diodonta sodalis***: Empey, 1969a:304 (new subspecific generic assignment, in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Empey, 1983:168 (bibliographic reference, type material examined).

228. *dione* Fritz

Cerceris dione Fritz, 1960:67, ♀. Holotype: ♀, Argentina: Río Negro: Lamarque (originally M. Fritz coll., now MACN). – R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Fritz, 1993:17 (holotype in M. Fritz coll.); Amarante, 2002:59 (in catalog of Neotropical Crabronidae).

229. *discrepans* Brauns

Cerceris discrepans Brauns, 1926:314, ♀. Lectotype: ♀, South Africa: Western Cape Province: Oudtshoorn (TMP), designated by Empey, 1983:168 (Article 74.6). – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:143, 144 (in key to Afrotropical *Cerceris*), 151 (description of ♂); Empey, 1969a:300 (in checklist of Afrotropical *Cerceris*, as synonym of *Cerceris albigena*), 1972:45 (valid species, redescription, as *discrepans discrepans*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Gess, 1980a:86 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown), 1981:21 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown; nesting in friable soils; (as *discrepans discrepans*); Empey, 1983:168 (bibliographic reference, type material examined); S. Gess, 1996:280, 282 (floral records, as *discrepans discrepans*); S. Gess and F. Gess,

2003:131 (South Africa: visiting flowers of *Athanasia trifurcata* (L.) L., Asteraceae, and *Euclea crispa* (Thunb.) Guerke, Ebenaceae, as *discrepans discrepans*); Dollfuss, 2020a:95 (South Africa: Northern Cape Province: Nossob in Kalahari Gemsbok National Park, 60 km north of Olifantshoek).

ssp. *grata* Arnold

Cerceris grata Arnold, 1931:170, ♀. Holotype: ♀, Namibia: Okahandja (BMNH). – Arnold, 1931:143 (in key to Afrotropical *Cerceris*); Empey, 1969a:309 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae). – **As *Cerceris discrepans grata***: Empey, 1983:167 (new status, bibliographic reference, type material examined).

230. *dispar* Dahlbom

Cerceris dispar Dahlbom, 1845:499, ♀. Holotype: ♀, "Egypt", probably Greece: Island of Rhodes (NRS). – F. Smith, 1856:444 (in catalog of Hymenoptera in British Museum); Schletterer, 1887:467 (original description copied), 490 (in checklist of world *Cerceris*); Ed. André, 1889:337, and 1891:30* (unrecognizable species); Dalla Torre, 1897:457 (in catalog of world Hymenoptera); Giner Marí, 1941b:286 (original description copied, status uncertain); de Beaumont, 1950c:324 (study of type); Bytinski-Salz, 1956:225 (Turkey: Fethiye, İzmir, Kemer, Konya); de Beaumont, 1957b:132 (northern Iran); Pulawski, 1958a: 165 (Bulgaria: Aitos, Sandanski); de Beaumont, 1958d:280 (Cyprus; redescription); de Beaumont and Bytinski-Salz, 1959:111 (Israel); de Beaumont, 1960a:7 (Greece: Island of Rhodes), 1965a:19 (Greece), 1967a:284 (Turkey), 1969:82 (Turkey); Balthasar, 1972:400 (in Sphecid Fauna of Czechoslovakia: may be expected in the country); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Islamov and Kazenas, 1983:44 (Uzbekistan); Kazenas, 1984a:27 (in revision of *Cerceris* of Kazakhstan and Central Asia; *Cerceris denticulata* possibly a synonym); Islamov, 1986:519 (Uzbekistan: Tashkent Oblast'); Kazenas, 1992c:29 (Turkmenistan: Repetek Nature Reserve); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:332 (in Sphecid Fauna of Western Europe); K. Schmidt, 2000:150 (in revision of Western Palearctic *Cerceris*); Kazakhstan, 2001b:55 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:106, 109 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:143 (geographic distribution, collecting localities in Kazakhstan); Roche, 1007a:141 (described from Island of Rhodes, not from Egypt); Ljubomirov and Yildirim, 2008:136 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Sadeghi, Fallahzadeh, Ostovan, Ljubomirov, and Hesami, 2016:431 (Iran: Fars Province); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:76 (Iran: known from Qazvin Province); Dollfuss, 2018:1138 (locality records from Bulgaria, Greece, Cyprus, Iran, Syria, Turkey, and Uzbekistan); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:16 (Iran: known from Fars, Golestan, Kerman, and Qazvin provinces); Ben Khedher, Yildirime, and Braham, 2020c:535 (first record from Tunisia: Kairouan and Sousse provinces); Dollfuss, 2021a:939 (Kazakhstan: 4 km north of Bakans), 2021c:589 (locality records from Cyprus, Greece, Iran, Israel, Syria, and Turkey); Kaplan and Yildirim, 2021:94 (in catalog of Crabronidae of Turkey); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:242 (in revision of Sphecidae *sensu lato* of Europe); Malash, Edmardash, and Gadallah, 2022:14 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1689 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

Cerceris lunata var. *cypriaca* Giner Marí, 1945a:248, ♀, ♂. Syntypes: Cyprus: Limassol (MNCN). Synonymized with *Cerceris dispar* by de Beaumont, 1950c:324. – Giner Marí, 1945a:247 (Cyprus). – **As *Cerceris cypriaca***: de Beaumont, 1947b:384 (full species status); Pittioni, 1950:21 (Cyprus); Georghiou, 1977:189 (Cyprus).

As *Cerceris denticulata*: Schletterer, 1889a:894, ♀ only, corrected to *Cerceris dispar* by K. Schmidt, 2000:150; and Shestakov, 1918a:130 (bibliographic reference), 1923:103, 104 (in key to subgenus *Apiraptrix*y), 115 (bibliographic reference, distribution), all corrected to *Cerceris dispar* by Kazenas, 1984a:27.

231. *dissecta* (Fabricius)

Philanthus dissectus Fabricius, 1798:269, sex not stated. Syntypes: ♀, ♂, India: no specific locality (ZMUC). – Fabricius, 1799:40 (in Index to his Supplementum, 1798), 1804:306 (redescription); Thunberg, 1815b:287 (diagnostic characters), 291 (redescription); Dahlbom, 1845:XXIV (type material not examined); Cameron, 1890b:264 (original description copied); Dalla Torre, 1897:485 (in catalog of world Hymenoptera); W. Schulz, 1912:70 (Thunberg's specimens not preserved in his collection), 90 (type specimens of Fabricius are not identical with any of species treated by Bingham, 1897); R. Turner, 1912e:813 (is a *Cerceris*). – **As *Cerceris dissecta***: Cameron, 1890b:249 (new generic assignment, in checklist of Oriental Sphecidae), 264 (unrecognizable species); Ramakrishna Aiyar, 1916:559 (in catalog of Indian aculeates described after Bingham, 1897); van der Vecht, 1961a:66 (type material studied, redescription); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Krombein, 1981:12 (nesting habits), 34 (in revision of Sri Lanka Philanthinae); Dollfuss,2020b:120 (India: Rajasthan: northwest of Udail at 21°10'N 73°23'E; Nepal: Nepalganj; as *dissekta*).

Cerceris tristis Cameron, 1890b:255, ♀, ♂. Lectotype: ♀, India: Barrackpore or Tirhoot (OXUM), designated by Krombein, 1981:34. Synonymized with *Cerceris dissecta* by Krombein, 1981:34. – Cameron, 1890b:250 (India: Barrackpore, Tirhoot); Bingham, 1897:301 (in key to *Cerceris* of British India), 309 (in revision of *Cerceris* of British India); Dalla Torre, 1897:479 (in catalog of world Hymenoptera); Rothney, 1903:106 (India: West Bengal: Barrackpore); R. Turner, 1912e:810 (in revision of *Cerceris* of Indian subcontinent); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Empey, 1984:76 (in checklist of Oriental *Cerceris* described by Cameron).

232. *dissona* Arnold

Cerceris dissona Arnold, 1955:753, ♀. Holotype: ♀, Namibia: Cnambeke (TMP). – Empey, 1969a:305 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Empey, 1983:168 (bibliographic reference, type material examined).

233. *distinguenda* Shestakov

Cerceris distinguenda Shestakov, 1918b:27, ♀. Holotype or syntypes: ♀, China: north of Kansu: Shan-sy-hu (ZIN). – Shestakov, 1923:102 (in key to subgenus *Apiraptrix*), 113 (bibliographic reference, known only from Mongolia [*sic*]: Nan'-Shan'-Kou); Yasumatsu, 1942c:109 (China: Nei Mongol: Apaka at 44°N 114.96°E); Tsuneki, 1961c:9 (in key to *Cerceris* of northeastern Asia), 46: (China: Peking, now Beijing), 1971m:16 (China: Peking, now Beijing); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Kazenas, 1978b:52 (in key to Sphecidae of Kazakhstan and Central Asia), 1979d:82 (in key to *Cerceris* of Russian Far East); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:471 (in key to Sphecidae of Russian Far East); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

234. *doederleini* W. Schulz

Cerceris doederleini W. Schulz, 1905b:35, ♂ (as *Döderleini*, incorrect original capitalization and diacritic mark). Syntypes: ♂, Algeria: Biskra and Lambessa (Mus. Strasbourg). – W. Schulz, 1911b:169 (as new synonym of *Cerceris canaliculata* Pérez, 1905); nec von Schulthess, 1926b:211 (= *Cerceris berlandi*); nec Mochi, 1938:164 (= *Cerceris sinaitica*); nec Giner Marí, 1941b:259 and 1945a:248 (= *Cerceris sinaitica*); de Beaumont, 1951f:395 (Algeria, Morocco; redescription), 1953g:124 (Morocco); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); K. Schmidt, 2000:114 (in revision of Western Palearctic *Cerceris*); Dollfuss, 2018:1138 (locality records from Morocco), 2021c:590 (Morocco: 10 km east of Guelmim); Malash, Edmardash, and Gadallah, 2022:15 (in catalog of Middle Eastern and North African Philanthinae).

235. *dogonensis* Krombein

Cerceris dogonensis Krombein, 1974a:464, ♀. Holotype: ♀, Papua New Guinea: Dogon in Amazon Bay area (ANIC). – R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae).

236. *dominicana* Brauns

Cerceris dominicana Brauns, 1926:302, ♀. Lectotype: ♀, South Africa: Eastern Cape Province: Willowmore (TMP), designated by Empey, 1969a:305. – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:142 (in key to Afrotropical *Cerceris*), 1942:24 (female head and gastral base illustrated); Empey, 1969a:305 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Gess, 1980a:86 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown), 1981:21 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown; nesting in friable soils); Empey, 1983:168 (bibliographic reference, type material examined); S. Gess and F. Gess, 2003:131 (South Africa: visiting flowers of *Zygophyllum retrofractum* Thunb., Zygophyllaceae).

237. *dondoensis* Brauns

Cerceris dondoensis Brauns, 1926:275, ♀. Holotype: ♀, Mozambique: Dondo (TMP). – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:137 (in key to Afrotropical *Cerceris*); Empey, 1969a:305 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Empey, 1983:168 (bibliographic reference, type material examined, as *dondoensis dondoensis*).

Cerceris ephippiorryncha Arnold, 1940:109, ♀, ♂. Lectotype: ♀, Zimbabwe: Mount Selinda in Chirinda Forest (TMP), designated by Empey, 1983:168. Synonymized with *Cerceris dondoensis* by Empey, 1969a:305. – **As *Cerceris dondoensis* var. *ephippiorrhyncha***: Arnold, 1942:15 (new status).

238. *dorsalis* Eversmann

Cerceris dorsalis Eversmann, 1849:402, ♂. Holotype: ♂, "in campis Kirgisorum" (labeled "Songaria") = Kazakhstan: no specific locality (Kraków). – Kirchner, 1867:221 (in catalog of European Hymenoptera); Radoszkowski, 1870:104 (addition to Kirchner's catalog, 1867), 1877:61 (Kazakhstan: Bairakum, Syr-Daria steppe; Uzbekistan: Zaravshan valley; partly *Cerceris funerea*); Dalla Torre, 1897:457 (in catalog of world Hymenoptera); Kohl, 1916:110 (holotype in O. Radoszkowski collection, Kraków); Shestakov, 1918a:130 (Uzbekistan), 1927a:20 (Russia: Ural'sk Oblast', now Kazakhstan: Oral Oblast'); Vorontsovskiy, 1930:65 (Russia: Orenburg Oblast'); Gussakovskij, 1935:445 (Tajikistan: Kulab area); Myartseva, 1963b:61 (Turkmenistan: lower Murgab River), 1965:93 (Turkmenistan: Akibay and Murgab district); Pulawski, 1965c:566 (synonymy); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Pulawski, 1978:188, 190 (in key to Sphecidae of European part of USSR); Kazenas, 1984a:15 (in revision of *Cerceris* of Kazakhstan and Central Asia); Shkuratov, 1998a:97 (Russia: Rostov Oblast'); Esenbekova and Kazenas, 2000:74 (southeastern Kazakhstan: ten localities); K. Schmidt, 2000:151 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:54 (in checklist of Sphecidae of Kazakhstan and Central Asia), 251 (review of known biology), 2002a:143 (geographic distribution, collecting localities in Kazakhstan), 2004d:36 (Kazakhstan: Ryn-Peski); Shkuratov, 2004a:73 (Russia: Rostov Oblast'); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Yildirim and Ljubomirov, 2007:119 (first record from Turkey: Elazığ: Kovancılar, İçel: Aydıncık); Ljubomirov and Yildirim, 2008:137 (in catalog of Crabronidae of Turkey); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia), 2009b:147 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia); Rudoiskatel', 2010:148 (Russia: southern Ural Mountains); Sakenin, Samin, and Bagriacik, 2010:17 (Iran: Kordestan: Sanandaj); Baghirov, 2011b:154 (Russia: recorded from Altay by Nemkov *in* Nemkov, Kazenas, Budrys, and Antropov, 1995); Prisniy, 2012:52 (Russia: Belgorod Oblast'); Kazenas, 2013b:499 (southeastern Kazakhstan: 30 km east of Chundza, near landing place Dubun' on Ili River, Sortogay on Sharyn River); X. Li, L. Ma, and Q. Li, 2013:589 (China: Nei Mongol: Helan Mountains); Dunford, Turbyville, and Leavengood, 2014:9 (listed as medically important in Afghanistan);

Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:22 (Turkey: Mersin and Tunceli provinces); Danilov and Mokrousov, 2017b:253 (in catalog of Philanthinae of Russia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:78 (Iran: known from Kordestan Province); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:16 (Iran: known from Kordestan Province); Dollfuss, 2021a:939 (Tajikistan: Karatag), 2021c:590 (locality records from Kazakhstan, Kyrgyzstan, Mongolia, and Tajikistan); Kaplan and Yildirim, 2021:94 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:15 (in catalog of Middle Eastern and North African Philanthinae); Pytel-Huta, Skyrpan, Tsaryk, Shydlovskyy, and Khamar, 2022:54 (western Ukraine); Kaplan and Yildirim, 2023:1689 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

Cerceris solskii Radoszkowski, 1877:59, ♀, ♂ (as *Solskii*, incorrect original capitalization). Syntypes: Uzbekistan: Samarkand; Kazakhstan: Chardara (ZMMU). Synonymized with *Cerceris dorsalis* by Kohl, 1916:110 and 124, and Kazenas, 1984a:17. – Radoszkowski, 1886a:35 (Turkmenistan, as *Solskyi*); Kohl, 1916:124 (specimens in O. Radoszkowski collection, Kraków); Shestakov, 1918a:130 (synonymy), 152 (Transcaspia; syntype ♂ of *Cerceris sirdariensis*; as *solskyi*), 1922:81 (Russia: Stavropol' area), 1923:103, 105, 113 (in key, synonymy, distribution), 1927a:11 (Ukraine: Kherson Oblast'); de Beaumont, 1961b:273 (Afghanistan); Tsuneki, 1961c:9, 15 (in key to *Cerceris* of northeastern Asia), 53 (China, bibliographic references); Myartseva, 1963b:61 (Turkmenistan: lower Murgab River, as *solskyi*), 1965:93 (Turkmenistan: Akibay, Sakar-Chagin district, Murgab district, Mary district); Tsuneki, 1971l:426 (Mongolia; synonymy); Kazenas, 1972b:131 (Kazakhstan); Myartseva, 1972a:93 (Turkmenistan); Kazenas, 1974b:109 (feeding on flowers of *Tamarix* sp., Tamaricaceae, and *Statice gmelini* Willd., Plumbaginaceae, in Kazakhstan, as *solskyi*), 110 (feeding on flowers of *Euphorbia* spp., Euphorbiaceae, in Kazakhstan, as *solskyi*), 112 (feeding on flowers of *Apocynum lancifolium* Russ., Apocynaceae, in Kazakhstan, as *solskyi*), 1979d:83, 87 (in key to *Cerceris* of Russian Far East), 1984a:17 (individual color form of *Cerceris dorsalis*). – **As *Cerceris dorsalis solskii***: Pulawski, 1965b:567 (new status); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Kazenas, 1978b:50, 54 (in key to Sphecidae of Kazakhstan and Central Asia); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:471, 476 (in key to Sphecidae of Russian Far East, as *solskyi*); Wu and Zhou, 1996a:173 (in revision in Economic Insect Fauna of China); Nazarova and Shomirsaidov, 1997:24 (Tajikistan: fruit tree orchards in Vakhsh River valley); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Kazenas, 2001d:105, 107 (in key to *Cerceris* of Kazakhstan and Central Asia).

Cerceris nobilis Radoszkowski, 1877:61, ♂. Holotype or syntypes: ♂, Uzbekistan: Samarkand (ZMMU), synonymized with *Cerceris solskii* by Shestakov, 1918a:147 (but listed as synonym of *Cerceris circularis* by R. Bohart and Menke, 1976:578). – Schletterer, 1887:476 (original description copied), 498 (in checklist of world *Cerceris*); Ed. André, 1889:338 and 1891:30* (unrecognizable species); Dalla Torre, 1897:469 (in catalog of world Hymenoptera); Rudow, 1912:67 (preying on scarabaeid beetle *Hoplia*).

Cerceris excavata Schletterer, 1889a:884, ♀. Holotype: ♀, Russia: Sarepta = Krasnoarmeysk near Volgograd (Bern). Synonymized with *Cerceris dorsalis* by Pulawski, 1965c:566. – Shestakov, 1923:103, 112 (in key to subgenus *Apiraptrix*, bibliographic reference, distribution).

Cerceris caspica F. Morawitz, 1891a:213, ♀, ♂. Syntypes: European Kazakhstan: Ryn-Peski: no specific locality (ZIN). Synonymized with *Cerceris dorsalis* by Kohl, 1916:110 and 124, and Pulawski, 1965c:566, and with *Cerceris solskii* by Shestakov, 1918a:125. – F. Morawitz, 1893b:419 (Tajikistan: Zeravshan River valley: Darkh), 1894:351 (Turkmenistan: Askhabad); Sickmann, 1894:204 (China: Hopei Province: Tientsin); Dalla Torre, 1897:455 (in catalog of world Hymenoptera); Shestakov, 1914b:408 (Kazakhstan: Kazalinsk), 1916:232 (Armenia: Aralykh and Ordubad).

239. *dowi* Tsuneki

Cerceris dowi Tsuneki, 1968f:25, ♂. Holotype: ♂, Philippines: Luzon: Rees Road (MCZ). – R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Tsuneki, 1976b:36 (Philippines; description of ♀), 1984b:53 (Philippines); Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:45, 49 (in key to *Cerceris* of Philippines), 64 (Philippines, coloration); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Haneda, 2011:47 (Philippines: Palawan: Inagawan Beach).

Cerceris crassicollis Tsuneki, 1968f:15, ♀. Holotype: ♀, China: Kiangsu: Loto-shan (originally Univ. of Minnesota, now USNM). Synonymized with *Cerceris dowi* by Tsuneki, 1971b:426, but listed as synonym of *Cerceris dorsalis solskii* by R. Bohart and Menke, 1976:580. – Nuhn and Menke, 1994:25 (holotype transferred to USNM).

240. *downesivora* R. Turner

Cerceris downesivora R.Turner, 1912e:507, ♀. Holotype or syntypes: ♀, Burma: Pegu Hills (BMNH). – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae).

241. *dreisbachi* Scullen

Cerceris dreisbachi Scullen, 1972:77, ♀, ♂. Holotype: ♀, Mexico: Morelos: Cuernavaca (USNM). – R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); G. Ferguson, 1984c:480 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

242. *duchesnei* Arnold

Cerceris duchesnei Arnold, 1945:31, ♀, ♂ (as *Duchesnei*, incorrect original capitalization). Lectotype: ♀, Madagascar: Antananarivo (MNHN), designated by Empey, 1983:169. – Leclercq, 1961d:102 (Madagascar); Empey, 1969a:305 (in checklist of Afrotropical *Cerceris*, as *duchnesei*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Empey, 1983:169 (bibliographic reference, type material examined); Pulawski, 2003b:799 (in checklist of Malagasy Sphecidae); Madl, 2014a:1000 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records).

243. *duplicata* Brèthes

Cerceris duplicata Brèthes, 1910a:268, ♀. Holotype: ♀, Argentina: Catamarca: Catamarca (MACN). – Schrottky, 1913a:229 (Argentina: Catamarca); Fritz, 1968b:166 (study of holotype); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Fritz and Mariluis, 1979:27 (in revision of *Cerceris gaudebunda* species group, description of ♂); Genise, 1990:26 (type material in MACN); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:14 (in checklist of Crabronidae of Peru).

244. *durango* Scullen

Cerceris durango Scullen, 1972:78, ♀, ♂. Holotype: ♀, Mexico: Durango: 15 mi. north of Durango (USNM). – R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); G. Ferguson, 1984c:480 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

245. *dusmeti* Giner Marí

Cerceris dusmeti Giner Marí: Dusmet y Alonso, 1935:65 (Spain: Avila: Las Navas del Marqués), nomen nudum.

Cerceris dusmeti Giner Marí, 1941a:71, ♀, ♂. Holotype: ♀, Spain: Provincia Madrid: Sierra de Guadarrama (MNCN). – Giner Marí, 1943a:105 (in Sphecid Fauna of Spain); Ceballos, 1956:367 (in catalog of Hymenoptera of Spain); de Beaumont, 1957d:331 (diagnostic characters, sex association, possible synonymy); Ceballos, 1964:88 (in supplement to catalog of Spanish Sphecidae); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Tormos and Jiménez, 1987a:127 (Spain: Valencia); Bitsch, Barbier,

Gayubo, Schmidt, and Ohl, 1997:333 (in Sphecid Fauna of Western Europe); K. Schmidt, 2000:53 (in revision of Western Palearctic *Cerceris*); Martin Albaladeo and Izquierdo Moya, 2006:120 (type in Museo Nacional de Ciencias Naturales); Baños-Picón, Gayubo, Asís, and González, 2007:257, 259 (Spain: Zamora: Cabañas de Aliste); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); Bitsch, 2010:118 (in supplement to vol. II of Faune de France, 1997: recent records from Portugal and Spain reported); Cross, Baldock, and Wood, 2021:64 (in catalog of Sphecidae *sensu lato* of Portugal); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:241 (in revision of Sphecidae *sensu lato* of Europe).

Cerceris moroderi Giner Marí, 1941a:76, ♀, ♂. Holotype: ♀, Spain: Valencia: Cañada (MNCN, paratype also in USNM). Synonymized with *Cerceris dusmeti* by Schmidt and Bitsch *in* Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:333. – Giner Marí, 1943a:105 (in Sphecid Fauna of Spain); Ceballos, 1956:369 (in catalog of Hymenoptera of Spain); de Beaumont, 1957d:330 (diagnostic characters, sex association); Ceballos, 1964:89 (in supplement to catalog of Spanish Sphecidae); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Tormos and Jiménez, 1987a:128 (Spain: Valencia), 1987b:317 (Spain: Valencia Province: Dehesa de El Saler); Martin Albaladeo and Izquierdo Moya, 2006:125 (type in Museo Nacional de Ciencias Naturales).

ssp. *guichardi* de Beaumont

Cerceris guichardi de Beaumont, 1951f:357, ♀, ♂. Holotype: ♀, southern Algeria: Taouiala (BMNH). – de Beaumont, 1950f:397 (Algeria; nomen nudum), 1953g:123 (Morocco); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae). – **As *Cerceris dusmeti guichardi***: K. Schmidt, 2000:55 (new status, in revision of Western Palearctic *Cerceris*); Dollfuss, 2021c:590 (Israel: 18 km north of Mitzpe Ramon at 30°46'N 34°46'E); Malash, Edmardash, and Gadallah, 2022:15 (in catalog of Middle Eastern and North African Philanthinae).

246. *eburneofasciata* Brauns

Cerceris eburneofasciata Brauns, 1926:273, ♀, ♂. Lectotype: ♀, South Africa: Gauteng: Johannesburg (TMP), designated by Empey, 1983:169. – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:137, 145 (in key to Afrotropical *Cerceris*); Empey, 1969a:305 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Empey, 1983:169 (bibliographic reference, type material examined).

247. *echo* Mickel

As *Cerceris rufinoda crucis*: H. Smith, 1908:370, part (in revision of Nebraskan Sphecidae), corrected to *Cerceris echo* by Mickel, 1916a:412.

Cerceris echo Mickel, 1916a:412, ♀. Holotype: ♀, USA: Nebraska: Sioux County: Monroe Canyon (UNL). – Mickel, 1918b:453 (in catalog of Nebraskan Sphecidae); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1007 (in catalog of North American Hymenoptera); Muma, 1952:17 (holotype in UNL), 23 (paratypes in UNL); Scullen, 1965b:376 (in revision of North American *Cerceris*); Evans, 1971:509 (nesting habits); Scullen, 1972:24 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Grissell, 1975:45 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Evans and Rubink, 1978:61 (nesting habits); Krombein, 1979b:1733 (in catalog of North American Hymenoptera); Hilchie, 1982:107 (Alberta: Empress); Rust, Hanks, and Bechtel, 1983:406 (Nevada: Churchill County: Sand Mountain, as *echo echo*); G. Ferguson, 1984c:480 (in annotated list of North American and Caribbean *Cerceris*); McCorquodale, 1986:1624 (flight characteristics as defense against *Senotainia trilineata* (Wulp), Sarcophagidae); Hook, 1987:106 (nesting habits); Spofford, Kurczewski, and Downes, 1989:258 (reference to publication on nest parasite *Senotainia trilineata* (Wulp), a miltogrammine fly); Weissmann and Kondratieff, 1999:78 (Colorado: Great Sand Dunes National Monument); Melo,

2000:100 (female associations for use of natal nest); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Buck, 2004:28 (Canada: in checklist of Crabronidae of Ontario), 31 (distribution within Ontario), 71 (first record from British Columbia and Ontario: list of localities; description of ♂); Buck, Paiero, and Marshall, 2006:42, 47 (in key to eastern Canadian *Cerceris*); Ratzlaff, 2016:28 (Canada: British Columbia: from Buck, 2004); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Alberta, British Columbia, Ontario, Saskatchewan, first record from Manitoba: no specific locality).

Cerceris echo atrata Scullen, 1965b:377, ♀. Holotype: ♀, USA, New Jersey: Camden County: no specific locality (ANSP). Synonymized with *Cerceris echo* by G. Ferguson, 1984c:480. – R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Krombein, 1979b:1733 (in catalog of North American Hymenoptera); Noonan, 1984a:6 (a paratype in Milwaukee Public Museum); Ahlstrom, 1995:114 (in checklist of insects of North Carolina).

248. *edolata* Shestakov

Cerceris edolata Shestakov, 1912:508, ♂. Holotype or syntypes: ♂, Uzbekistan: Tashkent (ZIN). – Shestakov, 1918a:130 (Uzbekistan: Tashkent), 1923:105 (in key to subgenus *Apiraptrix*), 115 (bibliographic reference, distribution); Gussakovskij, 1952:281 (Tajikistan; description of ♀); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Kazenas, 1978b:50, 54 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:30 (in revision of *Cerceris* of Kazakhstan and Central Asia), 1992c:29 (Turkmenistan: Repetek Nature Reserve); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Kazenas, 2001b:55 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:106, 107 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:143 (geographic distribution, collecting localities in Kazakhstan); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

249. *egena* Arnold

Cerceris egena Arnold, 1931:167, ♀. Holotype: ♀, Malawi: Mlanje (BMNH). – Arnold, 1931:141 (in key to Afrotropical *Cerceris*), 1942:8 (Malawi: Mlanje; description of ♂); Empey, 1969a:305 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Empey, 1983:169 (bibliographic reference, holotype examined).

ssp. *mombasae* Arnold

Cerceris egena mombasae Arnold, 1942:9, ♀ (November). Lectotype: ♀, Kenya: Mombasa (SAM), designated by Empey, 1983:169 (Article 74.6). – Empey, 1969a:305 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Dollfuss, 2020a:95 (Namibia: Rundu).

Cerceris morula Giordani Soika, 1942:202, ♂ (December). Holotype: ♂, Ethiopia: Harar: Fardis (Torino Univ.). Synonymized with *Cerceris egena mombasae* by Empey, 1983:169. – Empey, 1969a:314 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Empey, 1983:169 (bibliographic reference, type material examined).

250. *electra* Arnold

Cerceris electra Arnold, 1951:113, ♀. Holotype: ♀, Ghana: Labadi (BMNH). – Empey, 1969a:305 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Empey, 1983:169 (bibliographic reference, holotype examined).

251. *elegans* Eversmann

Cerceris elegans Evermann, 1849:400, ♀. Lectotype: ♀, Russia: Orenburg Province: no specific locality (Kraków), designated by Kohl, 1916:110 (Article 74.6). – Radoszkowski, 1870:104 (addition to Kirchner's catalog, 1867); Radoszkowski, 1876b:137 (Egypt); nec Radoszkowski, 1877:64 (= *Cerceris capito* according

to Shestakov, 1918a:130; correction impossible for geographic reasons; actually *Cerceris straminea komarovii*); Schletterer, 1887:488 (in revision of Palearctic *Cerceris*), 490 (in checklist of world *Cerceris*); Ed. André, 1889:317, 334 (in revision of Sphecidae of Europe and Algeria); Ed. André, 1891:27* (bibliographic references); Dalla Torre, 1897:457 (in catalog of world Hymenoptera); Shestakov, 1914b:409 (Kazakhstan: Kan-utkul on Aral Lake), 410 (description of ♂); Kohl, 1916:110 (type material in Kraków); Shestakov, 1918a:130 (Kazakhstan: Aral Lake); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Kazenas, 1978b:67 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:161 (in revision of *Cerceris* of Kazakhstan and Central Asia); Esenbekova and Kazenas, 2000:74 (southeastern Kazakhstan: 5-8 km east of Bakanas); K. Schmidt, 2000:56 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:55 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:112, 119 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:143 (geographic distribution, collecting localities in Kazakhstan), 2008a:106 (southeastern Kazakhstan: 5-8 km east of Bakanas); Rudoiskatel', 2010:150 (Russia: southern Ural Mountains); Danilov and Mokrousov, 2017b:253 (in catalog of Philanthinae of Russia); Dollfuss, 2021c:590 (Kazakhstan: Lepsi at 46.4°N 78.8°E and Mongolia: 130 km south of Bayankhongor at 45°03'N 100°59'E); Malash, Edmardash, and Gadallah, 2022:15 (in catalog of Middle Eastern and North African Philanthinae).

252. *elizabethae* Bingham

Cerceris elizabethae Bingham, 1897:312, ♀. Holotype: ♀, Burma: Tenasserim (BMNH). – Bingham, 1897:301 (in key to *Cerceris* of British India); R. Turner, 1912e:498 (in revision of *Cerceris* of Indian subcontinent); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae).

253. *emeryana* Gribodo

Cerceris emeryana Gribodo, 1894c:129, ♀ (as *Emeryana*, incorrect original capitalization). Holotype: ♀, Mozambique: Magnarra River (Mus. Zool. Univ. Bologna). – Gribodo, 1895:354 (Mozambique: Rikatla); Dalla Torre, 1897:458 (in catalog of world Hymenoptera); Arnold, 1930:12 (in checklist of Afrotropical Sphecidae); Empey, 1969a:305 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Empey, 1983:169 (bibliographic reference, type material not examined); Tommasini and Marini, 1984:42 (type depository); Pennati and Mariotti, 2015:49 (in list of Hymenoptera described by G. Gribodo).

ssp. *bechuana* Brauns

Cerceris varilineata race *bechuana* Brauns, 1926:322, ♀, ♂. Lectotype: ♀, South Africa: North West Province: Pudimoe (TMP), designated by Empey, 1969a:322. – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae). – **As *Cerceris emeryana bechuana***: Empey, 1969a:306 (new status, in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Empey, 1983:169 (bibliographic reference, type material examined, type locality is in South Africa, not Botswana).

ssp. *varilineata* Cameron

Cerceris varilineata Cameron, 1905:218, ♂. Lectotype: ♂, South Africa: Eastern Cape Province: Dunbrody at 33°29'S 25°33'E (BMNH), designated by Empey, 1983:169 (Article 79b). – Brauns, 1911a:239 (preying on curculionids), 1926:320 (in revision of Afrotropical *Cerceris*, description of ♂); Arnold, 1930:12 (in checklist of Afrotropical Sphecidae). – **As *Cerceris emeryana* var. *varilineata***: Arnold, 1931:141 (in key to Afrotropical *Cerceris*), 149 (new status). – **As *Cerceris emeryana varilineata***: Empey, 1969a:306 (new status, in checklist of Afrotropical *Cerceris*), 1974:120 (taxonomic history); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Empey, 1983:169 (bibliographic reference, type examined); Dollfuss, 2020a:96 (locality records from Mozambique, Namibia, and South Africa).

Cerceris varilineata var. *matabele* Brauns, 1926:pl. XLI, fig. 11, ♀, ♂. Syntypes: origin not stated but presumably Zimbabwe (as indicated by the name *matabele*): no specific locality (lost, see Empey, 1983:169). Synonymized with *Cerceris emeryana varilineata* by Empey, 1983:169.

Cerceris multicolor Arnold, 1946:85, ♀. Holotype: ♀, Lesotho: Mamathes (SAM). Synonymized with *Cerceris emeryana varilineata* by Empey, 1983:169. – Arnold, 1955:752 (*multicolor* is a variety of *Cerceris emeryana*). – **As *Cerceris emeryana multicolor***: Empey, 1969a:306 (new status, in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae). – Empey, 1983:169 (bibliographic reference, type material examined).

254. *enodans* Brèthes

Cerceris enodans Brèthes, 1910a:273, ♂. Holotype: ♂, Argentina: Jujuy: Jujuy (depository unknown). – Schrottky, 1913a:230 (Argentina: Jujuy); Fritz, 1968b:167 (study of holotype); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae, as *enodens*); Genise, 1990:26 (depository of type material unknown); Amarante, 2002:59 (in catalog of Neotropical Crabronidae).

255. *ephippium* R. Turner

Cerceris ephippium R. Turner, 1912e:498, ♀, ♂. Syntypes: Pakistan: Karachi and Quetta; Saudi Arabia: south of Othman (BMNH). – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Gadallah and Assery, 2004a:233 (in catalog of Sphecidae of Saudi Arabia); Sakenin, Samin, Bagriacik, and Rastegar, 2011:2 (Iran: Sistan-o Baluchestan: Zahedan); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:357 (in new catalog of Sphecidae of Saudi Arabia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:78 (Iran: known from Sistan-o Baluchestan Province); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:16 (Iran: known from Sistan-o Baluchestan Province); Gadallah, 2020b:63 (in list of aculeate wasps of Arabian Peninsula); Malash, Edmardash, and Gadallah, 2022:16 (in catalog of Middle Eastern and North African Philanthinae).

256. *errata* Shestakov

As *Cerceris maracandica*: Schletterer, 1887:420 (in revision of Palearctic *Cerceris*), corrected to *Cerceris errata* by Shestakov, 1918a:144; Kohl, 1916:117 (specimens in O. Radoszkowki collection), corrected to *Cerceris errata* by Shestakov, 1926:239.

Cerceris errata Shestakov, 1918a:131 and 144, ♀, ♂. Syntypes: specimens examined by Schletterer, 1887:421: Uzbekistan: Samarkand, Gegend, Amu Darya (NHMW). – Shestakov, 1918a:131 (Uzbekistan and Turkmenistan); Kazenas, 1972b:125 (Kazakhstan: Alma Ata Oblast': vicinity of Ili); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Kazenas, 1978b:59 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:88 (in revision of *Cerceris* of Kazakhstan and Central Asia); Esenbekova and Kazenas, 2000:74 (southeastern Kazakhstan: seven localities); Kazenas, 2001b:55 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:111 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:143 (geographic distribution, collecting localities in Kazakhstan), 2004d:36 (Kazakhstan: northern Caspian region), 2013b:499 (southeastern Kazakhstan: 15-30 km east of Chundzha, 30-60 km east of Chilik, near landing place Dubun'); Danilov and Mokrousov, 2017b:253 (in catalog of Philanthinae of Russia); Mokrousov, 2017b:13 (Russia: Kalmykia: 20 km east of Khulhuta: Davsna sands at 46.292°N 46.672°E), 2017d:59 (South-East of European Russia: no specific locality); Dollfuss, 2021c:590 (locality records from Kazakhstan, Mongolia, and Turkmenistan); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

257. *erronea* Giner Marí

Cerceris erronea Giner Marí, 1942b:128, ♀, ♂. Syntypes: China: Shaowu (Mus. A. Koenig, Bonn). – R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Hua, 2006:278 (in list of Chinese insects, geographic distribution); not listed by Lampe, Rohwedder, Ingrisch, and Rach, 2010.

258. *eryngii* Marquet

As *Cerceris albofasciata*: A. Costa, 1863:66 (Italy: Calabria Ulteriore: valle di Bruzzano, Ivi), 1867c:94 and 1869b:110 (in revision of Italian Sphecidae), and 1872a:29 (Italy: in revision of Sphecidae of Kingdom of Naples), corrected to *Cerceris eryngii* by de Beaumont, 1950c:327.

Cerceris eryngii Marquet, 1875:205, ♀. Lectotype: ♀, France: Hérault: Béziers (Lausanne), designated by de Beaumont, 1952b:89. – Marquet, 1879:190 (possibly a variety of *Cerceris ornata*), 1881:190 (southern France, possibly a variety of *Cerceris ornata*); Dalla Torre, 1897:458 (in catalog of world Hymenoptera); de Gaulle, 1908:104 (in catalog of French Hymenoptera); de Beaumont, 1950c:327 (study of syntypes), 1951b:177 (synonymy cited), 1952a:49 (in revision of *Cerceris* of France: Haute Garonne, Var); Bajári, 1956a:81 (in catalog of Hungarian *Cerceris*, with list of localities), 1956b:406, 408 (first records from Hungary); Bytinski-Salz, 1956:225 (Turkey: Konya); Bajári, 1957a:33, 40 (in key to Hungarian Sphecidae); de Beaumont, 1957b:132 (northern Iran); Balthasar, 1958:338 (first records from Slovakia: Čenkov, Gbelce, Štúrovo); de Beaumont, 1958d:271 (Greece); Pulawski, 1958a:166 (Bulgaria: Aitos, Kniazhevo near Sofia, Sandanski); de Beaumont, 1959a:13 (Italy); de Beaumont and Bytinski-Salz, 1959:111 (Israel); de Beaumont, 1960a:7 (Greece: Island of Rhodes); Noskiewicz and Puławski, 1960:75, 78 (in key to Polish Sphecidae, not yet found in Poland); de Beaumont, 1961c:46 (Greece: Island of Crete), 1962b:20 (first record from Spain: Madrid), 29 (this species and *Cerceris funerea* were confused by Giner Marí, 1941a under the name *funerea*); Ceballos, 1964:88 (in supplement to catalog of Spanish Sphecidae); de Beaumont, 1965a:19 (Greece); Pulawski, 1965c:566 (synonymy); Balthasar, Hrubant, and Hrubant, 1967:174 (Bulgaria: Slanchev Bryag near Nessebar); de Beaumont, 1967a:283 (Turkey); Scobiola-Palade, 1968a:823 (first record from Romania: Teleorman District: Alexandria, and Tulcea District: Tulcea); de Beaumont, 1969:82 (Turkey); Scobiola-Palade, 1971:204 (in review of *Cerceris* of Romania); Atanassov, 1972a:191 (Bulgaria: Stara Planina Mountains, as *eryngy*), 1972b:32, 49 (Bulgaria: Stara Planina Mountains, as *eryngy*); Balthasar, 1972:404 (in Sphecid Fauna of Czechoslovakia); Kazenas, 1972b:126 (Kazakhstan); Erlandsson, 1974:62 (Yugoslavia); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Kazenas, 1978b:50, 54 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1978:188, 190 (in key to Sphecidae of European part of USSR); Islamov and Kazenas, 1983:44 (Uzbekistan); Kazenas 1984a:31 (in revision of *Cerceris* of Kazakhstan and Central Asia); Józan, 1985b:62 (Hungary: recorded from Simontornya by Bajári, 1956), 85 (ecological and zoogeographic characteristics); Gayubo and Heras, 1986:71 (Spain: Segovia Province; floral records); Gayubo and Sanza, 1986:86 (Spain: Burgos); Gayubo and Tormos, 1986a:19 (Spain: Castellón de la Plana); Islamov, 1986:519 (Uzbekistan: Tashkent Oblast'); Pagliano, 1987:160 and 167 (in key to *Cerceris* of Italy, as *eryngi*), 1988:161 (in revision of Italian Philanthinae, as *eryngii*); Pádr *in* Šedivy, 1989a:166 (in checklist of Czechoslovakian Sphecidae); Pagliano, 1990:97 (in catalog of Italian Sphecidae); Dollfuss, 1991:220 (in key to Sphecidae of North and Central Europe); Gayubo, Borsato, and Osella, 1992:29 (Greece: Euboea); Guichard, 1993a:154 (Arabian Peninsula); Torregrosa, Gayubo, Tormos, and Asís, 1993:21 (Spain: Alicante Province); Gayubo and Borsato, 1994:220 (Italy: Toscana), 221 (map of distribution in Italy); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Minoranskiy and Shkuratov, 1996:81 (Russia: Rostov Oblast'); Voblenko, Gorobchishin, and Nesterov, 1996:15 (Ukraine: Polesye Region); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:335 (in Sphecid Fauna of Western Europe); Gayubo, García, Torres, and González, 1999:91 (Spain: Soria Province); Esenbekova and Kazenas, 2000:74 (southeastern Kazakhstan: 10 km northwest of Chemoglan, 1-3 km northwest of Zhabagly); K. Schmidt, 2000:152 (in revision of Western Palearctic *Cerceris*); Shkuratov, 2000:55 (Russia: Rostov Oblast': Vëshenskaya village area at 49°37'N 41°45'E); Kazenas, 2001b:55 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:106, 107 (in key to *Cerceris* of Kazakhstan and Central Asia); Kazenas and Esenbekova, 2001:136 (Kazakhstan: Almatinskiy Nature Reserve); Kazenas, 2002a:144 (geographic distribution, collecting localities in Kazakhstan); Drewes, 2003:134 (Spain: Tarragona); Gadallah and Assery, 2004a:234 (in catalog of Sphecidae

of Saudi Arabia); Kazenas, 2004b:112 (Kazakhstan: western Tien Shan), 2004d:36 (Kazakhstan: shores of Ural River); Shkuratov, 2004a:73 (Russia: Rostov and Volgograd Oblast's), 2004b:165 (Russia: Rostov Oblast': Gosudarstvennyi Muzey-Zapovednik M.A. Sholokhova); Jacobs, 2005a:441 (Bulgaria: Banya near Hissarya, Shipka); Pagliano and Negrisolo, 2005:335 (in Sphecid Fauna of Italy); Shorenko, 2005b:99 (Ukraine: Crimea: Karadagh Nature Reserve); Yildirim and Ljubomirov, 2005:1802 (Turkey: Artvin, Baybyurt, Erzurum, and Kars provinces); Standfuss and Standfuss, 2006b:100 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Vepřek and Straka, 2007:209 (in catalog of Sphecidae of Czech Republic and Slovakia, known from Slovakia only); Kazenas, 2008c:255 (Kazakhstan: village Koktum south of Lake Alakol'); Ljubomirov and Yildirim, 2008:137 (in catalog of Crabronidae of Turkey); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); Gayubo, González, Tormos, and Asís, 2009:365 (Spain: Valladolid: Reserva Natural Riberas de Castronuño – Vega del Duero); Guéorguiev and Ljubomirov, 2009:263 (Bulgaria: Maleshevska Planina); Pagliano, 2009:183 (Italy: Piemonte: Tigliole); Shorenko, 2009:369 (in list of Sphecidae *sensu lato* of Crimea); Baghirov, 2010:679 (Russia: Altai Territories: villages Chemal and Savvushka); Rudoiskatel', 2010:148 (Russia: southern Ural Mountains); Shorenko and Konovalov, 2010:27 (Ukraine: Crimea: Evpatoriya, village Shchebetovka near Feodosiya); Tüzün and Yüksel, 2010:4474 (Turkey: Niğde Province); Baghirov, 2011b:154 (Russia: Altayskiy Kray: Savvushka; Altay Republic: Chemal); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Sakenin, Samin, Bagriacik, and Rastegar, 2011:2 (Iran: West Azerbaijan: Khoy); Strumia, Pagliano, and Gayubo, 2012:56 (Italy: Toscana: Riserva di San Rossore); Yildirim, 2012:78 (Turkey: Bayburt and Erzurum provinces); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:357 (in new catalog of Sphecidae of Saudi Arabia); Protsenko, Fateryga, and Ivanov, 2014:34 (Crimea: several localities); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Atbaei, Fallahzadeh, and Ljubomirov, 2015:8 (Iran: Fars Province, as *eryngii eryngii*); Samin, Bagriacik, and Monaem, 2015:196 (Iran: Hamadan: Hamadan); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:22 (Turkey: Erzurum and Tunceli provinces, as *eryngii eryngii*); Arens, 2017a:640 (Greece: Peloponnesus), 648 (in key to males of Peloponnesus with irregular tergal maculation and basal platform on sternum II); Danilov and Mokrousov, 2017b:253 (in catalog of Philanthinae of Russia); Gülmez and Can, 2017:82 (Turkey: Erzincan Province); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:78 (Iran: known from Fars, Hamadan, Qazvin, and West Azerbaijan provinces); Shorenko, 2017:80 (in Crimea collected in May through August); Dollfuss, 2018:1139 (locality records from Bulgaria, Croatia, Greece, Iran, Israel, Italy, Jordan, Kazakhstan, Kyrgyzstan, Slovaka, Syria, Tajikistan, Turkey, and Uzbekistan); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:8 (Azerbaijan: Nakhichevan Autonomous Republic); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:16 (Iran: known from East Azerbaijan, Fars, Golestan, Hamadan, Kermanshah, Mazandaran, Qazvin, and West Azerbaijan provinces, as *eryngii eryngii*); Gadallah, 2020b:63 (in list of aculeate wasps of Arabian Peninsula); Shorenko, 2020:49 (Crimea: Karadag Nature Reserve); Cross, Baldock, and Wood, 2021:64 (in catalog of Sphecidae *sensu lato* of Portugal no specific locality); Dollfuss, 2021a:939 (locality records from Bulgaria, Croatia, Greece, Jordan, Slovakia, Syria, Tajikistan, and Turkey), 2021c:591 (locality records from Bulgaria, Croatia, Greece, Iran, Israel, Jordan, Kazakhstan, Kyrgyzstan, Slovakia, Syria, Tajikistan, and Turkey); Kaplan and Yildirim, 2021:94 (in catalog of Crabronidae of Turkey); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:244 (in revision of Sphecidae *sensu lato* of Europe); Malash, Edmardash, and Gadallah, 2022:16 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

Cerceris haueri Schletterer, 1887:406, ♀. Holotype or syntypes: ♀, Dalmatia, now Croatia: no specific locality (NHMW). Synonymized with *Cerceris eryngii* by de Beaumont, 1950c:327 and 1951b:177. – Schletterer,

1887:493 (in checklist of world *Cerceris*); Ed. André, 1889:329 (in revision of Sphecidae of Europe and Algeria); Gasperini, 1889:69 (known only from Dalmatia); Ed. André, 1891:30* (bibliographic references); Dalla Torre, 1897:462 (in catalog of world Hymenoptera).

Cerceris robusta Shestakov, 1915:12, ♀. Holotype: ♀, Bulgaria: Lom Palanka (ZIN). Synonymized with *Cerceris eryngii* by de Beaumont, 1950c:327. – Shestakov, 1917c:47 (Ukraine: Crimea), 1918a:148 (Transcaspia), 1923:102, 114 (in key, bibliographic references, distribution), 1927a:10 (Ukraine: Odessa Oblast'), 11 (Ukraine: Kherson Oblast'), 19 (Stalingrad Oblast', now Volgograd Oblast', and Ural'sk Oblast', now Kazakhstan: Oral Oblast'); Vorontsovskiy, 1928:45 (Russia: vicinity of Orenburg); Pulawski, 1965c:566 (study of holotype).

Cerceris prahenda Kazenas, 1978b:53 and 56, ♀, ♂. Syntypes: southern and central Europe, Kazakhstan: no specific localities (depository?). Synonymized with *Cerceris eryngii* by Kazenas, 1984a:31.

As *Cerceris funerea* (partly): Giner Marí, 1941a:29 (in revision of Spanish *Cerceris*), corrected to *Cerceris eryngii* by de Beaumont, 1962b:29.

ssp. *cretensis* K. Schmidt

Cerceris eryngii cretensis K. Schmidt, 2000:153, ♀, ♂. Holotype: ♀, Greece: Island of Kriti: Iraklion (ZMHU). – Dollfuss, 2021c:591 (Greece: Island of Karpathos: Amopi, Island of Crete: Asomatos and Omalos); Malash, Edmardash, and Gadallah, 2022:16 (in catalog of Middle Eastern and North African Philanthinae).

ssp. *ponantina* de Beaumont

Cerceris lunata razza *occidentalis* Giner Marí, 1941b:182, ♀, ♂, junior primary homonym of *Cerceris occidentalis* de Saussure, 1867. Syntypes: Morocco: Mogador (MNCN). – **As *Cerceris eryngii occidentalis***: de Beaumont, 1950c:327 (new status), 1951f:315 (Tunisia to Morocco; discussion), 1953g:120 (Morocco).

Cerceris eryngii ponantina de Beaumont, 1970b:38. Substitute name for *Cerceris occidentalis* Giner Marí, 1941. – R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); K. Schmidt, 2000:153 (in revision of Western Palearctic *Cerceris*); Dollfuss, 2018:1140 (locality records from Algeria, Morocco, and Tunisia); Ben Khedher, Yildirime, and Braham, 2020c:535 (Tunisia: previously recorded from Ben Arous and Kasserine provinces); Dollfuss, 2021c:591 (Morocco: five localities; Tunisia: Hammam Bant Djedidi at 36.4°N 10.39°E); Malash, Edmardash, and Gadallah, 2022:16 (in catalog of Middle Eastern and North African Philanthinae).

259. *erynnis* Arnold

Cerceris erynnis Arnold, 1931:159, ♀. Holotype: ♀, Malawi: Mlanje (BMNH). – Arnold, 1931:137 (in key to Afrotropical *Cerceris*); Empey, 1969a:306 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Empey, 1983:170 (bibliographic reference, type material examined, unnecessary designation of lectotype).

260. *erythrogaster* Kazenas

Cerceris erythrogaster Kazenas, 1972b:133. ♀, ♂. Holotype: ♀, Kazakhstan: Turaighyr Range 180 km east of Alma-Ata (coll. V. Kazenas or ZIN?). – R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Kazenas, 1978b:64, 65 (in key to Sphecidae of Kazakhstan and Central Asia, as *erythrogastra*), Kazenas, 1984a:133 (in revision of *Cerceris* of Kazakhstan and Central Asia); Esenbekova and Kazenas, 2000:74 (southeastern Kazakhstan: 15 km south od Borandysu, 18 km east and 70 km northwest of Kapchagay); Kazenas, 2001b:55 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:114, 117 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:144 (geographic distribution, collecting localities in Kazakhstan), 2004b:112 (Kazakhstan: western Tien Shan), 2013a:142 (color photograph of adult wasp, short information on geographic distribution and nesting habits), 2013b:499 (southeastern Kazakhstan: Kharyn River in mountain range Turaygyr, 15 km south of Borandysu in Sogety Mountains); Dollfuss, 2018:1141

(Kazakhstan: 70 km northwest of Kapchagai), 2021c:592 (locality records from Kazakhstan and Kyrgyzstan); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

261. *erythropoda* Cameron

Cerceris erythropoda Cameron, 1890a:126, ♀. Holotype or syntypes: ♀, Mexico: Veracruz: Cordova (BMNH). – Dalla Torre, 1897:459 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Scullen, 1972:79 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); G. Ferguson, 1984c:480 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

262. *erythrosoma* Schletterer

Cerceris pictiventris Gerstaecker *in* Peters, 1858:509, ♂, junior primary homonym of *Cerceris pictiventris* Dahlbom, 1845. Holotype or syntypes: ♂, Mozambique: no specific locality (ZMHU). – Dalla Torre, 1897:470 (in catalog of world Hymenoptera); Brauns, 1914:219 (in revision of Afrotropical *Cerceris*); Kohl, 1916:120 (specimens in coll. Radoszkowski); Brauns 1926:276 (redescription); Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:145 (in key to Afrotropical *Cerceris*); Schouteden, 1930:93 (Zaire); Arnold, 1931:137 and 145 (in key to Afrotropical *Cerceris*).

Cerceris pictiventris Gerstaecker, 1862:474, ♂. Objective synonym of *Cerceris pictiventris* Gerstaecker, 1858.

Cerceris erythrosoma Schletterer, 1887:450, ♀. Lectotype: ♀, South Africa: Cape Province: no specific locality (NHMW), designated by Empey, 1983:170 (Article 74.6). Synonymized with *Cerceris pictiventris* Gerstaecker by Brauns, 1914:219, Kohl, 1916:120, and Brauns, 1926:276. – Schletterer, 1887:490 (in checklist of world *Cerceris*); Dalla Torre, 1897:459 (in catalog of world Hymenoptera); Brauns, 1911a:239 (South Africa, preying on curculionids); Empey, 1969a:306 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Gess, 1980a:86 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown), 87 (prey: Curculionidae), 1981:21 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown; nesting in sandy soils); Empey, 1983:170 (bibliographic reference, type examined); Dollfuss, 1989:8 (type material in NHMW); S. Gess and F. Gess, 2003:131 (South Africa: visiting flowers of *Foeniculum vulgare* Mill., Apiaceae, *Acacia caffra* (Thunb.) Willd. and *Acacia karroo* Hayne, Fabaceae); Dollfuss, 2020a:96 (locality records from Namibia and South Africa).

Cerceris ornativentris Cameron, 1905m:219, ♀. Lectotype: ♀, South Africa: Eastern Cape Province: Dunbrody at 33°29'S 25°33'E (BMNH), designated by Empey, 1983:170 (Article 74.6). Synonymized with *Cerceris pictiventris* by Brauns, 1911a:239, W. Schulz, 1911b:170, Brauns, 1914:219, and 1926:276. – Empey, 1974:113 (taxonomic history).

Cerceris rebaptizata Schulz, 1906:195. Substitute name for *Cerceris pictiventris* Gerstaecker, 1858.

As *Cerceris ulcerosa* Arnold, 1936:4, ♂ only. Corrected to *Cerceris erythrosoma* by Empey, 1969a:324 and 1983:170.

Cerceris pseudoproteles Arnold, 1952:467, ♀. Holotype: ♀, Kenya: Makindu (BMNH). Synonymized with *Cerceris erythrosoma* by Empey, 1983:170. – Empey, 1969a:319 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae).

263. *erythroura* Cameron

Cerceris erythroura Cameron, 1908a:276, ♀, ♂. Lectotype: ♀, Tanzania: Mount Kilimandjaro (BMNH), designated by Empey, 1969a:307. – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:139, 145 (in key to Afrotropical *Cerceris*), 191 (redescription); Scott *in* Arnold, 1933a:369 (Ethiopia: Harar District; also Kilimandjaro and Aberdare Mountains); Empey, 1969a:307 (in checklist of Afrotropical *Cerceris*);

R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Empey, 1983:170 (bibliographic reference, type material examined).

264. *escalerae* Giner Marí

As *Cerceris bucculata*: Morice, 1911:88 (Algeria: Biskra), corrected to *Cerceris escalerae* by de Beaumont, 1951f:305.

Cerceris escalerae Giner Marí, 1941b:248, ♂, ♀. Syntypes: Morocco: Mogador (MNCN). – Giner Marí, 1945b:362 (Morocco: Western Sahara: El Aiun), 1945e:227 (Morocco: Western Sahara, as *escalerai*), 1947:21 (Morocco: Western Sahara, as *escalerai*); de Beaumont, 1950f:397 (Algeria, as *escalerai*), 1951f:365 (Algeria, Morocco; diagnostic characters, geographic variation; as *escalerai*), 1953g:123 (Morocco; as *escalerai*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); K. Schmidt, 2000:56 (in revision of Western Palearctic *Cerceris*); Dollfuss, 2018:1141 (Morocco: locality records), 2021a:939 (Morocco: Tamri 70 km north of Agadir), 2021c:592 (Morocco: locality records); Malash, Edmardash, and Gadallah, 2022:16 (in catalog of Middle Eastern and North African Philanthinae); Malash, Edmardash, and Gadallah, 2022:17 (in catalog of Middle Eastern and North African Philanthinae).

265. *escalante* Evans

Cerceris escalante Evans, 2002b:91, ♀, ♂. Holotype: ♀, USA: Utah: Kane County: Coral Pink Sand Dunes (USNM).

266. *ethiopia* Dolfuss

Cerceris ethiopia Dollfuss, 2023b:313, ♀, ♂. Holotype: ♀, Ethiopia: Konso Zone at 05°15'N 37°32'E (OÖLM). Paratypes: Kenya, Malawi, Tanzania.

267. *eucharis* Schletterer

Cerceris eucharis Schletterer, 1887:394, ♂. Syntypes (as indicated by "Hinterkopf kann gelb gefleckt sein"): ♂, Syria (NHMW, now lost?). – Schletterer, 1887:490 (in checklist of world *Cerceris*); Ed. André, 1889:312 (in revision of Sphecidae of Europe and Algeria), 1891:29* (bibliographic references); Dalla Torre, 1897:459 (in catalog of world Hymenoptera); de Beaumont, 1967a:294 (type missing from NHMW); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); K. Schmidt, 2000:115 (in revision of Western Palearctic *Cerceris*); Yildirim and Ljubomirov, 2005:1803 (Turkey: Ağri: Patnos); Ljubomirov and Yildirim, 2008:138 (in catalog of Crabronidae of Turkey); Murai and Amr, 2011:118 (recorded from Syria by Schletterer, 1887); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Dollfuss, 2018:1141 (locality records from Turkey); Dollfuss, 2021a:939 (Turkey: İcel Province: Camliyaya), 2021c:592 (locality records from Iran, Israel, Jordan, Syria, and Turkey); Kaplan and Yildirim, 2021:94 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:17 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

Cerceris fraterna de Beaumont *in* de Beaumont and Bytinski-Salz, 1959:132, ♀. Holotype: ♀, Israel: Jerusalem (Lausanne). Synonymized with *Cerceris eucharis* by K. Schmidt, 2000:115. – R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae)

268. *euchroma* R. Turner

Cerceris euchroma R. Turner, 1910b:424, ♀. Holotype or syntypes: ♀, Australia: Queensland: Cairns (BMNH). – R. Turner, 1910b:421 (in key to *Cerceris* of Australia), 1912d:665 (in key to *Cerceris* of Australia), 672 (in revision of *Cerceris* of Australia); Tsuneki, 1968e:4 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Evans, 1982a:343 (in revision of Eastern Australian *Cerceris*); Cardale, 1985:298 (in catalog of Australian Sphecidae).

269. *eulalia* Brauns

Cerceris eulalia Brauns, 1926:326, ♀. Holotype: ♀, South Africa: Gauteng: Johannesburg (TMP). – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:149 and 1942:15 (is a color variety of *Cerceris rufiscutis*); Empey, 1969a:307 (in checklist of Afrotropical *Cerceris*, good species), 1971b:266 (redescription); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Empey, 1983:170 (bibliographic reference, type examined, as *eulalia eulalia*).

ssp. *transkeica* Empey

Cerceris eulalia transkeica Empey, 1971b:270, ♀, ♂. Holotype: ♀, South Africa, Transkei, now Eastern Cape Province: Umtata (originally H. Empey coll., now TMP). – R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Empey, 1983:170 (bibliographic reference, holotype in TMP).

270. *eumolpicida* Krombein

Cerceris eumolpicida Krombein, 1981:38, ♀, ♂. Holotype: ♀, Sri Lanka: Monaragala District: Angunakolapelessa (USNM). – Krombein, 1981:13 (nesting habits; prey: Chrysomelidae); Dollfuss, 2020b:120 (India: Tamil Nadu: Auroville Botanical Garden).

271. *eungella* Evans

Cerceris eungella Evans, 1982a:353, ♀, ♂. Holotype: ♀, Australia: Queensland: Eungella National Park 80 km northwest of Mackay (Queensland Museum, Brisbane). Paratypes: Australia: New South Wales, Northern Territory, Queensland. – Cardale, 1985:298 (in catalog of Australian Sphecidae); Evans and Hook, 1986b:1300 (prey: Chrysomelidae).

272. *euryanthe* Kohl

Cerceris euryanthe Kohl, 1888a:137, [♀]. Syntypes: ♀, Caucasus: no specific locality (NHMW). – Ed. André, 1889:285, 312 (in revision of Sphecidae of Europe and Algeria); Schletterer, 1889a:889 (in revision of Palearctic *Cerceris*); Ed. André, 1891:24* (bibliographic references); Dalla Torre, 1897:459 (in catalog of world Hymenoptera); Kohl, 1916:111 (specimens in O. Radoszkowski collection, Kraków); Shestakov, 1916:234 (Georgia: Lagodekhi); de Beaumont, 1967a:293 (Turkey; recognition charactes), 1969:83 (Turkey); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Dollfuss, 1989:8 (type material in NHMW); K. Schmidt, 2000:117 (in revision of Western Palearctic *Cerceris*); Yildirim and Ljubomirov, 2005:1803 (Turkey: Erzurum: University campus); Ljubomirov and Yildirim, 2008:138 (in catalog of Crabronidae of Turkey); Yildirim, 2012:78 (Turkey: Bayburt: Çalıdere); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces, as *euryanthe euryanthe*); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:22 (Turkey: Erzurum: Aziziye: Rizkent, as *euryanthe euryanthe*); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:78 (Iran: known from Fars Province); Dollfuss, 2018:1141 (locality records from Greece, Jordan, Syria, and Turkey); Eroğlu and Yüksel, 2019:5230 (recorded from Niğde Province of Turkey by de Beaumont, 1967, but not rediscovered since then); Dollfuss, 2021a:939 (Iran: Hormozgan Province: 4 km northwest of Hajjiabad at 41°31'36"N 71°50'40"E; Turkey: Sille near Konya), 2021c:593 (Iran and Turkey: locality records); Kaplan and Yildirim, 2021:95 (in catalog of Crabronidae of Turkey, as *euryanthe euryanthe*); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:245 (in revision of Sphecidae *sensu lato* of Europe); Malash, Edmardash, and Gadallah, 2022:17 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey, as *euryanthe euryanthe*).

ssp. *canaliculata* Pérez

Cerceris canaliculata Pérez, 1895d:179, ♂. Holotype or syntypes: ♂, Algeria: Méchéria (MNHN). – Giner Marí, 1941b:263 (in revision of North African *Cerceris*); de Beaumont, 1951f:399 (incorrectly regarded *canaliculata* as junior secondary homonym of *Philanthus canaliculatus* Say, 1823, now in *Eucerceris*); R. Bohart

and Menke, 1976:578 (in checklist of world Sphecidae). – **As *Cerceris euryante canaliculata***: K. Schmidt, 2000:119 (new status, in revision of Western Palearctic *Cerceris*); Dollfuss, 2018:1141 (locality records from Morocco); Ben Khedher, Yildirime, and Braham, 2020c:536 (Tunisia: previously recorded from Jendouba, Kairouan, and Kasserine provinces); Dollfuss, 2021c:593 (Morocco: 5 km southeast of Azrou, 40 km south of Guercif, Oulad-Berrehil in Haut Atlas); Malash, Edmardash, and Gadallah, 2022:17 (in catalog of Middle Eastern and North African Philanthinae).

As *Cerceris Döderleini*: von Schulthess, 1926b:211 (Tunisia: Sfax), corrected to *Cerceris berlandi* by de Beaumont, 1951f:400.

Cerceris berlandi Giner Marí, 1941b:265, ♀ (authorship attributed to A. Shestakov). Holotype: ♀, Algeria: El Kantara (MNHN). Synonymized with *Cerceris canaliculata* by de Beaumont, 1951f:399. – de Beaumont, 1951f:399 (Algeria, Tunisia; nomenclatural history, diagnostic characters), 1956a:215 (Libya), 1967a:294 (Turkey; relationship to *Cerceris euryanthe*), 1969:83 (Turkey; *Cerceris eucharis*, *euryanthe*, and *berlandi* may be one species).

Cerceris berlandi tingitana de Beaumont, 1951f:400, ♀, ♂. Holotype: ♀, Morocco: Meknès (MNHN). Synonymized with *Cerceris euryanthe canaliculata* by K. Schmidt, 2000:119. – de Beaumont, 1953g:125 (Morocco: Mogador); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae).

ssp. *palaestina* de Beaumont

Cerceris berlandi palaestina de Beaumont *in* de Beaumont and Bytinski-Salz, 1959:131, ♀, ♂. Holotype: ♀, Syria: Douma near Damascus (Lausanne). – Murai and Amr, 2011:118 (recorded from Syria by de Beaumont and Bytinski-Salz, 1959). – **As *Cerceris canaliculata palaestina***: R. Bohart and Menke, 1976:578 (new subspecific generic assignment, in checklist of world Sphecidae); Guichard, 1991a:338 (Jordan). – **As *Cerceris euryanthe palaestina***: K. Schmidt, 2000:118 (new subspecific generic assignment, in revision of Western Palearctic *Cerceris*); Ljubomirov and Yildirim, 2008:139 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Dollfuss, 2018:1141 (locality records from Jordan, Syria, and Turkey); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:16 (Iran: known from Fars Province); Dollfuss, 2021a:939 (Turkey: Elaziğ Province: Elaziğ, and Siirt Province: 20 km east of Batman), 2021c:593 (locality records from Armenia, Iran, Israel, Jordan, Syria, and Turkey); Kaplan and Yildirim, 2021:95 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:18 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

273. *evansi* Scullen

Cerceris evansi Scullen, 1972:80, ♀, ♂. Holotype: ♀, Mexico: Morelos: 3 mi. northwest of Cuernavaca (USNM). – R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); G. Ferguson, 1984c:480 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

274. *eversmanni* W. Schulz

Cerceris cornuta Eversmann, 1849:406, ♀, junior secondary homonym of *Cerceris cornuta* (Fabricius, 1787). Syntypes: ♀, Russia: foothills of Ural Mountains and Orenburg Province (Kraków). – Schletterer, 1887:436 (in revision of Palearctic *Cerceris*), 489 (in checklist of world *Cerceris*); Ed. André, 1889:305 (in revision of Sphecidae of Europe and Algeria), 23* (bibliographic references); Dalla Torre, 1897:456 (in catalog of world Hymenoptera); Kohl, 1916:110 (syntypes in O. Radoszkowski collection, Kraków); Benoist, 1928:409 (first record from France: Basses-Alpes: near Barcelonnete); Gussakovskij, 1938:16 (Mongolia); Šnoflák *in* Zavadil and Šnoflák, 1948:89 (in key to Sphecidae of Czechoslovakia, not yet found in Czechoslovakia).

Cerceris eversmanni W. Schulz, 1912:91. Substitute name for *Cerceris cornuta* Eversmann, 1849. – de Beaumont, 1952a:67 (in revision of *Cerceris* of France: Basses-Alpes, Hautes-Alpes); Bajári, 1956a:84 (in catalog of Hungarian *Cerceris*, with list of localities), 1956b:407, 408 (first records from Hungary), 1957a:36, 44 (in key to Hungarian Sphecidae); de Beaumont, 1965a:21 (Greece); Oehlke, 1970:681 (first record from Democratic Germany: Dresden area, specimens collected at about the turn of the 19th century); Tsuneki, 1968f:4 (China: Heilungkiang: Weisohn); Scobiola-Palade, 1971:205 (in review of *Cerceris* of Romania); Balthasar, 1972:406 (in Sphecid Fauna of Czechoslovakia: may be expected in the country); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Pulawski, 1978:194, 196 (in key to Sphecidae of European part of USSR); Kazenas, 1984a:124 (in revision of *Cerceris* of Kazakhstan and Central Asia); Józan, 1985b:62 (recorded from Simontornya by Bajári, 1956), 72 (map of distribution in Hungary), 85 (ecological and zoogeographic characteristics); Jacobs and Oehlke, 1990:122 and 217 (occurrence in Democratic Germany questionable); Dollfuss, 1991:220 (in key to Sphecidae of North and Central Europe); Jansen and Kaluza, 1995:7 (Germany: extinct in Sachsen); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:336 (in Sphecid Fauna of Western Europe); Schmidt and Schmid-Egger, 1997:7 (the only German records are from Saxony from mid XIXth century); Blösch, 2000:418 (in Sphecid Fauna of Germany); Esenbekova and Kazenas, 2000:75 (southeastern Kazakhstan: 1-3 km northwest of Zhabagly); K. Schmidt, 2000:57 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:55 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:114, 119 (in key to *Cerceris* of Kazakhstan and Central Asia); Ohl et al., 2001:137 (distribution in Germany by provinces); Kazenas, 2002a:144 (geographic distribution, collecting localities in Kazakhstan), 2004b:112 (Kazakhstan: western Tien Shan); Gorobchishin, 2006:150 (Ukraine: village Khotov near Kyiv); Baghirov, 2007:93 (Russia: southwestern Siberia); Jacobs, 2007:184, 188 (in key to Crabronidae of Germany); Danilov and Tshernyshev, 2008:43 (Russia: Novosibirsk Oblast': Karasuk area); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia), 2009b:147 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia); Rudoiskatel', 2010:149 (Russia: southern Ural Mountains); Schmid-Egger, 2010a:14 (in red list of Aculeata of Germany: extinct, last collected in 1850); Baghirov, 2011b:154 (Russia: Altayskiy Kray: Savvushka); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); A. Scholz and Liebig, 2013:16 (Germany: Sachsen: in list of Sphecidae *sensu lato*); Protsenko, Fateryga, and Ivanov, 2014:34 (Crimea: Belogorod District: sources of Karasu River); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Danilov and Mokrousov, 2017b:253 (in catalog of Philanthinae of Russia); Shorenko, 2017:80 (in Crimea collected in July); Dollfuss, 2018:1141 (locality records from Greece); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); Dollfuss, 2021c:593 (France: Vaucluse: 22 km north of Apt at 44°03'N 5°33'E); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:246 (in revision of Sphecidae *sensu lato* of Europe); Malash, Edmardash, and Gadallah, 2022:18 (in catalog of Middle Eastern and North African Philanthinae: Turkey).

ssp. *caucasica* Shestakov

Cerceris caucasica Shestakov, 1915:8, ♀. Holotype or syntypes: ♀, Azerbaijan: Yelisavetpol, later Kirovabad, now Gandja (ZIN). – Shestakov, 1916:232 (Caucasus; description of ♂); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Kazenas, 1978b:63, 67 (in key to Sphecidae of Kazakhstan and Central Asia). – **As *Cerceris eversmanni caucasica***: K. Schmidt, 2000:57 (new status, in revision of Western Palearctic *Cerceris*); Yildirim and Ljubomirov, 2005:1803 (first record from Turkey: Erzurum: Oltu); Ljubomirov and Yildirim, 2008:139 (in catalog of Crabronidae of Turkey); Tüzün and Yüksel, 2010:4475 (Turkey: Niğde Province); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:23 (Turkey: Artvin, Bayburt, Erzurum, and Yusufeli provinces); Dollfuss, 2021c:593 (Georgia: three localities); Kaplan and Yildirim, 2021:95 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:18 (in catalog of Middle Eastern

and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

ssp. *clypeodentata* Tsuneki

Cerceris eversmanni clypeodentata Tsuneki, 1971l:443, ♂. Holotype: ♂, Mongolia: Central Aymag: Ulaan Hodag (TMB). – R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); X. Li, L. Ma, and Q. Li, 2013:590 (China: Nei Mongol: Helan Mountains); Dollfuss, 2018:1142 (locality records from Mongolia), 2021c:593 (Mongolia: many localities).

ssp. *warnckei* K. Schmidt

Cerceris eversmanni warnckei K. Schmidt, 2000:57, ♀, ♂. Holotype: ♂, Turkey: Hakkari Province: Lake Gavaruk, Mount Sat (K. Schmidt coll.). – Yildirim and Ljubomirov, 2005:1803 (Turkey: Erzurum: Şenyurt, Şenkayam Pasinler); Ljubomirov and Yildirim, 2008:140 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces), 19 (is an endemic of Turkey); Kaplan and Yildirim, 2021:95 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:18 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

275. *exleyae* Evans

Cerceris exleyae Evans, 1982a:376, ♀, ♂. Holotype: ♀, Australia: Queensland: Longreach (Queensland Museum, Brisbane). – Cardale, 1985:298 (in catalog of Australian Sphecidae).

276. *expleta* Brèthes

Cerceris expleta Brèthes, 1910a:272, ♀, ♂. Lectotype: ♀, Argentina: La Pampa: no specific locality (MACN), designated by Fritz, 1968b:167. – Schrottky, 1913a:230 (Argentina: Pampa); Fritz and Toro, 1969:144 (in revision of Chilean and Patagonian *Cerceris*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Genise, 1990:26 (type material in MACN); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Dollfuss,2021b:571 (Chile: Las Garzas in Talca Province, Rere near Yumbel).

277. *expulsa* R. Turner

Cerceris expulsa R. Turner, 1920a:268, ♀, ♂. Syntypes: India: West Bengal: Calcutta (BMNH). – R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae).

278. *faceta* Arnold

Cerceris faceta Arnold, 1951:111, ♀, ♂. Lectotype: Senegal: Fatick (BMNH), designated by Empey, 1983:171. – Empey, 1969a:307 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Empey, 1983:171 (bibliographic reference, type material examined).

279. *falcifera* Tsuneki

Cerceris falcifera Tsuneki, 1961c:50, ♀, ♂. Holotype: ♀, China: Beijing: Tiendang (originally K. Tsuneki coll., now USNM). – Tsuneki, 1961c: 13, 17 (in key to *Cerceris* of northeastern Asia), 1971m:17 (China: Beijing: Tiendang); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Kazenas, 1979d:85, 87 (in key to *Cerceris* of Russian Far East); Nuhn and Menke, 1994:25 (holotype transferred to USNM); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:474, 477 (in key to Sphecidae of Russian Far East); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Danilov and Mokrousov, 2017b:253 (in catalog of Philanthinae of Russia); Mokrousov and Danilov, 2017:58 (Russia: Zabaikalskiy Kray: Onon District: Onon River near Nizhniy Tsasuchey).

280. *farri* Scullen

Cerceris farri Scullen, 1970:199, ♀, ♂. Holotype: ♀, Jamaica: Manchester: 3.5 mi. southwest of Mandeville (USNM). – R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); G. Ferguson, 1984c:481 (in

annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Genaro, 2017:10 (in list of Antillean *Cerceris*).

281. *fastidiosa* R. Turner

Cerceris fastidiosa R. Turner, 1912e:509, ♀. Holotype or syntypes: ♀, Pakistan: Karachi (BMNH). – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae).

282. *femurrubrum* Viereck and Cockerell

Cerceris femurrubrum Viereck and Cockerell, 1904:135, ♂ (as *femur-rubrum*, incorrect original hyphenation). Lectotype: ♂, USA: New Mexico: Albuquerque (ANSP), designated by Cresson, 1928:49. – Snow, 1906:9 (Arizona); Mickel, 1918b:451 (in catalog of Nebraskan Sphecidae); Banks, 1947:15 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1007 (in catalog of North American Hymenoptera); Scullen, 1965b:435 (in revision of North American *Cerceris*, as *femurrubrum femurrubrum*), 1972:55 (in revision of Mexican and Central American species, as *femurrubra femurrubra*); R. Bohart and Grissell, 1975:46 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Krombein, 1979b:1733 (in catalog of North American Hymenoptera, nesting site, prey); G. Ferguson, 1984c:481 (in annotated list of North American and Caribbean *Cerceris*); Hook, 1987:105 (nesting habits); S. Frommer, 1988:93 (California: Riverside County: Deep Canyon); Melo, 2000:98 (nest usurpation and temporary association with nest owner); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Ohl and Linde, 2003:151 (number of ovarioles); Horta Vega, Pinson Domínguez, Barrientos Lozano, and Correa Sandoval, 2007: 45 (Mexico: Tamaulipas).

Cerceris thione Banks, 1947:18, ♂. Holotype: ♂, USA: California: Colton (MCZ); designation of lectotype by Ferguson, 1983b:233, was unnecessary. Synonymized with *Cerceris femurrubrum* by Scullen *in* Muesebeck, Krombein, and Townes, 1951:1007. – **As *Cerceris femurrubrum thione***: Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (new status, in checklist of Mexican Sphecidae).

Cerceris athene Banks, 1947:20, ♀. Holotype: ♀, USA: California: Claremont (MCZ). Synonymized with *Cerceris femurrubrum* by Scullen, 1960:78, R. Bohart and Grissell, 1975:46, and R. Bohart *in* R. Bohart and Menke, 1976:580. – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1005 (in catalog of North American Hymenoptera); Wasbauer, 1957:131 (prey: *Eurymetopon rufipes* Eschscholz, a tenebrionid); Tsuneki, 1965d:3 (prey record summary: Tenebrionidae); Krombein, 1967:414 (synonymy with *femurrubrum* recorded); G. Ferguson, 1983b:226 (study of holotype). – **As *Cerceris femurrubrum athene*:** Scullen, 1965b:437 (new status, in revision of North American *Cerceris*); Scullen and Wold, 1970:211 (distribution and summary of prey records); Scullen, 1972:56 (in revision of Mexican and Central American species); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

Cerceris femurrubra rossi Scullen, 1972:56, ♀, ♂. Holotype: ♀, Mexico: Baja California Sur: Sierra Laguna (CAS). Synonymized with *Cerceris femurrubrum* by R. Bohart *in* R. Bohart and Menke, 1976:580. – Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

283. *ferocior* R. Turner

Cerceris ferocior R. Turner, 1912e:817, ♀. Holotype: ♀, East Malaysia (= Borneo): Kuching (OXUM). – R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae).

284. *ferox* F. Smith

Cerceris ferox F. Smith, 1856:454, ♀. Holotype or syntypes: ♀, Indonesia: Sumatra: no specific locality (BMNH). – F. Smith, 1871a:370 (in catalog of Oriental Aculeata); Schletterer, 1887:491 (in checklist of world *Cerceris*); Cameron, 1890b:248 (in checklist of Oriental Sphecidae); nec Bingham, 1897:309 and 1905:46 (=

Cerceris binghami); Dalla Torre, 1897:459 (in catalog of world Hymenoptera); R. Turner, 1912e:816 (comparison with *Cerceris ferocior* and *C. shelfordi*); Pagden, 1934a:462 (Malaysia: Kedah: Kedah Peak; prey: scarab *Microserica* sp.); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

Cerceris annandali Bingham, 1903b:v, ♂. Holotype or syntypes: ♂, Malaysia: "Biserat, Jalor" (BMNH). Synonymized with *Cerceris ferox* by R. Turner, 1912e:816. – Bingham, 1905:47 (Malaysia: Biserat), pl. A Fig. 5 (illustration of habitus and of pygidial plate).

Cerceris bantamensis van der Vecht, 1964:367, ♂. Holotype: ♂, Indonesia: Java: Bantam: Malingping (RMNH). Synonymized with *Cerceris ferox* by Pulawski, 2011:4. – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae).

285. *ferruginea* Brèthes

Cerceris ferruginea Brèthes, 1910a:261, ♀, ♂. Lectotype: ♀, Argentina: Mendoza: Chacras de Coria (MACN), designated by Fritz, 1968b:165. – Jörgensen, 1912:288 (Argentina: Mendoza Province); Schrottky, 1913a:230 (Argentina: Mendoza); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Genise, 1990:26 (type material in MACN); Amarante, 2002:59 (in catalog of Neotropical Crabronidae).

286. *ferusa* Kazenas

Cerceris ferusa Kazenas, 1979b:858, ♀. Holotype: ♀, Kazakhstan: Karatau Mountains: Chiili area (ZIN). – Kazenas, 1984a:135 (in revision of *Cerceris* of Kazakhstan and Central Asia); Esenbekova and Kazenas, 2000:75 (southeastern Kazakhstan: 10 km northwest of Chemolgan); Kazenas, 2001b:55 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:115, 116 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:144 (geographic distribution, collecting localities in Kazakhstan), 2004b:112 (Kazakhstan: western Tien Shan), 2008a:106 (southeastern Kazakhstan: foothills of Zailiyskiy Alatau: 10 km northwest of Chemolgan), 2014a:139 (Kazakhstan: Karatau Mountain Range); Dollfuss, 2018:1142 (locality records from Kazakhstan and Kyrgyzstan), 2021c:594 (Kazakhstan: four localities; Kyrgyzstan: Frunze, now Bishkek); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

287. *festiva* Cresson

Cerceris festiva Cresson, 1865a:156, ♂. Holotype: ♂, Cuba: no specific locality (IZAC). – Packard, 1866:62 (bibliographic reference, known from Cuba); Schletterer, 1887:491 (in checklist of world *Cerceris*); Dalla Torre, 1897:460 (in catalog of world Hymenoptera); Ashmead, 1900:307 (in checklist of Caribbean Hymenoptera); Cresson, 1916:100 (holotype in ANSP); Giner Marí, 1943c:327 (in revision of Cuban *Cerceris*); Alayo Dalmau, 1968a:11 (in revision of Cuban Sphecidae), 1973:191 (in catalog of Cuban Hymenoptera), 1976:15, 16 (in key to Cuban *Cerceris*), 31 (in checklist of Cuban Sphecidae); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); G. Ferguson, 1984c:481 (in annotated list of North American and Caribbean *Cerceris*); Genaro and Sanchez, 1993:42 (nesting habits); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Fernández, Saríol, Vega, Ricardo, González, and Portuondo, 2002:46 (Cuba: Provincia Granma); Genaro, 2006:58 (in checklist of Cuban Sphecidae and Crabronidae; also: Isla de la Juventud), 2017:10 (in list of Antillean *Cerceris*).

Cerceris gratiosa Schletterer, 1887:460, ♂. Holotype or syntypes: ♂, Cuba: no specific locality (NHMW). Synonymized with *Cerceris festiva* by Scullen *in* Alayo Dalmau, 1968a:17. – Schletterer, 1887:493 (in checklist of world *Cerceris*); Dalla Torre, 1897:462 (in catalog of world Hymenoptera); Ashmead, 1900:307 (in checklist of Caribbean Hymenoptera); Giner Marí, 1943c:330 (in revision of Cuban *Cerceris*); Alayo Dalmau, 1968a:16 (probably not occurring in Cuba); Dollfuss, 1989:8 (type material in NHMW).

288. *fimbriata* (Rossi)

Crabro fimbriatus Rossi, 1790:93, sex not stated. Holotype or syntypes: Italy: Toscana: no specific locality (destroyed). – de Beaumont, 1950c:319 (identity of species). – **As *Cerceris variabilis* var. *fimbriata***: A. Costa,

1864c:124 (new status, Italy: Campania: Benevento area). – **As *Cerceris fimbriata***: Illiger, 1807b:152 (new generic assignment, synonymy, redescription); Vander Linden, 1829:120 (bibliographic references, Italy: Bologna, redescription); A. Costa, 1867c:92 and 1869b:108 (in revision of Italian Sphecidae); Radoszkowski, 1870:104 (addition to Kirchner's catalog, 1867); A. Costa, 1872a:26 (in revision of Sphecidae of Kingdom of Naples, Italy); De Stefani Perez, 1886:171 (Italy: Sicilia: monte di Renda near Palermo); de Beaumont, 1951f:322 (Egypt: Fayid, Sinai; these specimens are a distinct form), 1952a:48 (in revision of *Cerceris* of France, first record from France: Carpentras, Saint-Aygulf), 1954e:87 (Italy); Grandi, 1954:237 (Italy); Hertzog, 1954:100 (France: Bouches-du-Rhône: Camargue); Bytinski-Salz, 1956:225 (Turkey: Akşehir); Balthasar, 1958:338 (first records from Slovakia: Čenkov, Gbelce); de Beaumont, 1958d:271 (Greece); Pulawski, 1958a:166 (Bulgaria: Aitos, Sandanski, Varna); de Beaumont, 1959a:13 (Italy); de Beaumont and Bytinski-Salz, 1959:118 (Israel); Balthasar and Hrubant, 1961:15 (Slovakia: Čenkov, Chotín); de Beaumont, 1961c:46 (Greece: Island of Crete), 1962b:20 (Spain), 29 (this species and *Cerceris eryngii* were confused by Giner Marí, 1941a under the name *Cerceris funerea*); Ceballos, 1964:88 (in supplement to catalog of Spanish Sphecidae); de Beaumont, 1965a:19 (Greece); Diniz, 1966:7 (Portugal: Coimbra, Porto de Rei, Vale de Gaio); Balthasar, Hrubant, and Hrubant, 1967:174 (Bulgaria: Slanchev Bryag near Nessebar); de Beaumont, 1967a:283 (Turkey), 1969:82 (Turkey); Scobiola-Palade, 1971:202 (in review of *Cerceris* of Romania, color variation); Balthasar, 1972:400 (in Sphecid Fauna of Czechoslovakia); Kazenas, 1972b:127 (Kazakhstan), 1974b:109 (feeding on flowers of *Tamarix* sp., *Statice gmelini* Willd., Plumbaginaceae, *Cynanchum sibiricum* Willd., Asclepiadaceae, and *Euphorbia* spp., Euphorbiaceae, in Kazakhstan), 112 (feeding on flowers of *Atraphaxis spinosa* L., Polygonaceae, in Kazakhstan); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Kazenas, 1978b:52, 55 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1978:188, 190 (in key to Sphecidae of European part of USSR); Pagliano, 1980:126 (Italy: Lazio); Gayubo, 1982e:110 (Spain: Cádiz Province); Islamov and Kazenas, 1983:44 (Uzbekistan); Gayubo and Tormos, 1984:25 (Spain: Valencia); Kazenas, 1984a:17 (in revision of *Cerceris* of Kazakhstan and Central Asia); Gayubo, 1986a:67 (Spain: Ciudad Real Province); Gayubo and Sanza, 1986:87 (Spain: Burgos); Islamov, 1986:521 (Uzbekistan: Tashkent Oblast'); Pagliano, 1987:160 and 165 (in key to *Cerceris* of Italy), 1988:163 (in revision of Italian Philanthinae); Pádr *in* Šedivy, 1989a:166 (in checklist of Czechoslovakian Sphecidae); Gayubo, Asís, and Tormos, 1990b:80 (Spain: Zamora Province); Pagliano, 1990:97 (in catalog of Italian Sphecidae); Dollfuss, 1991:220 (in key to Sphecidae of North and Central Europe); Gayubo, Borsato, and Osella, 1991:420 (Italy: Toscana, Puglia), 1992:291 (Greece); Kazenas, 1992c:29 (Turkmenistan: Repetek Nature Reserve); Roche and Zalat, 1994:117 (Egypt: Sinai Peninsula); Negrisolo, 1995a:18 (visiting flowers of *Eryngium maritimum* L., Apiaceae), 19 (visiting flowers of *Echinophora spinosa* L., Apiaceae), 22 (Italy: Veneto); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:337 (in Sphecid Fauna of Western Europe); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Gonzáles, Gayubo, and Torres, 1999:356 (Spain: Valladolid: Viana de Cega); Esenbekova and Kazenas, 2000:75 (southeastern Kazakhstan: seven localities); K. Schmidt, 2000:154 (in revision of Western Palearctic *Cerceris*); Shkuratov, 2000:55 (Russia: Rostov Oblast': Vëshenskaya village area at 49°37'N 41°45'E); Kazenas, 2001b:54 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2002a:144 (geographic distribution, collecting localities in Kazakhstan); Drewes, 2003:134 (Spain: Tarragona); Józan, 2003:228 (Hungary: Látrányi Puszta Nature Conservation Area); Gorobchishin and Protsenko, 2004:39 (Ukraine: Kherson Oblast': Chernomorskiy Nature Reserve); Kazenas, 2004b:112 (Kazakhstan: western Tien Shan), 2004d:36 (Kazakhstan: northern Caspian region); Shkuratov, 2004a:74 (Russia: Rostov Oblast'), 2004b:165 (Russia: Rostov Oblast': Gosudarstvennyi Muzey-Zapovednik M.A. Sholokhova); Pagliano and Negrisolo, 2005:336 (in Sphecid Fauna of Italy); Yildirim and Ljubomirov, 2005:1803 (Turkey: Adıyaman, Kahramanmaraş, and Kars provinces); Roche, 2007a:130 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae,

Sphecidae, and Crabronidae, as *fimbriata fimbriata*); Vepřek and Straka, 2007:209 (in catalog of Sphecidae of Czech Republic and Slovakia, known from Slovakia only); Kazenas, 2008c:255 (Kazakhstan: village Koktum south of Lake Alakol'); Ljubomirov and Yildirim, 2008:140 (in catalog of Crabronidae of Turkey); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); Gayubo, González, Tormos, and Asís, 2009:365 (Spain: Valladolid: Reserva Natural Riberas de Castronuño – Vega del Duero); González, Gayubo, Asís, and Tormos, 2009:625 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park); Bitsch, 2010:118 (in supplement to vol. II of Faune de France, 1997: recorded from France: département de Bouche-du-Rhône, under the name of *Cerceris subimpressa*); Rudoiskatel', 2010:148 (Russia: southern Ural Mountains); Shorenko and Konovalov, 2010:27 (Ukraine); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Murai and Amr, 2011:113, 118 (first record from Syria: Al Thawrah Nature Reserve at 35°51'N 28°38'E); Prisniy, 2012:52 (Russia: Belgorod Oblast'); Strumia, Pagliano, and Gayubo, 2012:56 (Italy: Toscana: Riserva di San Rossore); Kazenas, 2013b:499 (southeastern Kazakhstan: everywhere in river valleys, foothills, and low mountains); Dunford, Turbyville, and Leavengood, 2014:9 (listed as medically important in Afghanistan); Kazenas, 2014a:139 (Kazakhstan: Karatau Mountain Range); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:23 (Turkey: Erzurum and Kars provinces, as *fimbriata fimbriata*); Danilov and Mokrousov, 2017b:253 (in catalog of Philanthinae of Russia); Dollfuss, 2018:1142 (locality records from Bulgaria, Greece, Hungary, Montenegro, Slovakia, and Turkey); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:9 (Azerbaijan: Nakhichevan Autonomous Republic); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:16 (first record from Iran: Fars: Kazerun at 29º32'53"N 51º46'23"E); Cross, Baldock, and Wood, 2021:64 (in catalog of Sphecidae *sensu lato* of Portugal); Dollfuss, 2021a:939 (locality records frim Bulgaria, Greece, Hungary, Italy, Russia: Astrakhan', Serbia, Slovakia, and Turkey), 2021c:594 (locality records from Bulgaria, Greece, Hungary, Russia: Astrakhan', Slovakia, Syria: Jisr ash Shugur, and Turkey); Kaplan and Yildirim, 2021:95 (in catalog of Crabronidae of Turkey); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:247 (in revision of Sphecidae *sensu lato* of Europe); Malash, Edmardash, and Gadallah, 2022:18 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

Crabro lunulatus Rossi, 1792:135, sex not stated, junior primary homonym of *Crabro lunulatus* de Fourcroy, 1785. Holotype or syntypes: Italy: Toscana: Pisa area (destroyed). Synonymized with *Cerceris fimbriata* by A. Costa, 1872a:26. – de Beaumont, 1950c:320 (unrecognizable species); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Pagliano, 1988:172 (unrecognizable sppecies); Pagliano, 1990:98 (in catalog of Italian Sphecidae, as nomen dubium).

Philanthus sexpunctatus Fabricius, 1793:291, sex not stated (as *6punctatus*, incorrect original spelling). Lectotype: ♀, Italy: no specific locality (ZMUC), designated by van der Vecht, 1961a:63 (Article 74.6). Synonymized with *Cerceris fimbriata* by van der Vecht, 1961a:63. – Fabricius, 1796:137 (in Index to his Entomologia Systematica, 1793), 1804:304 (redescription); Thunberg, 1815a:127 (diagnostic characters), 130 (redescription), 1815b:287 (diagnostic characters); Dahlbom, 1845:XXIV (type material not examined); Dalla Torre, 1987:490 (in catalog of world Hymenoptera); W. Schulz, 1912:68 (Thunberg's specimens not preserved in his collection).

Mellinus scaber Fabricius, 1798:266, sex not stated. Lectotype: ♀, Italy: no specific locality (ZMUC), designated by van der Vecht, 1961a:63 (Article 74.6). Synonymized with *Cerceris fimbriata* by van der Vecht, 1961a:63. – Fabricius, 1799:32 (in Index to his Supplementum, 1798). – **As *Prosopis scabra***: Fabricius, 1804:295 (new generic assignment, redescription).

Cerceris signata Klug *in* Waltl, 1835:99, sex not stated. Lectotype: ♂, Spain: Andalusia: no specific locality (ZMHU), designated by de Beaumont, 1950c:321 (Article 74.6). Synonymized with *Cerceris fimbriata* by de Beaumont, 1950c:321. – Klug *in* Waltl, 1835:87 (in list of Hymenoptera of Andalusia); Kirchner, 1867:221 (in catalog of European Hymenoptera); Schletterer, 1887:378 (as synonym of *Cerceris sabulosa*).

Cerceris ornata var. *sicana* De Stefani Perez 1884b:200, ♀ (as *Sicana*, incorrect original capitalization). Holotype or syntypes: ♀, Italy: Sicilia: Girgenti (depository unknown). Synonymized with *Cerceris fimbriata* by K. Schmidt, 2000:154. – **As *Cerceris rybyensis* var. *sicana***: De Stefani Perez, 1895:227 (new subspecific generic assignment, in catalog of Sicilian Hymenoptera); Dalla Torre, 1897:474 (in catalog of world Hymenoptera). – **As *Cerceris rybyensis sicana***: R. Bohart and Menke, 1976:586 (new status, in checklist of world Sphecidae); S. Eck, 1979:21 (bibliographic reference); Pagliano, 1990:100 (in catalog of Italian Sphecidae).

As *Cerceris funerea* (collectively corrected to *Cerceris fimbriata* by de Beaumont, 1950c:319, 1951b:177): Bezzi, 1892:123 (Italy: Lombardia: Provincia di Pavia); Schletterer, 1887:382 (in revision of Palearctic *Cerceris*), 493 (in checklist of world *Cerceris*); Ed. André, 1889:272, 297 (in revision of Sphecidae of Europe and Algeria); Schletterer, 1889a:901 (faunal records); Ed. André, 1891:27* (bibliographic references); F. Morawitz, 1894:351 (Turkmenistan: Nerduali); De Stefani Perez, 1895:227 (in catalog of Sicilian Hymenoptera); Mocsáry, 1897:80 (Kingdom of Hungary, one locality is in today's Romania); Chyzer, 1902:33 (Hungary); Antiga and Bofill, 1904:20 (Spain: Cataluña Province); W. Schulz, 1904b:93 (Greece: Epirus); Mantero, 1905:69 (Italy: Toscana: Isola del Giglio); Mercet, 1914:445 (recorded from Spain); Shestakov, 1914b:408 (Kazakhstan: Aulié-Ata, now Dzhambul); Zilahi Kiss, 1915:80 (Hungary: Hadad); Shestakov, 1916:232 (Armenia and Georgia: near Tiflis, now Tbilisi), 1918a:133 (= *Cerceris pallidopicta*), 1923:102, 104, 115 (in key to subgenus *Apiraptrix*, synonymy, distribution), 1927a:11 (Ukraine: Kherson Oblast'), 19 (Russia: Stalingrad Oblast', now Volgograd Oblast'); F. Werner, 1927:66 (Austria: Niederösterreich: River Kamp valley); Vorontsovskiy, 1928:45 (Russia: vicinity of Orenburg): Grandi, 1930:340 (Italy: Toscana: Maremma); Schmiedeknecht, 1930:702 (in keys to Hymenoptera of North and Central Europe); Vorontsovskiy, 1930:66 (Russia: Orenburg Oblast'); Gussakovskij, 1935:445 (Tajikistan: Kulab area); Móczár, 1939:5 (Hungary: Jászberény); Giner Marí, 1941a:29 (in revision of Spanish *Cerceris*; partly = *Cerceris eryngii*; also corrected by de Beaumont, 1962b:29), 1943a:95 (in Sphecid Fauna of Spain); Giordani Soika, 1944:12 (Italy: Sicilia: Messina); Guiglia, 1944b:12 (Italy); Šnoflák *in* Zavadil and Šnoflák, 1948:85 (in key to Sphecidae of Czechoslovakia); de Andrade, 1949:11 (Portugal); also Vogrin, 1955:33 (Yugoslavia); Bajári, 1956a:81 (in catalog of Hungarian *Cerceris*, with list of localities), 1957a:40 (in key to Hungarian Sphecidae); .

As *Cerceris dorsalis*: Radoszkowski, 1877:61 (Uzbekistan), partly, corrected to *Cerceris funerea* by Shestakov, 1918a:130.

As *Cerceris variabilis* (partly): Radoszkowski, 1877:63 (Uzbekistan), corrected to *Cerceris funerea* by Shestakov, 1918a:161.

ssp. *pallidopicta* Radoszkowski

Cerceris pallidopicta Radoszkowski, 1877:59, ♀, ♂ (as *pallido-picta*, incorrect original hyphenation). Syntypes: Uzbekistan: Samarkand; Kazakhstan: Kizil-Kum and Syr-Daria; Kyrgyzstan: Shahimardan and Okhsh (ZMMU). – Schletterer, 1887:382 (as new synonym of *Cerceris funerea*); Kohl, 1916:119 (as new synonym of *Cerceris funerea*); Shestakov, 1918a:133, 147 (as new synonym of *Cerceris funerea*). – **As *Cerceris funerea* var. *pallidopicta***: R. Turner, 1912e:813 (new status, Pakistan: Balochistan: Quetta; in revision of *Cerceris* of British India); Ramakrishna Aiyar, 1916:559 (in catalog of Indian aculeates described after Bingham, 1897). – **As *Cerceris fimbriata pallidopicta***: de Beaumont, 1961b:273 (new status, Afghanistan); Pulawski, 1965c:565 (as new status); Tsuneki, 1971l:421 (Mongolia; as new status); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); K. Dollfuss, 2021a:940 (locality records from Iran, Kazakh-

stan, Kyrgyzstan, Syria, and Turkmenistan), 2021c:594 (locality records from Bulgaria, China, Iran, Kazakhstan, Kyrgyzstan, Syria, Tajikistan, Turkmenistan, and Uzbekistan); Malash, Edmardash, and Gadallah, 2022:19 (in catalog of Middle Eastern and North African Philanthinae).

Cerceris cogens Kohl, 1916:119, ♀. Syntypes: Turkmenistan: Seraks (Kraków). Synonymized with *Cerceris fimbriata pallidopicta* by K. Schmidt, 2000:155. – **As *Cerceris fimbriata cogens***: R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae, as tentative subspecies of *Cerceris fimbriata*); Kazenas, 1984a:20 (in revision of *Cerceris* of Kazakhstan and Central Asia); Kazenas, 2001d:106, 108 (in key to *Cerceris* of Kazakhstan and Central Asia).

ssp. *polita* Schletterer

Cerceris polita Schletterer, 1889a:881, ♂. Lectotype: ♂, Russia: Sarepta = Krasnoarmeysk near Volgograd (Zurich), designated by de Beaumont, 1951b:178. – Dalla Torre, 1897:470 (in catalog of world Hymenoptera); Kohl, 1916:120 (as new synonym of *Cerceris lunata*); Balthasar, 1972:400 (in Sphecid Fauna of Czechoslovakia: may be expected in the country). – **As *Cerceris fimbriata polita***: de Beaumont, 1951b:178 (new status).

289. *fingo* Brauns

Cerceris fingo Brauns, 1926:plate XLIII, fig. 2, ♀ (no description). Holotype: ♀, South Africa: Eastern Cape Province: Willowmore (TMP). – Arnold, 1931:141 (in key to Afrotropical *Cerceris*), 149 (description); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Empey, 1983:171 (bibliographic reference, type examined); Dollfuss, 2020a:97 (locality records from Kenya, Namibia, and South Africa).

As *Cerceris latifrons latifrons*: Arnold, 1942:plate II fig. 26 (male genitalia), corrected to *Cerceris fingo* by Empey, 1969a:307.

290. *finitima* Cresson

Cerceris finitima Cresson, 1865c:122,♀. Holotype: ♀, USA: Illinois: no specific locality (ANSP). – Packard, 1866:60 (in key to North American *Cerceris*), 61 (bibliographic reference, geographic distribution); Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:491 (in checklist of world *Cerceris*); C. Robertson, 1892:108 (visiting flowers of *Pycnanthemum lanceolatum* Pursh, Lamiaceae, and *P. linifolium* Pursh, Lamiaceae), 1894:455 (visiting flowers of *Solidago canadensis* Linnaeus, Asteraceae), 457 (visiting flowers of *Solidago nemoralis* Ait., Asteraceae); Dalla Torre, 1897:460 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Bridwell, 1899:209 (Kansas: no specific locality); Viereck and Cockerell, 1904b:138 (in revision of New Mexico *Cerceris*); H. Smith, 1908b:370 (in revision of Nebraskan Sphecidae); Banks, 1912:27 (in revision of eastern U.S. *Cerceris*); Cresson, 1916:100 (holotype in ANSP); Rohwer, 1917a:244 (California: Santa Barbara); Stevens, 1917:422 (North Dakota); Mickel, 1918b:453 (in catalog of Nebraskan Sphecidae); Rau and Rau, 1918:133 (nesting in soil, but also in pith chamber of a weed stalk); Brimley, 1938:447 (North Carolina: Bryson City, Flat Rock, Moore and Wake counties); Strandtmann, 1945a:312 (nest and prey); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1007 (in catalog of North American Hymenoptera); Scullen, 1965b:378 (in revision of North American *Cerceris*); Tsuneki, 1965d:4 (prey record summary: Chrysomelidae); Scullen and Wold, 1970:211 (distribution and summary of prey records, as *finitima finitima*); Scullen, 1972:24 (in revision of Mexican and Central American *Cerceris*, as *finitima finitima*); R. Bohart and Grissell, 1975:46 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Krombein, 1979b:1733 (in catalog of North American Hymenoptera, parasite and prey); nec Finnamore, 1982:253 (= *Cerceris arelate*); G. Ferguson, 1984c:481 (in annotated list of North American and Caribbean *Cerceris*); Rust, Menke, and Miller, 1985:47 (California: Channel Islands); Piek and Spanjer, 1986:182 (in list of Sphecidae with known prey); Steiner, 1986:113 (references to publications on nesting habits); Ahlstrom, 1995:114 (in checklist of insects of North Carolina); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in

checklist of Mexican Sphecidae); Ohl and Linde, 2003:151 (number of ovarioles); Buck, 2004:28 (Canada: in checklist of Crabronidae of Ontario), 31 (distribution within Ontario), 72 (first record from Ontario: Windsor); Buck, Paiero, and Marshall, 2006:42, 47 (in key to eastern Canadian *Cerceris*); Horta Vega, Pinson Domínguez, Barrientos Lozano, and Correa Sandoval, 2007: 45 (Mexico: Tamaulipas); Horta-Vega, Vanoye-Eligio, García-Gutiérrez, Coronado-Blanco, and Barrientos-Lozano, 2013:382 (Mexico: Tamaulipas: Ciudad Victoria: Cañón del Novillo, as *finitima finitima*); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Alberta, Ontario, Saskatchewan, first record from British Columbia: no specific locality).

Cerceris finitima citrina Scullen, 1965b:380, ♀, ♂. Holotype: ♀, USA: California: Riverside (CAS). Synonymized with *Cerceris finitima* by R. Bohart and Grissell, 1975:46 and by R. Bohart *in* R. Bohart and Menke, 1976:580.

291. *fischeri* Spinola

Cerceris fischeri Spinola, 1839:493, ♀, ♂. Syntypes: Egypt: no specific locality (Torino). – Spinola, 1843b:XXXVI (represented in Berlin Museum under the name *Cerceris lepida*). – Schletterer, 1887:469 (original description copied), 491 (in checklist of world *Cerceris*); Ed. André, 1889:320 (in revision of Sphecidae of Europe and Algeria), 1891:30* (bibliographic references); Dalla Torre, 1897:460 (in catalog of world Hymenoptera); Morice, 1911:79 (Algeria: Biskra: redescription); Shestakov, 1923:102, 104 (in key to subgenus *Apiraptrix*), 115 (synonymy, distribution); Bischoff, 1933:5 (Morocco); Shestakov *in* Nadig, 1933:97 (Morocco); Mochi, 1938:191 (in revision of Egyptian *Cerceris*); Giner Marí, 1941b:169 (in revision of North African *Cerceris*); Guiglia, 1940a:284 (Libya: Gadames), 1942b:231 (Libya); Giner Marí, 1945e:222 (Western Sahara); de Beaumont, 1950d:7 (Egypt: Siwa oasis), 1950f:397 (Algeria), 1951b:176 (study of syntypes), 1951f:323 (Egypt to Morocco; discussion), 1953g:121 (Morocco; prey: *Nomioides*, a bee), 1956a:185 (Libya), 1958b:59 (Algeria: Tassili des Ajjer); de Beaumont and Bytinski-Salz, 1959:119 (Israel); Pulawski, 1964:72 (Egypt: Kom Osheim); de Beaumont, 1966:212 (Egypt: Amrye near Alexandria); Empey, 1973:22 (Socotra); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); Guichard, 1980:230 (Oman); Empey, 1983:171 (bibliographic reference, type material not examined); Pulawski, 1983:242 (synonymy); Guichard, 1993a:157 (Arabian Peninsula); Roche and Zalat, 1994:117 (Egypt: Sinai Peninsula); K. Schmidt, 2000:156 (in revision of Western Palearctic *Cerceris*); Gadallah and Assery, 2004a:234 (in catalog of Sphecidae of Saudi Arabia); Roche, 2007a:130 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:358 (in new catalog of Sphecidae of Saudi Arabia); Pagliano, 2014:114 (specimens in Spinola collection, Torino, including unpublished lectotype by de Beaumont); Madl, 2018:941 (in catalog of Hymenoptera of Djibouti); Ben Khedher, Yildirime, and Braham, 2020c:536 (Tunisia: summary of previous records, new locality records from Béja, Jendouba, Kairouan, Kasserine, Kebili, Le Kef, Mahdia, Nabeul, Sidi Bouzid, Siliana, Sousse, Tataouine,Tozeur, and Zaghouan provinces); Gadallah, 2020b:63 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021a:940 (locality records from Oman), 2021c:595 (locality records from Algeria, Ethiopia, Israel, Jordan, Morocco, Oman, Tunisia, and Yemen); Malash, Edmardash, and Gadallah, 2022:19 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:294 (first record from United Arab Emirates: locality records); Dollfuss, 2023a:409 (Oman); Gadallah and Abu El-Ghiet, 2024:90 (Saudi Arabia: Jazan Province: Abu Arish, Fayfa).

Cerceris lepida Spinola, 1843b:XXXI, sex not stated, origin unknown, specimen(s) in Berlin Museum, as junior synonym of *Cerceris fischeri*. Not available: first proposed as a junior synonym (Article 11.6).

Cerceris histrio Dahlbom, 1845:499, ♂. Holotype: ♂, Egypt: no specific locality (NRS). Synonymized with *Cerceris fischeri* by Morice, (**check 1911**, not 1897, not 1921), and de Beaumont, 1950c:324. – F. Smith,

1856:445 (in catalog of Hymenoptera in British Museum); Schletterer, 1887:472 (original description copied), 493 (in checklist of world *Cerceris*); Dalla Torre, 1897:462 (in catalog of world Hymenoptera); Giner Marí, 1941b:287 (original description copied, status uncertain).

? *Cerceris contigua* Walker, 1871:28, ♀, ♂, junior secondary homonym of *Cerceris contigua* (Villers, 1789). Syntypes: Djibouti: Tajura (lost). Tentatively synonymized with *Cerceris fischeri* by de Beaumont, 1951f:323. – Schletterer, 1887:467 (original description copied), 489 (in checklist of world *Cerceris*); Ed. André, 1889:325 (in revision of Sphecidae of Europe and Algeria), 1891:30* (bibliographic references); Dalla Torre, 1897:456 (in catalog of world Hymenoptera); Innes Bey, 1912:113 (specimens recorded by Walker, 1871, now destroyed by dermestids, were collected at Tajura).

Cerceris nobilitata walegae Arnold, 1951:110, ♀. Holotype: ♀, Ethiopia: Gambeila (BMNH). Synonymized with *Cerceris fischeri* by Empey, 1983:171. – Empey, 1969a:317 (in checklist of Afrotropical *Cerceris*), 1974:112 (description of ♂); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae).

As *Cerceris mocsaryi* (corrected to *Cerceris fischeri* by Pulawski, 1983:242): Kohl, 1888:139; Schletterer, 1889a:890 (redescription).

ssp. *nobilitata* Cameron

Cerceris nobilitata Cameron, 1905m:216, ♀. Lectotype: ♀, South Africa: Eastern Cape Province: Dunbrody at 33°29'S 25°33'E (AMG), designated by Jacot-Guillarmod, 1961:11 (Article 74.6). – Brauns, 1926:313 (in revision of Afrotropical *Cerceris*, description of ♂); Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:143, 147 (in key to Afrotropical *Cerceris*), 1935a:499 (South Africa: Kalahari), 1942:plate I fig. 3 (male genitalia); Jacot-Guillarmod, 1961:11 (lectotype in Albany Museum, Grahamstown); Empey, 1969a:317 (in checklist of Afrotropical *Cerceris*), 1974:111 (nomenclatorical history); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae). – **As *Cerceris fischeri nobilitata***: Empey, 1983:171 (new status); Dollfuss,2020:97 (probably just color variation of *Cerceris fischeri*; locality records from Benin, Ethiopia, Ghana, Kenya, Malawi, Mali, Namibia, south Africa, and Tanzania).

292. *fitzgeraldi* Empey

Cerceris fitzgeraldi Empey, 1973:20:♀. Holotype: ♀, Oman: Trucial Oman Coast: no specific locality (BMNH). – R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Guichard, 1980:230 (Oman); Empey, 1983:171 (bibliographic reference, type material examined); Guichard, 1993a:154 (Arabian Peninsula, description of ♂); Schmid-Egger, 2011b:516 (recorded from United Arab Emirates by Guichard, 1993a), 518 (color photographs of male and female); Gadallah, 2020b:63 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021a:940 (Unied Arab Emirates: Barg al-Saqoor at 24.018°N 53.592°E and Mahafiz at 25.20°N 55.73°E), 2021c:595 (United Arab Emirates: Mizerah in Liwa Oasis at 32°09'N 53°47'E, Umm Al Quain Emirate: Biatah at 25°25'N 55°45'E); Malash, Edmardash, and Gadallah, 2022:19 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:294 (United Arab Emirates: locality records).

293. *flavicornis* Brullé

Cerceris flavicornis Brullé, 1833:373, ♂. Holotype: ♂, Greece: Morea, now Pelopónnisos: no specific locality (MNHN). – F. Smith, 1856:441 (in catalog of Hymenoptera in British Museum); Kirchner, 1867:221 (in catalog of European Hymenoptera); Dalla Torre, 1897:460 (in catalog of world Hymenoptera); de Beaumont, 1950c:322 (study of holotype), 1952a:78 (in revision of *Cerceris* of France), 1958d:273 (Greece); Pulawski, 1958a:167 (Bulgaria: Aitos, Kurilo, Sandanski); de Beaumont, 1959a:16 (Italy); de Beaumont and Bytinski-Salz, 1959:131 (Israel: Jerusalem); de Beaumont, 1960a:8 (Greece: Island of Rhodes), 1961c:46 (Greece: Island of Crete), 1965a:22 (Greece); Diniz, 1966:8 (Portugal: Rezende); de Beaumont, 1967a:291 (Turkey); Scobiola-Palade, 1967b:41 (Bulgaria: Kavarna); de Beaumont, 1969:82 (Turkey); Scobiola-Palade, 1971:206 (first record from Romania: Agigea, Hagieni); Balthasar, 1972:402 (in Sphecid Fauna of Czechoslovakia); Kazenas, 1972b:127 (Kazakhstan), 1974b:109 (feeding on flowers of *Statice*

gmelini Willd., Plumbaginaceae, and *Euphorbia* spp., Euphorbiaceae, in Kazakhstan), 112 (feeding on flowers of *Apocynum lancifolium* Russ., Apocynaceae, in Kazakhstan); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Guichard, 1978:270 (Greece); Kazenas, 1978b:67, 68 (in key to Sphecidae of Kazakhstan and Central Asia); Radović and Krunić, 1979:unpaginated foldout (nesting in coarse sand and loose soil, foreleg structure); Pagliano, 1980:126 (Italy: Lazio); Islamov and Kazenas, 1983:44 (Uzbekistan); Kazenas, 1984a:175 (in revision of *Cerceris* of Kazakhstan and Central Asia); Chevin and Chevin, 1985:39 (France: Aude); Gayubo, 1986a:67 (Spain: Ciudad Real Province); Islamov, 1986:520 (Uzbekistan: Tashkent Oblast'); Pagliano, 1987:162 and 166 (in key to *Cerceris* of Italy), 1988:157 (in revision of Italian Philanthinae), 1990:97 (in catalog of Italian Sphecidae); Dollfuss, 1991:221 (in key to Sphecidae of North and Central Europe); Gayubo, Borsato, and Osella, 1991:420 (Italy: Lombardia: Goito), 1992:291 (Greece); Gayubo and Borsato, 1994:220 (Italy: Toscana); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Wu and Zhou, 1996a:178 (in revision in Economic Insect Fauna of China); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:338 (in Sphecid Fauna of Western Europe); Ljubomirov, 1999b:57 (Bulgaria: Mount Vitosha near Sofia); Esenbekova and Kazenas, 2000:75 (southeastern Kazakhstan: 10 km northwest of Chemolgan, 15-30 km east, 45 km southwest, and 20 km west of Chundzha, near Kapchagay); Ljubomirov, 2000:13 (Bulgaria, specimens in N. Nedelkov collection); K. Schmidt, 2000:123 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:55 (in checklist of Sphecidae of Kazakhstan and Central Asia), 251 (mating on flowers), 2001d:119 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:145 (geographic distribution, collecting localities in Kazakhstan); Drewes, 2003:134 (Croatia: Šibenik); Kazenas, 2004b:112 (Kazakhstan: western Tien Shan); Shkuratov, 2004a:74 (Russia: Rostov Oblast'); Pagliano and Negrisolo, 2005:333 (in Sphecid Fauna of Italy); Shorenko, 2005a:169 (Ukraine: Crimea), 2005b:99 (Ukraine: Crimea: Karadagh Nature Reserve); Yildirim and Ljubomirov, 2005:1803 (Turkey: Artvin, Erzincan, Erzurum, and Konya provinces); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Standfuss and Standfuss, 2006b:100 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Kazenas, 2008c:255 (Kazakhstan: village Koktum south of Lake Alakol'); Ljubomirov and Yildirim, 2008:141 (in catalog of Crabronidae of Turkey); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); Guéorguiev and Ljubomirov, 2009:263 (Bulgaria: Maleshevska Planina); Pagliano, 2009:183 (Italy: Molise: Guardialfiera); Shorenko, 2009:369 (in list of Sphecidae *sensu lato* of Crimea); Rudoiskatel', 2010:150 (Russia: southern Ural Mountains); Shorenko and Konovalov, 2010:28 (Ukraine: Crimea: Evpatoriya); Gogala, 2011:31 (Slovenia); Yildirim, 2012:78 (Turkey: Erzurum: Oltu; Iğdır); Kazenas, 2013a:143, 144 (color photographs of adult wasps, short information on geographic distribution and nesting habits), 2013b:499 (southeastern Kazakhstan: 45 km southwest of Chundzha on Temerlik River, Kurtogay on Sharyn River, Turaygyr Mountains); Józan, 2014:133 (Croatia: Meka Draga: Kruševo); Kazenas, 2014a:139 (Kazakhstan: Karatau Mountain Range); Protsenko, Fateryga, and Ivanov, 2014:34 (Crimea: many localities); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Mokrousov and Popov, 2016:591 (Russia: Krasnodarskiy Kray); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:23 (Turkey: İstanbul: Üsküdar); Arens, 2017a:644 (Greece: Peloponnesus); Danilov and Mokrousov, 2017b:253 (in catalog of Philanthinae of Russia); Shorenko, 2017:80 (in Crimea collected in June through August); Dollfuss, 2018:1143 (locality records from Bulgaria, Czech Republic: Niš, Croatia, France, Greece, Montenegro, Italy, Iran, Kazakhstan, Kyrgyzstan, Syria, Turkey, Ukraine, and Uzbekistan); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:9 (Azerbaijan: Nakhichevan Autonomous Republic); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:16 (Iran: known from Mazandaran Province); Shorenko, 2019:211 (among the commonest sphecid species in Crimea); Yalnız and Tüzün, 2019:16 (Turkey: Adana Province: no specific locality); Shorenko, 2020:48 (Crimea: Karadag Nature Reserve); Cross, Baldock, and Wood, 2021:64

(in catalog of Sphecidae *sensu lato* of Portugal: no specific locality); Dollfuss, 2021a:941 (locality records from Bulgaria), 2021c:596 (locality records from Bulgaria, Greece, Iran, Kazakhstan, Kyrgyzstan, and Turkey); Kaplan and Yildirim, 2021:95 (in catalog of Crabronidae of Turkey); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:248 (in revision of Sphecidae *sensu lato* of Europe); Malash, Edmardash, and Gadallah, 2022:20 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey); Yildirim, Anlaş, and Tezcan, 2023:1943 (Turkey: İzmir: Bornova); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution).

Cerceris conigera Dahlbom, 1845:501, ♀, ♂. Syntypes: southern Europe: no specific locality (Lund). Synonymized with *Cerceris flavicornis* by Schletterer, 1887:437 (tentatively), W. Schulz, 1911a:68, and de Beaumont, 1950c:322 (definitely). – A. Costa, 1860:10 (Italy: in revision of Sphecidae of Kingdom of Naples), A. Costa, 1863:66 (Italy: Calabria Ulteriore: Aspromonte, Brancaleone), 1867c:80 (in revision of Italian Sphecidae); Kirchner, 1867:221 (in catalog of European Hymenoptera); A. Costa, 1869b:96 (in revision of Italian Sphecidae); Palma, 1869:42 (Italy: Sicilia settentrionale); Radoszkowski, 1877:62 (Uzbekistan: Zaravschan valley); Marquet, 1881:189 (southern France); Gasperini, 1887:17 (Dalmatia: Brusije, Spalato, now Croatia: Brusje on Island of Hvar, Split); Schletterer, 1887:437 (in revision of Palearctic *Cerceris*), 489 (in checklist of world *Cerceris*); Ed. André, 1889:312 (in revision of Sphecidae of Europe and Algeria); Kohl and Handlirsch, 1889:278 (Turkmenistan); Schletterer, 1889a:901 (faunal records); Ed. André, 1891:25* (bibliographic references); F. Morawitz, 1891a:217 (Russia: Astrakhan'); Baldini, 1894:57 (Italy: Modena area); Medina, 1894b:262 (Spain: Sevilla); Schletterer, 1894:33 (Istria Peninsula, now part of Croatia, Slovenia, and Italy); Dalla Torre, 1897:456 (in catalog of world Hymenoptera); Mocsáry, 1897:80 (occurring in Hungary according to Schletterer, 1887); Antiga and Bofill, 1904:21 (Spain: Cataluña Province); W. Schulz, 1904b:93 (Greece: Syra; Spain: Granada); Schmiedeknecht, 1907:239, 243 (in key to Hymenoptera of Central Europe); de Gaulle, 1908:104 (in catalog of French Hymenoptera); Mercet, 1914:445 (recorded from Spain); Kohl, 1916:110 (Caucasus, Mongolia); Shestakov, 1916a:234 (Georgia: Tiflis, now Tbilisi), 1917c:48 (Ukraine: Crimea), 1918a:129 (Transcaspia); Maidl, 1922:69 (Croatia, Montenegro); Berland, 1924:90 (France: Var: Callian), 1925d:57 (in Sphecid Fauna of France); Coulon, 1925:117 (France: Cette, now Sète; Greece, Turkey); Shestakov, 1927a:11 (Ukraine: Kherson Oblast'), 19 (Russia: Ural'sk Oblast', now Kazakhstan: Oral Oblast'); A. Müller, 1930:181 (Bulgaria: Kaliakra); Schmiedeknecht, 1930:700, 703, 704 (in keys to Hymenoptera of North and Central Europe); Vorontsovskiy, 1930:65 (Russia: Orenburg Oblast'); Grandi, 1934:129 (Italy: Toscana: Viareggio); Giner Marí, 1941a:45 (in revision of Spanish *Cerceris*), 1943a:99 (in Sphecid Fauna of Spain); Guiglia, 1943d:91 (Albania: Scutari); Šnoflák *in* Zavadil and Šnoflák, 1948:89, 95 (in key to Sphecidae of Czechoslovakia, not yet found in Czechoslovakia); de Beaumont, 1953h:197 (study of only syntype ♀ preserved); Harant and Leclercq, 1955:251 (France: Hérault: Courparan); Bajári, 1956b:405, 408 (not collected in Hungary for 70 years); Ceballos, 1956:367 (in catalog of Hymenoptera of Spain); Grandi, 1957:388 (Italy); Čingovski, 1960:6 (Macedonia: Star Doyran); Balthasar, Hrubant, and Hrubant, 1967:175 (Bulgaria: Slanchev Bryag near Nessebar); Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino); Tüzün, Gülmez, and Bağriaçik, 1999:386 (Turkey: Aegean Region); Tüzün, 2001:44 (Turkey); Pagliano, 2014:105, 106 (specimens in M. Spinola collection, Torino, are *Cerceris flavicornis*).

Cerceris rostrata Marquet, 1875:205, ♀, ♂, junior primary homonym of *Cerceris rostrata* F. Smith, 1873. Syntypes: France: Hérault: Béziers (Lausanne). Synonymized with *Cerceris conigera* by Marquet, 1879:189 – de Beaumont, 1950c:327 (interpretation of species), 1952b:89 (synonymy with *Cerceris flavicornis* confirmed).

Cerceris antoniae Fabre, 1879:320, ♀ (as *Antoniae*, incorrect original capitalization). Syntypes: ♀, France: Var: Avignon (MNHN). Synonymized with *Cerceris conigera* by Fauvel, 1883:161, and Schletterer, 1889a:900

(as *antonii*). – Dalla Torre, 1881:155 (original description translated into German); Berland, 1923a:173 (*Cerceris antoniae* is a junior synonym of *conigera*).

294. *flavida* Cameron

Cerceris flavida Cameron, 1890a:116, ♀, ♂. Lectotype: ♀, Mexico: Veracruz: Cordova (BMNH), designated by G. Ferguson, 1984b:435. – Dalla Torre, 1897:460 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Scullen, 1972:27 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); G. Ferguson, 1984c:481 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

Cerceris atlacomulca Scullen, 1972:68, ♀, ♂. Holotype: ♀, Mexico: Mexico: Atlacomulca (USNM). Synonymized with *Cerceris flavida* by G. Ferguson, 1984c:481. – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Amarante, 2002:57 (in catalog of Neotropical Crabronidae, as valid species); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Amarante, 2005a:12 (correction to his 2002 catalog).

295. *flavilabris* (Fabricius)

Hylaeus flavilabris Fabricius, 1793:304, sex not stated. Lectotype: ♂, Italy (ZMUC), designated by van der Vecht, 1961a:66. – **As *Prosopis flavilabris***: Fabricius, 1804:294 (new generic assignment, redescription). – **As *Cerceris flavilabris***: de Beaumont, 1962b:21 (new generic assignment, Spain), 1964c:41 (in Sphecid Fauna of Switzerland), 1965a:21 (Greece); Tsuneki, 1965d:3 (prey record summary: Curculionidae); Bonelli, 1966c:217 (Italy: Trentino–Alto Adige: Montagna); de Beaumont, 1967a:287 (Turkey); Gauss, 1967:551 (Germany: Baden-Württemberg); Scobiola-Palade, 1967b:40 (Romania); Benedek, 1968:71 (Hungary, floral records); Scobiola-Palade, 1968c:383 (Romania: Copăceni); Benedek, 1969a:83 (Hungary; marshy meadow), 1970:97 (Hungary: Tapolca); Oehlke, 1970:682 (Democratic Germany: Potsdam area); Scobiola-Palade, 1971:205 (in review of *Cerceris* of Romania); Kazenas, 1972b:127 (Kazakhstan); Myartseva, 1972a:92 (Turkmenistan); Scobiola-Palade, 1972a:149 (Romania: delta of Danube: Caraorman); Simon Thomas, 1972:178 (France: Landes); Erlandsson, 1974:62 (Spain, Yugoslavia); Kazenas, 1974:109 (feeding on flowers of *Statice gmelini* Willd., Plumbaginaceae, in Kazakhstan); Benedek, 1975:251 (Hungary: onion pollinator); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Kolesnikov, 1977:317 (Russia: Bryansk Oblast'); Kazenas, 1978b:63, 67 (in key to Sphecidae of Kazakhstan and Central Asia); Marion, 1978:86 (France: Nièvre Department); Pulawski, 1978:195, 196 (in key to Sphecidae of European part of USSR); Benedek, 1979:229 (Hungary: Bakony Hills); Radović and Krunić, 1979:unpaginated foldout (nesting in coarse sand and loose soil, foreleg structure); Schmidt, 1979b:299 (Germany: Baden-Württemberg); Mityaev, Matesova, Kulenova, Kazenas, and Zhdanko, 1980:121 (Russia: Siberia: Altayskiy Kray: basin of Aley River); Pagliano, 1980:126 (Italy: Lazio); Gayubo, 1982b:53 (Spain: Ávila and Salamanca provinces), 1982e:110 (Spain: Cádiz Province); Dollfuss, 1983b:24 (in catalog of Sphecidae of Austria); Gayubo, 1983e:237 (Spain: Salamanca Province), 1984c:383 (Portugal: El Algarve Province); Gayubo and Tormos, 1984:25 (Spain: Valencia); Islamov and Kazenas, 1983:44 (Uzbekistan); Kazenas, 1984a:155 (in revision of *Cerceris* of Kazakhstan and Central Asia); Chevin and Chevin, 1985:39 (France: Aude); Józan, 1985b:62 (Hungary south of Lake Balaton), 82 (floral records), 85 (ecological and zoogeographic characteristics); Radović, 1985:66 (sting apparatus analyzed); Scobiola-Palade, 1985:96 (Romania: delta of Danube); Westrich and Schmidt, 1985b:110 (Germany: endangered in Baden-Württemberg); Gayubo, 1986a:67 (Spain: Ciudad Real Province), 1986d:122 (Spain: Zamora Province); Gayubo and Sanza, 1986:87 (Spain: Burgos); Gayubo and Tormos, 1986a:19 (Spain: Castellón de la Plana); Islamov, 1986:520 (Uzbekistan: Surkhandarya Oblast'); Józan, 1986:375 (Hungary: Kiskunság National Park); Dollfuss, 1987:24 (Austria); Pagliano, 1987:164 and 167 (in key to *Cerceris* of Italy); Asís and Jiménez,

1988:276 (Spain: Castellón Province); Dollfuss, 1988:19 (Austria: Bisamberg near Vienna); Karsai, 1988:101 (Hungary: Kiskunság National Park); Pagliano, 1988:147 (in revision of Italian Philanthinae); Józan, 1989:102 (Hungary: Tihany Nature Reserve); Pádr *in* Šedivy, 1989a:166 (in checklist of Czechoslovakian Sphecidae); Jacobs and Oehlke, 1990:122 and 217 (not collected in Democratic Germany after 1960); Kuznetzova, 1990:18 (Russia: Voronezh Oblast': Galich'ya Gora Nature Reserve); Pagliano, 1990:97 (in catalog of Italian Sphecidae); Day, 1991:xiii (summary of European Endangered Hymenoptera Lists); Dollfuss, 1991:221 (in key to Sphecidae of North and Central Europe); Gayubo, Borsato, and Osella, 1991:420 (Italy); Budrys, 1992:29 (in list of Sphecidae of Lithuania); Gorobchishin, 1993:47 (Ukraine: Kanev Nature Reserve); Józan, 1991:605 (Hungary: Bátorliget Nature Reserve), 1992a:230 (Hungary: Béda-Karapancsa Protected Area), 1992c:290 (Hungary: Zselic Hills); Negrisolo and Pagliano, 1993:94 (Italy: Sardegna); Torregrosa, Gayubo, Tormos, and Asís, 1993:21 (Spain: Alicante Province); Dollfuss, 1994:98 (endangered in Austria); Gayubo and Borsato, 1994:222 (Italy: Toscana, Sardegna); Krasnobayev et al., 1995:138 (Russia: Zhiguli Hills northwest of Samara); Gorobchishin, 1995:19 (Ukraine: Kanev Nature Reserve); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Scharrer, 1995:30 (Croatia: Island of Krk including Malinska and Rudina); Schmid-Egger, Risch, and Niehuis, 1995:167 (Germany: summary of records from Rheinland-Pfalz); Schmid-Egger, Schmidt, and Doczkal, 1996:376 (Germany: Baden-Württemberg: endangered); Voblenko, Gorobchishin, and Nesterov, 1996:15 (Ukraine: Polesye Region); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:340 (in Sphecid Fauna of Western Europe); Celary, 1997:60 (in checklist of Animals of Poland); Schmidt and Schmid-Egger, 1997:7 (in checklist of German Sphecidae); F. Burger, Saure, and Oehlke, 1998:27 (Germany: in list of Sphecidae of Brandenburg), 38 (probably not established there); Dollfuss, Gusenleitner, and Bregant, 1998:525 (Austria: summary of collecting records from Burgenland); Gorobchishin, 1998a:50 (Ukraine: Kiev and surroundings); Anan'eva and Kochetkov, 1999:6 (Russia: Ryazan Oblast': no specific locality); M. Schwarz, 1999:88 (Austria: Oberösterreich: city of Linz area): Blösch, 2000:418 (in Sphecid Fauna of Germany); Dressler, 2000:31 (Germany: Hessen: Darmstadt area); Esenbekova and Kazenas, 2000:75 (southeastern Kazakhstan: 35 km north of Alma Ata); Józan, 2000:114 (Hungary: Bakony Mountains); Ljubomirov, 2000:13 (Bulgaria, specimens in N. Nedelkov collection); K. Schmidt, 2000:60 (in revision of Western Palearctic *Cerceris*); Shkuratov, 2000:56 (Russia: Rostov Oblast': Vëshenskaya village area at 49°37'N 41°45'E); Vicidomini, 2000b:23 (Italy: previously recorded from Campania); Józan, 2001:281 (Hungary: Somogy County); Kazenas, 2001b:55 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:114, 118 (in key to *Cerceris* of Kazakhstan and Central Asia); Ohl et al., 2001:137 (distribution in Germany by provinces); Józan, 2002:54 (Hungary: Mecsek Mountains); Kazenas, 2002a:145 (geographic distribution, collecting localities in Kazakhstan); Shkuratov, 2002b:139 (Russia: Rostov Oblast': Rostovskiy Nature Reserve at 46°27'N 42°41'E); Drewes, 2003:134 (Germany: Baden-Württemberg: Kaiserstuhl); Generani, Pagliano, Scaramozzino, and Strumia, 2003:65 (Italy: Arcipelago Toscano); Schmid-Egger, 2003:751 (Italy: Sicilia: Castelammare, Randazzo); Gorobchishin and Protsenko, 2004:39 (Ukraine: Kherson Oblast': Chernomorskiy Nature Reserve); Kazenas, 2004b:112 (Kazakhstan: western Tien Shan), 2004d:36 (Kazakhstan: Eltay on Ural River); Shkuratov, 2004a:74 (Russia: Rostov Oblast'); Skibińska *in* Bogdanowicz, Chudzicka, Pilipiuk, and Skibińska, 2004:355 (in catalog of Polish Crabronidae); Wiśniowski, 2004:52 and 63 (in checklist of Polish Sphecidae); Ebrahimi, 2005:131 (in key to selected Iranian Sphecidae); Pagliano and Negrisolo, 2005:323 (in Sphecid Fauna of Italy); Shorenko, 2005a:169 (Ukraine: Crimea), 2005b:99 (Ukraine: Crimea: Karadagh Nature Reserve); Straka, 2005a:397 (critically endangered in Czech Republic); Yildirim and Ljubomirov, 2005:1803 (Turkey: Bilecik, Erzincan, Erzurum, Iğdır, Kars, and Rize provinces, as *favilabris*); Gadoum and Barbier, 2006:44 (France: départements of Val-d'Oise and Yvelines: Parc Naturel Régional du Vexin Français: Guernes and Saint-Martin-la-Garenne); Gorobchishin, 2006:150 (Ukraine: Cherkasy Oblast': Kaniv Nature Reserve; Kyiv Oblast': village Kruglyk near Kyiv; Poltava Oblast': village Matviivka, Poltava); Ljubomirov, 2006:537 (Bulgaria:

Rhodope Mountains: Peshtera, as *flavilabris flavilabris*); Jacobs, 2007:185, 188 (in key to Crabronidae of Germany); Józan, 2007:180 (Hungary: Zselic hills); Kazenas, 2007a:93 (Kazakhstan: Akmala Oblast': Kurgandzhin Nature Reserve and vicinity); Saure, 2007:81 (Germany: in checklist of Aculeata of Brandenburg); Vepřek and Straka, 2007:209 (in catalog of Sphecidae of Czech Republic and Slovakia); Danilov and Tshernyshev, 2008:43 (Russia: Novosibirsk Oblast': Karasuk area); Ljubomirov and Yildirim, 2008:141 (in catalog of Crabronidae of Turkey); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); Józan, 2009:167 (Croatia: 3 km north of Brseč, Funyana); Nemkov, 2009b:147 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia); Shorenko, 2009:369 (in list of Sphecidae *sensu lato* of Crimea); Bitsch, 2010:118 (in supplement to vol. II of Faune de France, 1997: France: first records from Loir-et Cher: Saint-Laurent-des-Eaux and Loiret: Beaugency); Ermilov and Mokrousov: 2010:91 (phoretic mites *Crabrovidia popovi* Zachvatkin and *Sancassania* sp. in Middle Volga Region of Russia); Mokrousov, 2010a:63 (Russia: Nizhniy Novgorod Oblast', Tatarstan: no specific localities); J. Neumayer, 2010:334 (Austria: Niederösterreich: Thayatal National Park); Rudoiskatel', 2010:149 (Russia: southern Ural Mountains); Schmid-Egger, 2010a:14 (in red list of Aculeata of Germany: very rare); Shorenko and Konovalov, 2010:28 (Ukraine); Tüzün and Yüksel, 2010:4475 (Turkey: Niğde Province); Wurdack and Gack, 2010:153 (Germany: Baden-Württemberg: Kaiserstuhl); Baghirov, 2011b:154 (Russia: Altay Republic: Kosh-Agach); Gogala, 2011:31 (Slovenia); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Mokrousov, Berezin, and Egorov, 2011:82 (Russia: Chuvash Republic); Rudoiskatel', 2011b:68 (Russia: Republic of Bashkortostan); Tischendorf, Frommer, Flügel et al., 2011:84 (Germany: Hessen: limited distribution); Boillat, 2012:228 (Switzerland: in checklist of insects of Canton de Genève); Kazenas, 2012b:170 (Kazakhstan: Korgalzhin State Nature Reserve); Prisniy, 2012:52 (Russia: Belgorod Oblast'); Saure, 2012:30 (Germany: Brandenburg: Döberitzer Heide at 52.524°N 13.005°E); Standfuss and Standfuss, 2012:428 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Strumia, Pagliano, and Gayubo, 2012:56 (Italy: Toscana: Riserva di San Rossore); Yildirim, 2012:78 (Turkey: Bayburt, Erzurum, Iğdır, and Kars provinces); Dyuzhaeva, 2013:116 (Russia: Samara Oblast': Zhiguli Nature Reserve); Kazenas, 2013b:500 (southeastern Kazakhstan: Ili River valley); Baldock, 2014:360 (Spain: Island of Mallorca); Ebrahimi, 2014:45 (Iran: Alborz, Khorāsān-e Razavi, and Tehrān provinces); Mokrousov and Vafin, 2014:60 (Russia: Republic of Tatarstan); Protsenko, Fateryga, and Ivanov, 2014:35 (Crimea: many localities); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces, as *flavilabris flavilabris*); Atbaei, Fallahzadeh, and Ljubomirov, 2015:8 (Iran: Fars Province, as *flavilabris flavilabris*); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Lett, 2015:5 (France: Loir-et-Cher: Gièvre); Le Divelec, Chapelin-Viscardi, and Larivière, 2016:109 (northern France: in agricultural landscapes); Ben Khedher, Yildirime, and Braham, 2020c:10 (first record from Tunisia: Nabeul and Zaghoual provinces); Cassar, Mifsud, and Schmid-Egger, 2020a:78 (Malta: Delimara and Imselliet Valley); Shorenko, 2020:48 (Crimea: Karadag Nature Reserve); Cross, Baldock, and Wood, 2021:64 (in catalog of Sphecidae *sensu lato* of Portugal); Danilov, Odintseva, and Odintsev, 2021:21 (Russia: previously recorded from Omsk Oblast'); Dollfuss, 2021a:941 (locality records from Bulgaria, Croatia, Czech Republic, France, Greece, Italy, and Slovakia), 2021c:596 (locality records from Algeria,Bulgaria, Croatia, France, Greece, Kyrgyzstan, Portugal, Russia: Astrakhan', Slovakia, Syria,and Turkey); Kaplan and Yildirim, 2021:96 (in catalog of Crabronidae of Turkey, as *flavilabris flavilabris*); Olszewski, Wiśniowski, and Ljubomirov, 2021:84 (in commented list of Sphecidae *sensu lato* of Poland); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:249 (in revision of Sphecidae *sensu lato* of Europe); Malash, Edmardash, and Gadallah, 2022:20 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey, as *flavilabris flavilabris*); Yildirim, Anlaş, and Tezcan, 2023:1943 (Turkey: İzmir: Bornova); Me-

detov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:429 (Uzbekistan: distribution); Olszewski, Sparks, Twerd, and Wiśniowski, 2024:5 (central Poland: common in river valleys: no specific localities, near threatened); Pytel-Huta and Franchuk, 2024:89 (Ukraine: Rivno Nature Reserve).

Cerceris aurita Latreille, [1805]:315, ♀, ♂, junior secondary homonym of *Cerceris aurita* (Fabricius, 1794) (= *Cerceris arenaria*). Syntypes: France: no specific locality (lost). Synonymized with *Cerceris ferreri* by Berland, 1926a:52. – Spinola, 1806:96 (Italy: Liguria); Latreille, 1809b:423 (nesting habits); Dufour, 1841c:354 (curculionid prey: *Otorhynchus raucus* and *Phytonomus punctatus*); von Frauenfeld, 1861:103 (Croatia: Dalmatia: no specific locality); Berland, 1925d:58 (in Sphecid Fauna of France); Grandi, 1931:58 (Italy: vicinity of Roma); Masi, 1933:196 (Italy: Toscana: Isola di Capraia); Giner Marí, 1934:131 (Spain); Bernard, 1935:62 (France: Var: Fréjus area); Zavadil, Šustera, and Bat'a, 1937:208 (in catalog of Sphecidae of Czechoslovakia); Kuntze and Noskiewicz, 1938:378 (in Poland known only from Podole region, now Ukraine); Giner Marí, 1941a:50 (in revision of Spanish *Cerceris*), 1941b:248 (in revision of North African *Cerceris*); Balthasar, 1943:42 (Czech Republic: Moravia: Zlin area); Giner Marí, 1943a:101 (in Sphecid Fauna of Spain), 1945a:248 (Cyprus; Greece: Island of Rhodes); Šnoflák *in* Zavadil and Šnoflák, 1948:87, 96 (in key to Sphecidae of Czechoslovakia, not yet found in Czechoslovakia); de Andrade, 1949:12 (Portugal: Massorra, Valença do Minho); de Beaumont, 1950c:318 (preoccupied name, cannot be used for *Cerceris ferreri*); Georgel, 1950:63 (France: Seine-et-Oise: Sucy-en-Brie); de Beaumont, 1951f:364 (a synonym or subspecies of *Cerceris ferreri*, preoccupied); Cleu, 1953:50 (France: Ardèche River basin); Hertzog, 1954:100 (France: Bouches-du-Rhône: Camargue); Vogrin, 1955:32 (Yugoslavia); Ceballos, 1956:366 (in catalog of Hymenoptera of Spain); Diniz, 1959:28 (Portugal: Massorra, Valença do Minho); Babiy, 1964:117 (Austria: Land Salzburg); Balthasar, 1972:410 (in Sphecid Fauna of Czechoslovakia: may be expected in the country).

Cerceris ferreri Vander Linden, 1829:114, ♀. Holotype: ♀, Italy: Turin (Inst. Roy. Sci. Nat. Belgique, Bruxelles). Synonymized with *Cerceris aurita* Latreille by Berland, 1925d:58, and with *Cerceris flavilabris* by van der Vecht, 1961a:66. – Dufour, 1841a:509 and 1841b:245 (digestive tract), 1841a:511 and 1841b:247 (male reproductive system), 1841a:512 and 1841b:248 (female reproductive system); Dahlbom, 1844:219 (in revision of Sphecidae and Pompilidae), 1845:501 (in key to world *Cerceris*); Lepeletier de Saint Fargeau, 1845:4 (in revision of world Hymenoptera); Fabre, 1856a:137 (France: Vaucluse: Avignon area), 1856b:184 (list of prey); F. Smith, 1856:439 (in catalog of Hymenoptera in British Museum); Sichel, 1861:752 (Italy: Sicilia, determination tentative); A. Costa, 1867c:82 (in revision of Italian Sphecidae); Kirchner, 1867:221 (in catalog of European Hymenoptera); A. Costa, 1869b:98 (in revision of Italian Sphecidae); Palma, 1869:42 (Italy: Sicilia settentrionale); A. Costa, 1871:33 (Italy: in revision of Sphecidae of Kingdom of Naples); P. Ivanov, 1872:152 (Ukraine: Kharkov Oblast': Kupyansk area); Ghiliani, 1873 (Italy: Piemonte: Susa); Dours, 1874:144 (in catalog of Hymenoptera of France); Marquet, 1875:205 (France: Haute-Garonne: Toulouse); nec Radoszkowski, 1877:55 (= *Cerceris laxata*); Marquet, 1881:190 (southern France, preying on Coleoptera); Yaroshevskiy, 1881:123 (Ukraine: Khar'kiv Oblast': Kupyansk); Kohl, 1883e:664 (Switzerland); A. Costa, 1886a:9 (Italy: Sardegna); De Stefani Perez, 1886:171 (Italy: Sicilia: monte di Renda near Palermo); Schletterer, 1887:441 (in revision of Palearctic *Cerceris*), 491 (in checklist of world *Cerceris*); Cuní y Martorell, 1888:164 (Spain: Barcelona); Kohl, 1888b:727 (Austria: Tirol, now Italy: Alto Adige); Ed. André, 1889:302, 308 (in revision of Sphecidae of Europe and Algeria), 22* (bibliographic references); Gasperini, 1889:69 (Dalmatia); F. Morawitz, 1889a:159 (China); Schletterer, 1889a:901 (faunal records); Radoszkowski, 1890b:507 (Armenia: Mount Ararat); Steck, 1890:169, 170 (in key to *Cerceris* of Switzerland); F. Morawitz, 1891a:217 (Russia: Astrakhan' Governorate); Kohl, 1893a:35 (Austria: Niederösterreich: Bisamberg and Piesting); F. Morawitz, 1893b:420 (Tajikistan: Iskander-kul in Zeravshan River valley); Baldini, 1894:55 (Italy: Modena area); De Stefani Perez, 1894:216 (Italy: Sicilia); Medina, 1894b:262 (Spain: Coria del Rio, Pozuelo de Calatrava); Schletterer, 1894:33 (Istria Peninsula,

now part of Croatia, Slovenia, and Italy); De Stefani Perez, 1895:227 (in catalog of Sicilian Hymenoptera); Acloque, 1897:81 (in Sphecid Fauna of France and Algeria); Borries, 1897:53 (reference to Fabre, 1886:184); Cuní y Martorell, 1897:331 (Spain: Cataluña: villa de Calella); Dalla Torre, 1897:459 (in catalog of world Hymenoptera); Mocsáry, 1897:80 (Kingdom of Hungary, some localities are in today's Croatia, Romania, and Slovakia); Flamary, 1898:38 (France: Saône-et-Loire: Mâcon area); Ferton, 1901a:109 (list of prey); Chyzer, 1902:33 (Hungary); Antiga and Bofill, 1904:21 (Spain: Cataluña Province); E. Saunders, 1904c:608 (Spain: Island of Mayorca), 639 (Spain); W. Schulz, 1904b:94 (Spain: Madrid); Ferton, 1905:66 (prey: *Strophomorphus porcellus* (Schönherr), Curculionidae); Mantero, 1905:69 (Italy: Toscana: Isola del Giglio); W. Schulz, 1905b:38 (Algeria: Biskra); Dusmet y Alonso, 1906:7 (Spain); Schmiedeknecht, 1907:239, 244 (in key to Hymenoptera of Central Europe); de Gaulle, 1908:104 (in catalog of French Hymenoptera); Šustera, 1909:35 (Czech Republic: vicinity of Praha); Zavattari, 1910:3 (Italy: Isola d'Elba: Portoferraio); Zavattari, 1913b:3 (Greece: Island of Rhodes); Mercet, 1914:445 (recorded from Spain); Shestakov, 1914b:409 (Russia: Siberia: Selety near Omsk, Don area); Szilády, 1914:89 (Hungary: Miriszló); Dusmet y Alonso, 1915:87 (Spain: Aragón); Shestakov, 1916:234 (Transcaucasia), 1917c:48 (Ukraine: Crimea), 1918a:131 (Transcaspia); Maidl, 1922:69 (Croatia); Noskiewicz, 1922b:231 (Poland: Podole Region: Mielnica, now Ukraine); Shestakov, 1922:82 (Russia: Stavropol' area); Coulon, 1925:117 (France: Marseille; Spain, Algeria); Shestakov, 1927a:7 (Russia: Kursk Oblast'), 9 (Ukraine: Lubni area in Poltava Oblast'), 10 (Poltava Oblast'), 11 (Ukraine: Kherson Oblast'), 17 (Russia: Orenburg Oblast'), 19 (Stalingrad Oblast', now Volgograd Oblast'), 19 (Russia: Ural'sk Oblast', now Kazakhstan: Oral Oblast'); Vorontsovskiy, 1928:43 (Russia: vicinity of Orenburg); Schmiedeknecht, 1930:700, 705 (in keys to Hymenoptera of North and Central Europe); Vorontsovskiy, 1930:64 (Russia: Orenburg Oblast'); Dusmet y Alonso, 1931:7 (Portugal: Mitra); Kolosov, 1937:219 (Ukraine: Kupyansk); Dovnar-Zapolskiy, 1940:304 (Russia: Kursk Oblast'); Giner Marí, 1941a:52 (in revision of Spanish *Cerceris*), 1941b:291 (North African records actually refer to *Cerceris aurita*); Paul, 1941:48 (Germany: Pommern: Sellin, now Poland: Województwo Zachodniopomorskie: Zielin Miastecki); Giner Marí, 1943a:101 (in Sphecid Fauna of Spain); Giordani Soika, 1944:12 (Italy: Sicilia: Siracusa, Taormina); Balthasar, 1945:115 (Czech Republic: southeast Morava Region); Giner Marí, 1945a:248 (Greece: Island of Rhodes; as *ferreroi*); de Beaumont, 1947b:385 (Cyprus); Balthasar, 1948:143 (Slovakia: Kovačov, Parkan); Šnoflák *in* Zavadil and Šnoflák, 1948:87, 97 (in key to Sphecidae of Czechoslovakia); de Andrade, 1949:12 (Portugal); de Beaumont, 1950f:397 (Algeria); Pittioni, 1950:22 (Cyprus); de Beaumont, 1951f:364 (Algeria, Morocco; Giner Marí's recognition of *Cerceris aurita* and *C. ferreri* is problematic; comparison of French and North African populations); Leininger, 1951:118 (Germany: Baden-Württemberg: Kaiserstuhl); de Beaumont, 1952a:69 (in revision of *Cerceris* of France), 1953g:123 (Morocco); Móczár, 1953:310 (Hungary); Nouvel and Ribaut, 1953:177 (France: Central Pyrénées: rare in Garonne River valley); de Beaumont, 1954e:87 (Italy); Grandi, 1954:237 (Italy); Hertzog, 1954:100 (France: Bouches-du-Rhône: Camargue); Steiner, 1955:136 (France: Dordogne); Bajári, 1956a:84 (in catalog of Hungarian *Cerceris*, with list of localities); Ceballos, 1956:368 (in catalog of Hymenoptera of Spain); Morel, Nouvel, and Ribaut, 1956:337 (France: Département des Pyrénées-Orientales); Bajári, 1957a:35, 44 (in key to Hungarian Sphecidae); de Beaumont, 1957b:133 (northern Iran); Grandi, 1957:388 (Italy); de Beaumont, 1958d:273 (Greece), 286 (Cyprus); Nouvel and Ribaut, 1958:9 (France: Pyrénées-Orientales: Banyuls-sur-Mer area); Pulawski, 1958a:167 (Bulgaria: Aitos); Compte Sart, 1959:132 (Spain: Mayorca); de Beaumont, 1959a:16 (Italy); de Beaumont and Bytinski-Salz, 1959:123 (Israel); Diniz, 1959:28 (Portugal: Mata do Valado, Mitra); Grandi, 1959b:287 (Italy: Sardegna: Oristano); Scobiola-Palade, 1959:496 (Romania: Constanța Region: Agigea, Valui lui Traian); Wolf, 1959b:32 (known from Germany, but not from Nassau); de Beaumont, 1960a:8 (Greece: Island of Rhodes); Hamann, 1960:196 (Austria: Niederöstereich: Mönchgraben at 48°13'N 14°21'E); Noskiewicz and Puławski, 1960:75, 79 (in key to Polish Sphecidae); van der Vecht, 1961a:66

(synonymy); Grandi, 1962:98 (Italy); Wengris, 1962:204 (Lithuania: Vilnius area: Leoniszki, now Leoniškės); Ceballos, 1964:88 (in supplement to catalog of Spanish Sphecidae); Diniz, 1966:7 (Portugal: seven localities); Romanova, 1969:133 (Russia: North Caucasus); Balthasar, 1972:410 (in Sphecid Fauna of Czechoslovakia); Georghiou, 1977:189 (Cyprus); Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino); Kowalczyk, 1988a:45 (Poland: Rogów, determination questionable); Blagoveshchenskaya, 1994:92 (Russia: Ul'yanovsk Oblast', as *ferneri*); Pagliano, 2014:105 (specimens in M. Spinola collection, Torino, are *Cerceris flavilabris* and *Cerceris ruficornis*).

Cerceris propinqua A. Costa, 1860:13, ♀. Lectotype: ♀, Italy: Napoli (Napoli), designated by de Beaumont, 1950c:325. Synonymized with *Cerceris ferreri* by A. Costa, 1869:98. – Kirchner, 1867:221 (in catalog of European Hymenoptera, as *propingua*).

Cerceris scutellaris A. Costa, 1867c:82, ♀. Syntypes: Italy: Sardinia and Napoli area: no specific localities (Napoli). Synonymized with *Cerceris ferreri* by de Beaumont, 1950c:325 (study of holotype). – A. Costa, 1871c:96 (description of ♀), pl. III fig. 6 (color illustration).

Cerceris scutellaris A. Costa, 1869b:98, ♀. Objective synonym of *Cerceris scutellaris* A. Costa, 1867c:82

Cerceris ferreroi W. Schulz, 1906:194 (as *Ferreroi*, incorrect original capitalization). Unjustified emendation of *Cerceris ferreri* Vander Linden, 1829.

ssp. *laminata* Eversmann

Cerceris laminata Eversmann, 1849:406, ♀. Syntypes: ♀, Russia: Ural Mountains foothills (no specific locality) and Sarepta, nowKrasnoarmeysksouth of Volgograd (Kraków). – Kohl, 1885c:165 (as new synonym of *Cercerus ferreri*), 1916:116 (types in O. Radoszkowski collection, Kraków). – **As *Cerceris flavilabris laminata***: Kazenas, 1984a:155 (new status, in revision of *Cerceris* of Kazakhstan and Central Asia); K. Schmidt, 2000:61 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001d:118 (in key to *Cerceris* of Kazakhstan and Central Asia); Ljubomirov and Yildirim, 2008:142 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Dollfuss, 2018:1143 (Crimea: Anatra in Simferopol District), 2021c:596 (Kazakhstan: Kotuma at Lake Alakol; Ukraine: Zaporizhzhia); Kaplan and Yildirim, 2021:96 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:20 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

296. *flaviventris* Vander Linden

Cerceris flaviventris Vander Linden, 1829:109, sex not stated. Holotype or syntypes: Spain: no specific locality (originally Déjean coll., now?). – Dahlbom, 1844:195 (in revision of Sphecidae and Pompilidae), 1845:498 (in key to world *Cerceris*); F. Smith, 1856:442 (in catalog of Hymenoptera in British Museum); Radoszkowski, 1870:102 (*Cerceris rufiventris* listed as synonym); Kirchner, 1867:221 (in catalog of European Hymenoptera); Schletterer, 1887:470 (original description copied), 492 (in checklist of world *Cerceris*); Ed. André, 1889:313 (in revision of Sphecidae of Europe and Algeria), 1891:29* (bibliographic references); Medina, 1894b:263 (Spain: 263); Dalla Torre, 1897:460 (in catalog of world Hymenoptera); Mercet, 1914:445 (recorded from Spain); Kohl, 1916:111 (specimen in O. Radoszkowski collection, Kraków); Giner Marí, 1941a:85 (original description translated into Spanish), 1941b:286 (original description copied, status uncertain); de Beaumont, 1953e:2 (redescription); Ceballos, 1956:368 (in catalog of Hymenoptera of Spain); de Beaumont, 1957d:332 (reference to earlier paper); Ceballos, 1959:229 (in supplement to catalog of Spanish Sphecidae); de Beaumont, 1962b:21 (Spain), 30 (geographic variation); Ceballos, 1964:88 (in supplement to catalog of Spanish Sphecidae); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino); Gayubo, 1981c:199 (Spain: Salamanca Province, recognition of subspecies not justified), 1982e:110 (Spain: Cádiz Province; as *flaviventris flaviventris*); Gayubo and Tormos, 1984:25 (Spain: Valencia; as *flaviventris flaviventris*); Tormos and Jiménez, 1987b:317 (Spain: Valencia Province: Dehesa de El Saler);

Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:342 (in Sphecid Fauna of Western Europe); Gonzáles, Gayubo, and Torres, 1998:74, 75 (Spain: Valladolid Province), 1999:356 (Spain: Valladolid: Viana de Cega); K. Schmidt, 2000:62 (in revision of Western Palearctic *Cerceris*); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); Gayubo, González, Tormos, and Asís, 2009:365 (Spain: Valladolid: Reserva Natural Riberas de Castronuño – Vega del Duero); Bitsch, 2010:118 (in supplement to vol. II of Faune de France, 1997: recent record from Spain reported, as *flavilabris*); Dollfuss, 2018:1146(locality records from Morocco and Spain), 2021c:597 (Algeria: Sidi Ferrouche; Morocco: Kenitra; Spain: Jerez, Sevilla); Malash, Edmardash, and Gadallah, 2022:20 (in catalog of Middle Eastern and North African Philanthinae); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:250 (in revision of Sphecidae *sensu lato* of Europe).

Cerceris quilisi Giner Marí, 1941a:64, ♂, ♀. Holotype: sex not stated, Spain: Valencia: Dehesa de la Albufera (MNCN). Synonymized with *Cerceris flaviventris* by de Beaumont, 1953e:2. – Giner Marí, 1943a:102 (in Sphecid Fauna of Spain); Ceballos, 1956:371 (in catalog of Hymenoptera of Spain).

Cerceris pardoi Giner Marí, 1941b:268, ♀, ♂. Syntypes: Morocco: Larache (MNCN). Synonymized with *Cerceris flaviventris flaviventris* by Gayubo, 1981c:202. – de Beaumont, 1951f:360 (Morocco: Atlantic coast; discussion of status), 1953g:123 (Morocco). – **As *Cerceris lusitana pardoi***: de Beaumont, 1953e:4 (new status); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae).

ssp. *lusitana* de Beaumont

Cerceris flaviventris lusitana de Beaumont, 1953e:4, ♀, ♂. Holotype: ♀, Portugal: Caparica (Coimbra). – Diniz, 1959:28 (Portugal: Caparica, Trafaria, as *lusitanica*); Diniz, 1966:7 (Portugal: Caparica, Sines, Trafaria); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); K. Schmidt, 2000:63 (in revision of Western Palearctic *Cerceris*); Cross, Baldock, and Wood, 2021:65 (in catalog of Sphecidae *sensu lato* of Portugal).

297. *flavocostalis* Cresson

Cerceris flavocostalis Cresson, 1865a:153, ♀, ♂. Syntypes: Cuba: no specific locality (IZAC). – Cresson, 1865c:123 (in revision of North American Philanthinae); Packard, 1866:62 (bibliographic reference, known from Cuba); Schletterer, 1887:492 (in checklist of world *Cerceris*); Dalla Torre, 1897:461 (in catalog of world Hymenoptera); Cresson, 1916:100 (type material in Gundlach collection); Giner Marí, 1943c:331 (in revision of Cuban *Cerceris*); Alayo Dalmau, 1968a:7 (in revision of Cuban Sphecidae), 1973:190 (in catalog of Cuban Hymenoptera), 1976:15, 16 (in key to Cuban *Cerceris*), 30 (in checklist of Cuban Sphecidae); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); G. Ferguson, 1984c:481 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Portundo and Fernández, 2004:134 (Cuba: Sierra Maestra and Nipe-Sagua-Baracoa mountains); Genaro, 2006:58 (in checklist of Cuban Sphecidae and Crabronidae; also: Isla de la Juventud), 2017:10 (in list of Antillean *Cerceris*).

298. *flavofasciata* H. Smith

Cerceris flavofasciata H. Smith, 1908:364, ♀. Holotype: ♀, USA: Nebraska: Lincoln (UNL). – J. Smith, 1910:678 (in new list of insects of New Jersey); Viereck, 1911:98 (*Cerceris flavofasciata* Sm. in H. Smith, 1910:678, should read *flavofasciata* H.S. Sm.); Mickel, 1916a:409 (description of ♂), 1918b:448 (in catalog of Nebraskan Sphecidae); Rau, 1922:31 (USA: Missouri: Wesco); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1007 (in catalog of North American Hymenoptera); Muma, 1952:17 (holotype in UNL); Krombein, 1953b:123 (visiting foliage of *Quercus virginiana* Mill), 124 (visiting flowers of *Pluchea* sp., Asteraceae), 134 (North Carolina: Kill Devil Hills), 1959e:197 (nesting habits); Scullen, 1965b:420 (in revision of North American *Cerceris*, as *flavofasciata flavofasciata*); Tsuneki, 1965d:4 (prey record summary: Chrysomelidae); Wray, 1967:124 (North Carolina: Kill Devils Hills); Scullen and Wold, 1970:211

(distribution and summary of prey records, as *flavofasciata flavofasciata*); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); L. Davis, 1978:216 (North Carolina: Kill Devil Hills, data from Krombein, 1953b); Krombein, 1979b:1733 (in catalog of North American Hymenoptera, nesting sites, list of parasites and prey); G. Ferguson, 1984c:481 (in annotated list of North American and Caribbean *Cerceris*); Steiner, 1986:113 (references to publications on nesting habits); Ahlstrom, 1995:114 (in checklist of insects of North Carolina).

Cerceris floridensis Banks, 1915:403, ♂. Lectotype: ♂, USA: Florida: Gulfport (MCZ), designated by G. Ferguson, 1983b:226. Synonymized with *Cerceris flavofasciata* by G. Ferguson, 1984c:482. – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1008 (in catalog of North American Hymenoptera). – **As *Cerceris flavofasciata floridensis***: Evans, 1964b:276 (new status, description of larva); Krombein, 1964c:20 (nest, prey, life cycle); Scullen, 1965b:423 (new status, in revision of North American *Cerceris*); Scullen and Wold, 1970:211 (distribution and summary of prey records); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Krombein, 1979b:1733 (in catalog of North American Hymenoptera, nesting sites, list of prey); Kurczewski and Miller, 1984:148 (nesting habits); Ahlstrom, 1995:114 (in checklist of insects of North Carolina); Deyrup and Eisner, 2003:522 (a Floridian, red-marked subspecies).

Cerceris natallenus Brimley, 1927:238, ♀, ♂. Holotype: ♀, North Carolina: La Grange (originally North Carolina Department of Agriculture, now USNM). Synonymized with *Cerceris flavofasciata* by Scullen *in* Muesebeck, Krombein, and Townes, 1951:1007. – Brimley, 1938:448 (North Carolina: Bostic, La Grandge, Laurel Hill, Willard).

Cerceris sp.: Krombein, 1953a:298 (visiting flowers of *Cephalanthus occidentalis* L., Rubiaceae), 337 (North Carolina), corrected to *Cerceris floridensis* by Krombein, 1928c:99.

299. *flavonasuta* Arnold

Cerceris flavonasuta Arnold, 1951:105, ♀, ♂. Lectotype: Ethiopia: Aselle (BMNH), designated by Empey, 1983:171. – Empey, 1969a:308 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Empey, 1983:171 (bibliographic reference, type material examined).

300. *flavopicta* F. Smith

Cerceris flavopicta F. Smith, 1856:451, ♀, ♂ (as *flavo-picta*, incorrect original hyphenation). Syntypes: northern India: no specific locality (BMNH). – F. Smith, 1871a:370 (in catalog of Oriental Aculeata); Schletterer, 1887:492 (in checklist of world *Cerceris*); Cameron, 1890b:249 (in checklist of Oriental Sphecidae); Bingham, 1897:301 (in key to *Cerceris* of British India), 306 (in revision of *Cerceris* of British India); Dalla Torre, 1897:461 (in catalog of world Hymenoptera); Rothney, 1903:105 (India: West Bengal: Barrackpore); Maxwell-Lefroy, 1909:209 (India: common); R. Turner, 1912e:492 (in revision of *Cerceris* of Indian subcontinent); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae).

As *Cerceris sulphurea*: Bingham, 1897:301 (in key to *Cerceris* of British India), 305 (in revision of *Cerceris* of British India), corrected to *Cerceris flavopicta* by R. Turner, 1912e:492.

301. *flavoplagiata* Cameron

Cerceris flavoplagiata Cameron, 1905a:16, ♀. Holotype: ♀, India or Pakistan: Himalayas: no specific locality (BMNH). – R. Turner, 1912e:494 (in revision of *Cerceris* of Indian subcontinent); Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Empey, 1984:77 (in checklist of Oriental *Cerceris* described by Cameron, discussion of type specimen).

302. *flavotrochanterica* Rohwer

Cerceris flavotrochanterica Rohwer, 1912:471, ♂. Holotype: ♂, Mexico: Distrito Federal: no specific locality (USNM). – Scullen, 1972:81 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); G. Ferguson, 1984c:482 (in annotated list of North

American and Caribbean *Cerceris*); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

Cerceris duisi Scullen, 1972:47, ♀. Holotype: Mexico: Veracruz: Mendoza: 10 mi. southwest of Mendoza (USNM). Synonymized with *Cerceris flavotrochanterica* by G. Ferguson, 1984c:482. – R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

303. *fletcheri* R. Turner

Cerceris fletcheri R. Turner, 1912e:500, ♀. Holotype or syntypes: ♀, India: Bihar: Chapra ("in the Pusa collection"). – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae).

304. *fluvialis* F. Smith

Cerceris fluvialis F. Smith, 1873c:412, ♀. Holotype or syntypes: ♀, Australia: Western Australia: Swan River (BMNH). – Schletterer, 1887:492 (in checklist of world *Cerceris*); Froggatt, 1892:222 (in catalog of Australian Hymenoptera); Dalla Torre, 1897:461 (in catalog of world Hymenoptera); R. Turner, 1910b:421 (in key to *Cerceris* of Australia), 1912d:665 (in key to *Cerceris* of Australia), 667 (in revision of *Cerceris* of Australia); Tsuneki, 1968e:3 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Evans, 1982a:321 (in revision of Eastern Australian *Cerceris*); Cardale, 1985:298 (in catalog of Australian Sphecidae).

305. *fodiens* Eversmann

Cerceris fodiens Eversmann, 1849:401, ♀, ♂. Lectotype: ♂, Russia: Orenburg Province (Kraków), designated by Kohl, 1916:113 and Pulawski, 1965c:567. – Schletterer, 1889a:883 (original description copied); Dalla Torre, 1897:461 (in catalog of world Hymenoptera); Kohl, 1916:111 (specimens in O. Radoszkowski collection, Kraków); Kolosov, 1931:94 (identity of species, incorrectly regarded as senior synonym of *Cerceris rossica*); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Pulawski, 1978:192, 195 (in key to Sphecidae of European part of USSR); Kazenas, 1984a:99 (in revision of *Cerceris* of Kazakhstan and Central Asia); Gorobchishin, 1995:19 and 1996:53 (Ukraine: Kanev Nature Reserve); Nazarova and Shomirsaidov, 1997:24 (Tajikistan: fruit tree orchards in Vakhsh River valley); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Esenbekova and Kazenas, 2000:75 (southeastern Kazakhstan: 10 km northwest of Chemolgan, 30 km east of Chundzha); K. Schmidt, 2000:63 (in revision of Western Palearctic *Cerceris*); Shkuratov, 2000:56 (Russia: Rostov Oblast': Vëshenskaya village area at 49°37'N 41°45'E); Kazenas, 2001b:55 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:112, 115 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:145 (geographic distribution, collecting localities in Kazakhstan); Shkuratov, 2002b:139 (Russia: Rostov Oblast': Rostovskiy Nature Reserve at 46°27'N 42°41'E); Kazenas, 2004d:37 (Kazakhstan: northern Caspian region); Shkuratov, 2004a:74 (Russia: Rostov Oblast', as *fodiens fodiens*), 2004b:165 (Russia: Rostov Oblast': Gosudarstvennyi Muzey-Zapovednik M.A. Sholokhova, as *fodiens fodiens*); Nazarova, 2005:94 (alfalfa fields in southwestern Tajikistan); Gorobchishin, 2006:148 (Ukraine: Cherkasy Oblast': Kaniv Nature Reserve); Baghirov, 2010:679 (Russia: Altai Territories: village Savvushka); Rudoiskatel', 2010:148 (Russia: southern Ural Mountains); Baghirov, 2011b:154 (Russia: Altayskiy Kray: Savvushka); Danilov and Mokrousov, 2017b:253 (in catalog of Philanthinae of Russia); Dollfuss, 2018:1147 (locality records from Kazakhstan, Kyrgyzstan Tajikistan, and Russia in error, should be Turkmenistan); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:9 (Azerbaijan: Nakhichevan Autonomous Republic); Shorenko, 2019:211 (rare in Crimea); Dollfuss, 2021a:941 (Tajikistan: Karatag), 2021c:597 (locality records from Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

Cerceris charusini F. Morawitz, 1891:215, ♀ (as *Charusini*, incorrect original capitalization). Syntypes: ♀, Russia: Khanskaya Stavka area = Urda area north of Astrakhan' (ZIN). Synonymized with *Cerceris fodiens* by Pulawski, 1965c:568. – Dalla Torre, 1897:455 (in catalog of world Hymenoptera); Kohl, 1916:110 (as new synonym of *Cerceris sareptana*); Shestakov, 1917c:48 (Ukraine: Crimea: Evpatorya, Kerch, Simferopol), 1922:81 (Russia: Stavropol' area; description of ♂), 1927a:19 (Stalingrad Oblast', now Volgograd Oblast').

Cerceris sareptana Schletterer, 1887:386, ♀, ♂. Lectotype: ♀, Russia: Sarepta, now Krasnoarmeysk (NHMW), designated by Empey, 1972:67. Synonymized with *Cerceris fodiens* by K. Schmidt, 2000:63. – Schletterer, 1887:501 (in checklist of world *Cerceris*), 1889a:903 (Savigny, 1817, pl. X, Fig. 7 attributed to *sareptana*, clearly an error); Ed. André, 1889:326 (in revision of Sphecidae of Europe and Algeria), 1891:30* (bibliographic references); Dalla Torre, 1897:476 (in catalog of world Hymenoptera); Kolosov, 1937:219 (Ukraine: Kupyansk); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Dollfuss, 1989:8 (lectotype in NHMW).

Cerceris opalipennis Kohl, 1888a:136, ♀. Holotype or syntypes: ♀, Caucasus: Helenendorf, now: Azerbaijan: Khanlar (NHMW). Synonymized with *Cerceris sareptana* by Kohl, 1916:110. – Ed. André, 1889:309 (in revision of Sphecidae of Europe and Algeria); Schletterer, 1889a:892 (redescription); Ed. André, 1891:25* (bibliographic references); Dalla Torre, 1897:469 (in catalog of world Hymenoptera); Shestakov, 1916:230 (Azerbaijan: Helenendorf, now Khanlar); Dollfuss, 1989:8 (type material in NHMW).

ssp. *shur* Shestakov

Cerceris shur Shestakov, 1918b:21, ♀. Holotype: ♀, Russia: Zimnaya Stavka on lower Kuma River,west of Caspian Sea (ZIN). – Shestakov, 1922:80 (Russia: Stavropol' area). – **As *Cerceris fodiens shur***: Pulawski, 1965c:568 (new status); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Pulawski, 1978:195 (in key to Sphecidae of European part of USSR); K. Schmidt, 2000:64 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:58 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:112, 115 (in key to *Cerceris* of Kazakhstan and Central Asia).

306. *forficata* Evans

Cerceris forficata Evans, 1982a:328, ♀. Holotype: ♀, Australia: South Australia: New Kalamurina Station: Warburton River (South Australian Museum, Adelaide). – Cardale, 1985:298 (in catalog of Australian Sphecidae).

307. *formicaria* Eschscholtz

Cerceris formicaria Eschscholtz, 1822:95, sex not stated. Holotype or syntypes: Philippines: Luzon: Manila (Inst. Zool. Bot., Tartu Univ.?). – Dalla Torre, 1897:461 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae).

Cerceris formicaria Eschscholz, 1823:151, sex not stated. Objective synonym of *Cerceris formicaria* Eschscholz, 1822.

308. *formidolosa* de Saussure

Cerceris formidolosa de Saussure, 1890:pl. 10, Fig. 9, ♀. Lectotype: ♀, Madagascar: no specific locality (MHNG), designated by Empey, 1983:171 (Article 74.6). – de Saussure, 1892:547 (Madagascar, redescription); Dalla Torre, 1897:461 (in catalog of world Hymenoptera); Arnold, 1945:41 (Madagascar; redescription); Leclercq, 1962b:211 (Madagascar: Rogez); Empey, 1969a:308 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Madl, 1997:821 (Madagascar: Island of Nosy Boraha), 822 (in checklist of Nosy Boraha Sphecidae); Pulawski, 2003b:799 (in checklist of Malagasy Sphecidae); Madl, 2014a:1000 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records).

Cerceris formidolosa de Saussure, 1891:261, ♀. Objective synonym of *Cerceris formidolosa* de Saussure, 1890.

309. *formosa* Dahlbom

Cerceris formosa Dahlbom, 1845:499, ♂. Lectotype: ♂, South Africa: Kwazulu-Natal: Port Natal, now Durban (NRS), designated by Empey, 1971a:241 (Article 74.6). – F. Smith, 1856:448 (in catalog of Hymenoptera in British Museum); Schletterer, 1887:492 (in checklist of world *Cerceris*); Dalla Torre, 1897:461 (in catalog of world Hymenoptera); Arnold, 1931:135 (insufficiently described species); Empey, 1969a:308 (in checklist of Afrotropical *Cerceris*), 1971a:241 (redescription); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Empey, 1983:171 (bibliographic reference, type examined, as *formosa formosa*); Dollfuss,2020:97 (locality records from Namibia and south Africa).

Cerceris sumptuosa Arnold, 1931:160, ♀, ♂. Lectotype: ♀, South Africa: Pondoland: Port Saint John (BMNH), designated by Empey, 1983:172. Synonymized with *Cerceris formosa* by Empey, 1969a:308. – Arnold, 1931:142, 146 (in key to Afrotropical *Cerceris*); Hancock, Chahwanda, and Mhlanga, 1995:38 (paralectotype in Bulawayo Museum).

Cerceris marleyi Arnold, 1949:272, ♀. Holotype: ♀, South Africa: Kwazulu-Natal: Durban (SAM). Synonymized with *Cerceris formosa* by Empey, 1969a:306.

ssp. *nigrifemur* Arnold

Cerceris sumptuosa nigrifemur Arnold, 1955:751, ♀, ♂. Holotype: sex not stated, South Africa: Cape Province (Eastern or Western?): no specific locality (TMP). – **As *Cerceris formosa nigrifemur***: Empey, 1969a:308 (new subspecific generic assignment, in checklist of Afrotropical *Cerceris*), 1971a:244 (redescription); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Empey, 1983:172 (bibliographic reference, unnecessary designation of lectotype); S. Gess and F. Gess, 2003:131 (South Africa: visiting flowers of *Foenicum vulgare* Mill., Apiaceae).

ssp. *hoeveldensis* Empey

Cerceris formosa hoeveldensis Empey, 1971a:246, ♀, ♂. Holotype: ♀, South Africa: Gauteng: Bronkhorstspruit Dam (originally H. Empey coll., now TMP). – R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Empey, 1983:172 (bibliographic reference, type examined, holotype in TMP).

310. *formosana* Strand

Cerceris formosana Strand, 1913b:159, ♀. Holotype: ♀, Taiwan: Banshoryo District: Sokutsu (DEI). – Strand, 1927:253 (in list of species described by author); Yasumatsu and Okabe, 1936:495 (description of ♂, sexual dimorphism), 499 (redescription); Tsuneki, 1970c:2, 5 (in key to *Cerceris* of Taiwan), 8 (Taiwan, redescription); Haneda, 1972a:6 (Taiwan); Oehlke and Wudowenz, 1974:422 (holotype and two paratypes in DEI); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Tsuneki, 1976d:294 (comparison with *Cerceris hortivaga);* Hua, 2006:278 (in list of Chinese insects, geographic distribution). – **As *Cerceris klapperichi formosana***: Giner Marí, 1943d:172 (new status, redescription); Porter, Stange, and Wang, 1999:14 (in checklist of Sphecidae of Taiwan).

ssp. *klapperichi* Giner Marí

Cerceris klapperichi Giner Marí, 1942b:121, ♀,♂. Syntypes: China: Kuatun, Kwangtseh (Mus. A. Koenig, Bonn). – Lampe, Rohwedder, Ingrisch, and Rach, 2010:120 (type material in Mus. A. Koenig, Bonn). – **As *Cerceris formosana klapperichi***: R. Bohart and Menke, 1976:581 (new status, in checklist of world Sphecidae); Wu and Zhou, 996:180 (in revision in Economic Insect Fauna of China); Q. Li and He, 2004:1111 (in hymenopterous fauna of Zhejiang Province, China); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

Cerceris dubitabilis Giner Marí, 1942b:119, ♂, ♀. Syntypes: China: Shaowu (Mus. A. Koenig, Bonn). Synonymized with *Cerceris klapperichi* by … (synonymy recorded by R. Bohart and Menke, 1976:581). – Hua, 2006:278 (in list of Chinese insects, geographic distribution); Lampe, Rohwedder, Ingrisch, and Rach, 2010:117 (type material in Mus. A. Koenig, Bonn).

311. *forticula* Arnold

Cerceris forticula Arnold, 1955:751, ♀. Holotype: ♀, Zambia: Abercorn, now Mbala (SAM). – Empey, 1969a:308 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Empey, 1983:172 (bibliographic reference, type examined).

312. *fortin* Scullen

Cerceris fortin Scullen, 1972:47, ♀. Holotype: ♀, Mexico: Veracruz: Fortin de las Flores (CAS). – R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); G. Ferguson, 1984c:482 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

313. *fortinata* Cameron

Cerceris fortinata Cameron, 1902d:57, ♀. Lectotype: ♀, India: Assam: Khasia Hills (OXUM), designated by Empey, 1984:77. – R. Turner, 1912e:801 (in revision of *Cerceris* of Indian subcontinent); Tsuneki, 1963c:27 (Thailand; relationship to *Cerceris hortivaga*); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Empey, 1984:77 (in checklist of Oriental *Cerceris* described by Cameron, type examined); Jonathan, Ray, and Kundu, 2000:211 (India: previously recorded from Meghalaya: East Khasi Hills); Dollfuss, 2020b:120 (locality records from Laos and Nepal).

Cerceris aureobarba Cameron, 1905c:222, ♂. Lectotype: ♂, India: Assam: Khasia Hills (OXUM), designated by Empey, 1984:77 (Article 74.6). Synonymized with *Cerceris fortinata* by R. Turner, 1912e:801.

314. *freymuthi* Radoszkowski

Cerceris freymuthi Radoszkowski, 1877:57, ♀ (as *Freymuthi*, incorrect original capitalization). Holotype or syntypes: ♀, Uzbekistan: Zaravschan valley (ZMMU). – Schletterer, 1887:471 (original description copied), 492 (in checklist of world *Cerceris*); Ed. André, 1889:328 (in revision of Sphecidae of Europe and Algeria), 1891:30* (bibliographic references); Dalla Torre, 1897:461 (in catalog of world Hymenoptera); Shestakov, 1918a:132 (redescription**,** as *freimuthi*); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Kazenas, 1984a:168 (in revision of *Cerceris* of Kazakhstan and Central Asia), 2001d:112 (in key to *Cerceris* of Kazakhstan and Central Asia).

315. *frigida* Mocsáry

Cerceris frigida Mocsáry *in* Mocsáry and Szépligeti, 1901:161, ♂. Holotype or syntypes: ♂, Russia: Siberia: Minusinsk (TMB). – R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae).

316. *froggatti* R. Turner

Cerceris froggatti R. Turner, 1912d:668, ♀. Holotype or syntypes: ♀, Australia: Queensland: Rockhampton (BMNH). – Turner, 1912d:665 (in key to *Cerceris* of Australia); Tsuneki, 1968e:2 (in key to *Cerceris* of Australia), 13 (Australia; redescription); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Evans, 1982a:326 (in revision of Eastern Australian *Cerceris*); Evans and Hook, 1982b:159 (nesting solitarily); Cardale, 1985:298 (in catalog of Australian Sphecidae); Evans and Hook, 1986a:280 (nest structure), 1986b:1299 (prey: Chrysomelidae).

317. *frontata* Say

Cerceri frontata Say, 1823:80, ♀. Holotype: ♀, USA: Arkansas: no specific locality (destroyed). Neotype: ♀, USA: New Mexico: 19 mi. east of Lordsburg (USNM), designated by Scullen, 1965b:481 (USNM). – Le Conte, 1859a:167 (original description copied); Cresson, 1862:237 (in catalog of North American Hymenoptera), 1865c:129 (original description copied); Packard, 1866:64 (bibliographic reference); Cresson, 1875:717 (Colorado), 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:492 (in checklist of world *Cerceris*); Dalla Torre, 1897:461 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Cockerell, 1899a:142 (New Mexico); Viereck and Cockerell, 1904b:130 (New Mexico); Banks, 1912:16 (in revision of eastern U.S. *Cerceris*); Mickel,

1918b:447 (in catalog of Nebraskan Sphecidae); Banks, 1947:9 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1008 (in catalog of North American Hymenoptera); Krombein, 1960b:76 (nest and prey, as *frontata frontata*), 1961:300 (prey: large curculionids of genus *Eupagoderes* and *Cleonus pulvereus* Lec.); Evans, 1964b:277 (description of larva, as *frontata frontata*); Scullen, 1965b:480 (in revision of North American *Cerceris*, as *frontata frontata*); Tsuneki, 1965d:3 (prey record summary: Curculionidae); Scullen and Wold, 1970:211 (distribution and summary of prey records, as *frontata frontata*); Scullen, 1972:81 (in revision of Mexican and Central American *Cerceris*, as *frontata frontata*); R. Bohart and Grissell, 1975:47 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Krombein, 1979b:1732 (in catalog of North American Hymenoptera, nesting sites, list of prey); G. Ferguson, 1984c:482 (in annotated list of North American and Caribbean *Cerceris*); Radović, 1985:66 (sting apparatus analyzed); Menke, 1986c:35 (Utah: Emery County: San Rafael Desert); Steiner, 1986:113 (references to publications on nesting habits); Spofford, Kurczewski, and Downes, 1989:257 (reference to publication on nest parasite *Metopia* sp., a miltogrammine fly); Wcislo, 1998:181 (proportions of antennae in relations to parasitic/non-parasitic behavior); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

Cerceris occidentalis de Saussure, 1867:100, ♀. Lectotype: ♀, USA: Texas: no specific locality (MHNG), designated by Scullen, 1961:47. Synonymized with *Cerceris frontata* by Scullen, 1961:47. – Schletterer, 1887:498 (in checklist of world *Cerceris*); Dalla Torre, 1897:469 (in catalog of world Hymenoptera); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1009 (in catalog of North American Hymenoptera).

Cerceris raui Rohwer, 1920b:230, ♀, ♂. Holotype: ♀, Missouri: Saint Louis (USNM). Synonymized with *Cerceris frontata* by R. Bohart and Grissell, 1975:47, and by R. Bohart *in* R. Bohart and Menke, 1976:581. – Rau, 1922:21 (Missouri: Wesco), 1928b:325 (nesting behavior at Jerydale, ca 30 mi. south of Saint Louis, Missouri; prey: curculionids *Lixus concavus* Say and *Thecesternus humeralis* Say); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010 (in catalog of North American Hymenoptera); Piek and Spanjer, 1986:182 (in list of Sphecidae with known prey). – **As *Cerceris frontata raui***: Scullen, 1960:80 (new status), 1965b:482 (in revision of North American *Cerceris*); Scullen and Wold, 1970:211 (distribution and summary of prey records).

318. *fuliginosa* F. Smith

Cerceris fuliginosa F. Smith, 1856:454, ♀. Holotype or syntypes: ♀, Indonesia: Celebes, now Sulawesi: no specific locality (BMNH). – F. Smith, 1858b:19 (Indonesia: Sulawesi), 1863b:136 (known from Sulawesi), 1871a:370 (in catalog of Oriental Aculeata); Schletterer, 1887:492 (in checklist of world *Cerceris*); Dalla Torre, 1897:461 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae).

319. *fulva* Mocsáry

Cerceris fulva Mocsáry, 1883:47, ♀. Holotype or syntypes: ♀, southern Russia or Caucasus (TMB). – Dalla Torre, 1897:455 (as synonym of *Cerceris capito*, in catalog of world Hymenoptera); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae).

320. *fulvipes* Eversmann

Cerceris fulvipes Eversmann, 1849:407, ♀. Holotype: ♀, "in campis Kirgisorum", now Kazakhstan: no specific locality, but Irkutsk according to Kohl, 1916:113 (Kraków). – Radoszkowski, 1870:104 (addition to Kirchner's catalog, 1867), 1887a:44 (China: Tsinghai: Tsaidam region: no specific locality); Schletterer, 1887:471 (original description copied), 493 (in checklist of world *Cerceris*); Ed. André, 1889:307 (in revision of Sphecidae of Europe and Algeria), 24* (bibliographic references); F. Morawitz, 1891a:217 (unknown to author); Dalla Torre, 1897:461 (in catalog of world Hymenoptera); Kohl, 1916:113 (redescription); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Kazenas, 2001b:56 (in checklist

of Sphecidae of Kazakhstan and Central Asia), 2002a:146 (geographic distribution, collecting localities in Kazakhstan); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia), 2009b:148 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia); Akulov and Proshchalykin, 2013:118 (Russia: Siberia: Krasnoyarsk Kray: near Krasnoyarsk); Danilov and Mokrousov, 2017b:253 (in catalog of Philanthinae of Russia).

Cerceris shaman Shestakov, 1918b:9, ♀, ♂. Syntypes: Russia: Siberia: Chita, and Malta near Irkutsk (ZIN). Synonymized with *Cerceris fulvipes* by Kolossov, 1932:117. – Tsuneki, 1961c:12 (in key to *Cerceris* of northeastern Asia); Kazenas, 1979d:85 (in key to *Cerceris* of Russian Far East); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:474 (in key to Sphecidae of Russian Far East).

321. *fulviventris* Guérin-Méneville

Cerceris fulviventris Guérin-Méneville, 1844:444, sex not stated. Holotype or syntypes: Senegal: shores of Casamance River (MSNG). – Guérin-Méneville *in* Lefebvre, 1849:358 (Ethiopia); F. Smith, 1856:448 (in catalog of Hymenoptera in British Museum); Schletterer, 1887:493 (in checklist of world *Cerceris*); Dalla Torre, 1897:461 (in catalog of world Hymenoptera); Bingham, 1902:214 (South Africa); Guiglia, 1948b:179 (type material in Genova), 187 (redescription); Arnold, 1951:105 (Senegal: Kaolack, Kaffrine); Empey, 1969a:308 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Empey, 1983:172 (bibliographic reference, type not examined); Dollfuss, 2020a:98 (Mali: 5 km south of San; Namibia: Rundu); Madl, 2023:256 (in catalog of Crabronidae of Eritrea).

Cerceris bicolor F. Smith, 1856:447, ♀. Lectotype: ♀, Gambia: no specific locality (BMNH), designated by Empey, 1983:172 (Article 74.6). Synonymized with *Cerceris fulviventris* by Arnold, 1951:107. – Schletterer, 1887:486 (in checklist of world *Cerceris*); Dalla Torre, 1897:453 (in catalog of world Hymenoptera); Magretti, 1906:20 (Eritrea); R. Turner, 1918c:467 (synonymy); Arnold, 1931:137 (in key to Afrotropical *Cerceris*), 183 (in revision of *Cerceris* of southern Africa); Guiglia, 1943c:75 (Ethiopia: Gamo Gofa: Sagan–Omo region), 1950:235 (Ethiopia: Gamo Gofa: Gondaraba at 4°58'N 36°49'E).

Cerceris fossor F. Smith, 1856:447, ♂. Lectotype: ♂, Gambia: no specific locality (BMNH), designated by Empey, 1983:172 (Article 74.6). Synonymized with *Cerceris bicolor* by R. Turner, 1918c:467. – Schletterer, 1887:492 (in checklist of world *Cerceris*); Dalla Torre, 1897:461 (in catalog of world Hymenoptera).

Cerceris flavifrons F. Smith, 1856:448, ♂. Lectotype: ♂, West Africa: no specific locality (BMNH), designated by Empey, 1983:172 (Article 74.6). Synonymized with *Cerceris fulviventris* by Empey, 1983:172. – Schletterer, 1887:491 (in checklist of world *Cerceris*); Dalla Torre, 1897:460 (in catalog of world Hymenoptera); Arnold, 1931:193 (original description copied, additional notes); Empey, 1969a:307 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae).

Cerceris purpurea Schletterer, 1887:453, ♂. Lectotype: ♂, Senegal: Dagana (NHMW), designated by Empey, 1969a:319 (Article 74.6). Synonymized with *Cerceris fulviventris* by Empey, 1983:172. – Schletterer, 1887:499 (in checklist of world *Cerceris*); Dalla Torre, 1897:470 (in catalog of world Hymenoptera); Arnold, 1930:12 (in checklist of Afrotropical Sphecidae); Schouteden, 1930:93 (Zaire); Arnold, 1931:195 (original description translated into English); Leclercq, 1962a:398 (comparison with *Cerceris iniqua*); Empey, 1969a:319 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Dollfuss, 1989:8 (holotype in NHMW).

322. *fumipennis* Say

Cerceris fumipennis Say, 1837:381, ♂. Holotype or syntypes: ♂, USA: Indiana: no specific locality (lost). Neotype: ♂, USA: Illinois: Boulder 3 mi. west of Kaskaskia River (USNM), designated by Scullen, 1965b:412. – F. Smith, 1856:465 (in catalog of Hymenoptera in British Museum); Le Conte, 1859b:762 (original description copied); Cresson, 1862:237 (in catalog of North American Hymenoptera), 1865c:113 (in revision of North American Philanthinae, description of ♀); Packard, 1866:59 (in key to North American *Cerceris*), 60 (bibliographic reference, geographic distribution); Cresson, 1873:227 (Texas), 1887:282 (in catalog of

North American Hymenoptera); Schletterer, 1887:493 (in checklist of world *Cerceris*); Marlatt, 1891:147 (individual died in its sleep while hanging by its jaws to stem of *Solidago*); C. Robertson, 1892:105 (visiting flowers of *Pycnanthemum lanceolatum* Ph., Lamiaceae), 1896:73 (visiting flowers of *Polygonum hydropiperoides* Michx., Polygonaceae); Dalla Torre, 1897:462 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Bridwell, 1899:209 (Kansas: Baldwin); G. Peckham and E. Peckham, 1900:90 (nest and prey: *Chrysobotris quadriimpressa* Gory and Laporte, a buprestid); J. Smith, 1900:519 (in list of insects of New Jersey); Viereck, 1903d:120 (Maryland: College Park); Hartman, 1905:66 (homing experiment); G. Peckham and E. Peckham, 1905:142 (nest structure, preying on beetles); Hart, 1907:255 (Illinois); H. Smith, 1908b:366 (in revision of Nebraskan Sphecidae); J. Smith, 1910:678 (in new list of insects of New Jersey); Banks, 1912:17 (in revision of eastern U.S. *Cerceris*); Grossbeck, 1912a:135 (prey); Rohwer, 1916b: 695, 696 (in catalog of Hymenoptera of Connecticut); Mickel, 1918b:447 (in catalog of Nebraskan Sphecidae); Rau and Rau, 1918:126 (nesting habits); Britton, 1920:342 (in checklist of insects of Connecticut); Rau, 1922:30 (Missouri: Wickes, two females found in one nest, nest structure); Rohwer *in* Viereck, 1925:695 (in key to Sphecidae of Connecticut, not yet found in the State); J.Ch. Bradley, 1928:1017 (in catalog of New York Sphecidae); Cartwright, 1931:269 (South Carolina: Jocassee, list of prey species); Brimley, 1938:447 (North Carolina: statewide); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1008 (in catalog of North American Hymenoptera); Krombein, 1952a:95 (Virginia: Westmoreland State Park); Evans, 1957b:84 (description of larva), 1959b:156 (additional description of larva); Krombein, 1958c:110 (nest, prey), 1963f:277 (Maryland: Plummers Island near Washington, D.C.); Scullen, 1965b:410 (in revision of North American *Cerceris*); Tsuneki, 1965d:3 (prey record summary: Buprestidae, Curculionidae); Scullen and Wold, 1970:211 (distribution and summary of prey records); Evans, 1971:501 (nesting habits); Scullen, 1972:41 (likely to occur in Mexico); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Young, 1976:206 (prey: *Buprestis maculativentris* Say, Buprestidae); Evans and Rubink, 1978:62 (nesting habits); Krombein, 1979b:1732 (in catalog of North American Hymenoptera, nesting sites, list of parasites and prey); G. Ferguson, 1984c:482 (in annotated list of North American and Caribbean *Cerceris*); Kurczewski and Miller, 1984:150 (nesting habits); Radović, 1985:66 (sting apparatus analyzed); Piek and Spanjer, 1986:182 (in list of Sphecidae with known prey); Steiner, 1986:113 (references to publications on nesting habits); Spofford, Kurczewski, and Downes, 1989:257, 258 (nest parasite: *Phrosinella aurifacies* Downes, a miltogrammine fly; references to publications on nest parasites *Phrosinella fumosa* Allen, *Senotainia rubriventris* Macquart, *Senotainia* sp. aff. *rubriventris* Macquart, and *Senotainia trilineata* (Wulp), miltogrammine flies); Kurczewski and Acciavatti, 1990:61 (New York: Cayuga County); Spofford and Kurczewski, 1990:747, 749, 751 (nest parasites: *Phrosinella aurifacies* Downes, *Senotainia trilineata* (Van der Wulp), and unknown species of Miltogrammini, Sarcophagidae); Hook and Evans, 1991:257 (prey and parasites in Texas); Mueller et al., 1992:42 (large females displaced smaller ones at Archbold Station, Florida); Spofford and Kurczewski, 1992:1000 (species of miltogrammine parasites listed); Ahlstrom, 1995:114 (in checklist of insects of North Carolina); Kurczewski, 1998d:250 (pine barrens in upstate New York); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Buck, 2004:28 (Canada: in checklist of Crabronidae of Ontario), 31 (distribution within Ontario), 72 (first record from Ontario: list of localities); Marshall, Paiero, and Buck, 2005:416 (list of buprestid prey in Ontario, Canada), 419 (list of species of *Agrilus*, Buprestidae, recorded as prey); Matthews and Matthews, 2005:63 (Nebraska: Keith County; nesting habits); Buck, Paiero, and Marshall, 2006:45, 47 (in key to eastern Canadian *Cerceris*); Careless, Marshall, and Gill, 2006:1 (nesting habits, a control agent for *Agrilus planipennis* Fairmaire, Buprestidae); Giles and Ascher, 2006:231 (New York: Black Rock Forest Preserve); Careless, Marshall, Gill, Appleton, Favrin, and Kimoto, 2009:1 (nesting habits, a control agent for *Agrilus planipennis* Fairmaire); Careless and Marshall, 2010:25 (use of *Cerceris fumipennis* as control agent against *Agrilus planipennis*, a serious pest of *Fraxinus* trees in North America); Rutledge, Hellman, Teerling, and Fierke, 2011:194 (preying on

members of Cerambycidae, Chrysomelidae, and Scarabaeidae, in addition to Buprestidae); Nalepa, 2012:43 (wing wear is a poor estimate of age); Nalepa, Teerling, Rutledge, Swink, and Arellano, 2012:219 (nesting in baseball and softball fields); Nalepa, Swink, Merten, and Moan, 2013:299 (hunting distance is less than 200 m); Rutledge, Fierke, Careless, and Worthley, 2013:75 (Connecticut: discovery of *Agrilus planipennis* Fairmaire, a buprestid forest pest, in prey of *Cerceris fumipennis*); Swink, Paiero, and Nalepa, 2013:111 (list of buprestid prey); Careless, Marshall, and Gill, 2014:90 (a control agent for *Agrilus planipennis* Fairmaire); Hellman and Fierke, 2014:1 (frequency of buprested prey species); Kimoto and Buck, 2014:149 (Canada: British Columbia: Merritt, first found in Lytton in 1935); Rutledge, Swink, and Mayo, 2014:93 (wasps use contact with cuticular hydrocarbons to distinguish buprestids from other beetles); Nalepa and Swink, 2015:49 (prey carriage, delayed stinging); Nalepa, Swink, Basham, and Merten, 2015:1 (females collect more species of Buprestidae than purple prism traps); Rutledge, Fierke, Careless, and Terling, 2015:9971 (average soil degree days needed for emergence was 696, average air degree days needed for emergence was 463); Swink, Nalepa, and Basham, 2015:274 (buprestid *Agrilus subrobustus* Saunders first detected in North Carolina as prey of *Cerceris fumipennis*); Westcott and Thomas, 2015:8 (list of 35 buprestid species used as prey in Florida); Ratzlaff, 2016:28 (Canada: British Columbia: from Scullen, 1965, Buck, 2004, and Kimoto and Buck, 2014); Nalepa and Swink, 2018:1 (correlation between female sizes and prey sizes); Bohne, Rutledge, Hanson, Carrier, Teerling, Weimer, Hoebecke, Lilja, DiGirolamo, and Dodds, 2019:369 (USA: New England: utilizing prey captures by *Cerceris fumipennis* for a survey of *Agrilus planipennis*, Buprestidae); Hallinen, Wittman, and Aukema, 2020:2 (in Minnesota, *Cerceris fumipennis* is useful in detecting buprestids by examination of its prey; *Agrilus* was most commonly collected); Dollfuss, 2021b:571 (Illinois: Urbana Arboretum); Rutlege, 2023:1 (foraging range is up to 1.0-1.5 km from nesting site); Rutledge and Clark, 2023:unpaginated (USA: Connecticut: utilizing prey captures by *Cerceris fumipennis* for a survey of *Agrilus planipennis* Fairmaire, Buprestidae); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Ontario, first records from Alberta, Manitoba, New Brunswick, Quebec, and Saskatchewan: no specific locality).

Cerceris cincta Dahlbom, 1844:204, ♂. Holotype: ♂, North America: no specific locality (Lund). Synonymized with *Cerceris fumipennis* by Cresson, 1865c:113. – Dahlbom, 1845:499 (in key to world *Cerceris*); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); Pagliano, 2014:110 (specimens in M. Spinola collection, Torino, are *Cerceris fumipennis*, and *Cerceris* sp.).

Cerceris unicincta Taschenberg, 1875:397, ♀. Holotype: ♀, USA: Tennessee: no specific locality (Halle). Synonymized with *Cerceris fumipennis* by Dalla Torre, 1897:462. – Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:505 (in checklist of world *Cerceris*); Ashmead, 1899d:295 (in checklist of North American Sphecidae).

323. *fumosipennis* Strand

Cerceris fumosipennis Strand, 1910a:139, ♂. Holotype: ♂, Paraguay: Asunción: Villa Morra (ZMHU). – Strand, 1927:253 (in list of species described by author); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Dollfuss, 1989:8 (type material in NHMW, record incorrect because the species was described from single male); Amarante, 2002:59 (in catalog of Neotropical Crabronidae).

324. *furcata* F. Morawitz

Cerceris furcata F. Morawitz, 1890:600, ♂. Holotype or syntypes: ♂, Transcaspia: no specific locality (ZIN). – Dalla Torre, 1897:462 (in catalog of world Hymenoptera); Shestakov, 1918a:134 (Turkmenistan: Askhabad); Myartseva, 1963b:61 (Turkmenistan: lower Murgab River), 1965:93 (Turkmenistan: Akibay, Ashkabad), 1971b:179 (occurs only in deserts of Turkmenistan); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Kazenas, 1978b:70 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:195

(in revision of *Cerceris* of Kazakhstan and Central Asia), 1992c:29 (Turkmenistan: Repetek Nature Reserve), 2001b:56 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:120, 121 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:146 (geographic distribution, collecting localities in Kazakhstan), 2008a:106 (southeastern Kazakhstan: 65 km west of Bakanas); Dollfuss, 2021c:597 (Kazakhstan: Matai Desert at 46°N 78.6°E; Turkmenistan: Sandykachi); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

Cerceris seraxensis Radoszkowski, 1893a:67, ♀, ♂. Syntypes: Turkmenistan: Serax (Kraków). Synonymized with *Cerceris furcata* by Kazenas, 1984a:195. – Dalla Torre, 1897:476 (in catalog of world Hymenoptera); Kohl, 1916:123 (specimens in O. Radoszkowski collection, Kraków); Shestakov, 1918a:151 (bibliographic reference); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Kazenas, 1978b:69 (in key to Sphecidae of Kazakhstan and Central Asia).

325. *furcifera* Schletterer,

Cerceris furcifera Schletterer, 1887:459, ♀. Holotype or syntypes: ♀, Paraguay: no specific locality (NHMW). – Schletterer, 1887:493 (in checklist of world *Cerceris*); Dalla Torre, 1897:462 (in catalog of world Hymenoptera); Schrottky, 1903b:124 (in checklist of Hymenoptera of Argentina, Paraguay, and Uruguay), 1913a:230 (Paraguay); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Dollfuss, 1989:8 (type material in NHMW); Fritz, 1989:261 (in key to *Cerceris pollens* species group), 262 (bibliographic reference); Amarante, 2002:59 (in catalog of Neotropical Crabronidae).

326. *gaetula* de Beaumont

Cerceris gaetula de Beaumont, 1951f:318, ♀, ♂. Holotype: ♀, Algeria: Biskra (Lausanne). – de Beaumont, 1953g:121 (Morocco: Tinerhir); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); K. Schmidt, 2000:156 (in revision of Western Palearctic *Cerceris*); Sadeghi, Fallahzadeh, Ostovan, Ljubomirov, and Hesami, 2019b:16 (Iran: known from Fars Province); Ben Khedher, Yildirime, and Braham, 2020c:10 (previously recorded from Tunisia, but without specific locality); Malash, Edmardash, and Gadallah, 2022:21 (in catalog of Middle Eastern and North African Philanthinae).

ssp. *aegyptiaca* K. Schmidt

Cerceris gaetula aegyptiaca K. Schmidt, 2000:158, ♀, ♂. Holotype: ♀, Egypt: Amrye near Alexandria (Torino). – Sadeghi, Fallahzadeh, Ostovan, Ljubomirov, and Hesami, 2016:431 (Iran Fars Province), 2019b:17 (Iran: known from Fars Province); Ben Khedher, Yildirime, and Braham, 2020c:10 (Tunisia: previous record reported, new record: Mahdia: Sidi Alouane: Zelba); Malash, Edmardash, and Gadallah, 2022:21 (in catalog of Middle Eastern and North African Philanthinae).

327. *galathea* de Beaumont

Cerceris galathea de Beaumont *in* de Beaumont and Bytinski-Salz, 1959:109, ♀, ♂. Holotype: ♀, Israel: Jerusalem (RMNH). – R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); K. Schmidt, 2000:159 (in revision of Western Palearctic *Cerceris*); Ljubomirov and Yildirim, 2008:142 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Dollfuss, 2018:1147 (locality records from Jordan), 2021c:597 (locality records from Jordan, Syria, and Turkey); Kaplan and Yildirim, 2021:96 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:21 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

328. *gallienii* Arnold

Cerceris gallienii Arnold, 1945:32, ♀, ♂ (as *Gallienii*, incorrect original capitalization). Lectotype: ♀, Madagascar: Fort Dauphin, now Tolagnaro (MNHN), designated by Empey, 1983:172. – Leclercq, 1962b:211 (Madagascar: Rogez); Empey, 1969a:308 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke,

1976:581 (in checklist of world Sphecidae, as *gallieni*); Empey, 1983:172 (bibliographic reference, type examined, as *gallienii gallienii*); Hancock, Chahwanda, and Mhlanga, 1995:37 (syntypes in Bulawayo Museum); Pulawski, 2003b:799 (in checklist of Malagasy Sphecidae); Madl, 2014a:1000 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records, as *gallienii gallienii*).

Cerceris augagneuri Arnold, 1945:34, ♀, ♂ (as *Augagneuri*, incorrect original capitalization). Lectotype: Madagascar: Antsirabé (MNHN), designated by Empey, 1983:165. Synonymized with *Cerceris gallienii* by Leclercq, 1962b:211. – Empey, 1969a:302 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Empey, 1983:165 (bibliograpahic reference, type material examined); Madl, 2014a:999 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records).

ssp. *bekiliensis* Arnold

Cerceris Gallienii var. *bekiliensis* Arnold, 1945:34, ♀, ♂. Syntypes: Madagascar: Bekily (MNHN), designated by Empey, 1983:173. – **As *Cerceris gallieni bekilensis***: Empey, 1969a:308 (new status, in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Empey, 1983:172 (bibliographic reference, type examined); Madl, 2014a:1001 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records).

329. *gandarai* Rohwer

Cerceris gandarai Rohwer, 1912:470, ♂. Holotype: ♂, Mexico: Distrito Federal: no specific locality (USNM). – nec Scullen (= *Cerceris rohweri*), 1968a:156 (as *ganderi*), 1972:82 (as *gandari*); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Krombein, 1979b:1734 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:482 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Amarante, 2005:12 (erroneous correction to his 2002 catalog).

Cerceris micheneri Scullen, 1972:86, ♀, ♂. Holotype: ♀, Mexico: Chihuahua: Matachic (AMNH). Synonymized with *Cerceris gandarai* by G. Ferguson, 1983c:238. – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

330. *garleppi* Schrottky

Cerceris garleppi Schrottky, 1911:29, ♂. Holotype or syntypes: ♂, Peru: Cuzco (depository?). – R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:14 (in checklist of Crabronidae of Peru).

331. *gaudebunda* Holmberg

Cerceris gaudebunda Holmberg, 1903:481, ♀, ♂. Syntypes: Argentina: Buenos Aires: Buenos Aires, Las Conchas, Flores, Chivilcoy, Mercedes (originally MACN, now lost: Fritz, 1968b:164). – Jörgensen, 1912:287 (Argentina: Mendoza Province); Schrottky, 1913a:230 (Argentina: Buenos Aires); Brèthes, 1920a:408 (Argentina); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Fritz and Mariluis, 1979:25 (in revision of *Cerceris gaudebunda* species group, as *gaudebunda gaudebunda*); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Dollfuss, 2021b:572 (Argentina: many localites).

ssp. roraima Fritz and Mariluis

Cerceris gaudebunda roraima Fritz and Mariluis, 1979:27, ♀. Holotype: ♀, Brazil: Roraiama Territory: Brazil (UCD). – Amarante, 2002:59 (in catalog of Neotropical Crabronidae).

332. *gaullei* Brèthes

Cerceris gaullei Brèthes, 1920a:408, ♂ (as *Gaullei*, incorrect original capitalization). Syntypes: ♂, Argentina: Gran Chaco: no specific locality (MNHN). – R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Genise, 1990:26 (depository of type material unknown); Amarante, 2002:59 (in catalog of Neotropical Crabronidae).

333. *gayi* Spinola

Cerceris gayi Spinola, 1851a:346,♀, ♂ (as *Gayi*, incorrect original capitalization). Syntypes: Chile: Coquimbo, Santa Rosa (Torino). – F. Smith, 1856:465 (in catalog of Hymenoptera in British Museum); de Saussure, 1867:96 (Chile, redescription); Schletterer, 1887:493 (in checklist of world *Cerceris*); Gribodo, 1895:210 (Chile, redescription); E. Reed, 1894:643 (in revision of Chilean Aculeata); Dalla Torre, 1897:462 (in catalog of world Hymenoptera); Herbst, 1921:107 (varies markedly in color); Ruiz Pereira, 1924:102 (Chile: Cerro San Cristóbal); Janvier, 1928:155 (nesting habits); C. Reed, 1928:316 (similarities in color with *Pison chilensis* (Spinola), and the Diptera *Rhopalia paulseni* Phil. and *Microdetus dentitarsus*); Gazulla and Ruiz Pereira, 1929:299 (Chile: Hacienda de "Las Mercedes"); Ruíz Pereira and Stuardo, 1936:321 (Chile: Las Termas de Chillan); Gutiérrez, 1940:34 (Chile: Río Blanco); Tsuneki, 1965d:4 (prey record summary: Chrysomelidae, Coccinellidae); Fritz and Toro, 1969:161 (in revision of Chilean and Patagonian *Cerceris*); Pérez D'Angello, Rojas A., and Gaultier A., 1971:107 (wing venation and cells); Sielfeld, 1971:255 (in key to Chilean *Cerceris*); Zapata, 1974:37 (Chile: Lampa near Santiago); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); Sielfeld, 1980b:75 (in checklist of Chilean Sphecidae); Piek and Spanjer, 1986:182 (in list of Sphecidae with known prey); Steiner, 1986:113 (references to publications on nesting habits); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Chiappa, 2012:9 (Chile: Región de Valparaíso: no specific locality); Pagliano, 2014:110 (specimens in M. Spinola collection, Torino, including one designated as neotype by Scullen, 1959); Dollfuss, 2021b:572 (Argentina and Chile: many localities).

334. *genadentula* Reyes

Cerceris genadentula Reyes, 1986:114, ♀. Holotype: ♀, Philippines: Mindanao: Mount Pomalihi 21 km west of Gingoog City (Bishop Mus.). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:47 (in key to *Cerceris* of Philippines), 73 (bibliographic reference).

335. *geneana* A. Costa

Cerceris geneana A. Costa, 1867c:95, ♀ (as *Geneana*, incorrect original capitalization). Holotype or syntypes: ♀, Italy: Sardegna: no specific locality (lost). – A. Costa, 1871c:97 (redescription of ♀), pl. III fig. 7 (color illustration); Schletterer, 1887:471 (original description copied), 493 (in checklist of world *Cerceris*); Ed. André, 1889:322 (in revision of Sphecidae of Europe and Algeria) Ed. André, 1891:30* (bibliographic references); Dalla Torre, 1897:462 (in catalog of world Hymenoptera); de Beaumont, 1950c:327 (unrecognizable species); Grandi, 1954:237 (Italy: Sicilia); Balthasar, 1972:404 (in Sphecid Fauna of Czechoslovakia: may be expected in the country); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Pagliano, 1988:171 (unrecognizable species), 1990:97 (in catalog of Italian Sphecidae, as nomen dubium); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:343 (as nomen dubium); Vicidomini, 2000b:23 (Italy: previously recorded from Campania); Pagliano and Negrisolo, 2005:489 (in Sphecid Fauna of Italy, as nomen dubium).

Cerceris geneana A. Costa, 1869b:111 (as *Geneana*, incorrect original capitalization). Objective synonym of *Cerceris geneana* A. Costa, 1867c:95

336. *gibbosa* Sickmann

Cerceris gibbosa Sickmann, 1894:202, ♀, ♂. Syntypes: China: Hopei Province: Tientsin (Münster). – Dalla Torre, 1897:462 (in catalog of world Hymenoptera); Shestakov, 1923:102, 105 (in key to subgenus

Apiraptrix), 114 (bibliographic reference, distribution); Tsuneki, 1961c:8, 15 (in key to *Cerceris* of northeastern Asia), 53 (bibliographic reference); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Kazenas, 1978b:50, 54 (in key to Sphecidae of Kazakhstan and Central Asia), 1979d:83, 86 (in key to *Cerceris* of Russian Far East); Dollfuss, 1989:8 (type material in NHMW); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:470, 476 (in key to Sphecidae of Russian Far East); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

337. *gilberti* R. Turner

Cerceris gilberti R. Turner, 1916e:277, ♀. Holotype: ♀, Australia: Queensland: Mackay (BMNH). – Tsuneki, 1968e:3 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Evans, 1982a:347 (in revision of Eastern Australian *Cerceris*); Cardale, 1985:299 (in catalog of Australian Sphecidae); Evans and Hook, 1986a:282 (nest structure); Naumann, 1993:187 (Australia: Queensland: Heathlands area in Cape York).

338. *gilesi* R. Turner

Cerceris gilesi R. Turner, 1910a:346, ♀, ♂. Syntypes: Western Australia: Claremont (BMNH). – R. Turner, 1910b:422 (in key to *Cerceris* of Australia), 1912d:665 (in key to *Cerceris* of Australia), 671 (in revision of *Cerceris* of Australia); Tsuneki, 1968e:5 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Cardale, 1985:299 (in catalog of Australian Sphecidae).

339. *gineri* de Beaumont

Cerceris gineri de Beaumont, 1951f:393, ♀, ♂. Holotype: ♀, Morocco: Plaine de Ben Guérir (Lausanne). – de Beaumont, 1953g:124 (Morocco: Ben Guérir); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); K. Schmidt, 2000:123 (in revision of Western Palearctic *Cerceris*); Malash, Edmardash, and Gadallah, 2022:21 (in catalog of Middle Eastern and North African Philanthinae).

340. ? *globulosa* (Fourcroy)

Vespa globulosa Fourcroy, 1785:434, sex not stated. Holotype or syntypes: France Paris area (destroyed). – **As *Cerceris globulosa***: R. Bohart and Menke, 1976:581 (new generic assignment, in checklist of world Sphecidae).

341. *gloria* Reyes

Cerceris gloria Reyes, 1986:100, ♀, ♂. Holotype: ♀, Philippines: Mindanao: Dinawihan 26 km east of Gingoog City (Bishop Mus.). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:46, 51 (in key to *Cerceris* of Philippines), 67 (Philippines).

342. *gnarina* Banks

Cerceris gnarina Banks, 1913a:237, ♀. Holotype: ♀, USA: Oklahoma: Vinita (AMNH); designation of lectotype by G. Ferguson, 1983b:225, was unnecessary. – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1008 (in catalog of North American Hymenoptera); Evans, 1983a:45 (nesting habits); G. Ferguson, 1984c:483 (as full species, in annotated list of North American and Caribbean *Cerceris*). – **As *Cerceris clypeata gnarina***: Scullen, 1965b:473 (new status, in revision of North American *Cerceris*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Krombein, 1979b:1731 (in catalog of North American Hymenoptera); Matthews and Matthews, 2005:62 (Nebraska: Keith County; nesting habits, prey: *Baris striata* Say and *Baris subsimilis* Casey, Curculionidae).

Cerceris posticata Banks, 1916:64, ♂. Holotype: ♂, USA: New Mexico: Jemez Mountains (MCZ). Synonymized with *Cerceris gnarina* by G. Ferguson, 1984c:483. – Banks, 1947:20 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010 (in catalog of North American Hymenoptera); Scullen, 1965b:500 (in revision of North American *Cerceris*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Krombein, 1979b:1736 (in catalog of North American Hymenoptera); G. Ferguson, 1983b:231 (study of holotype).

343. *goddardi* Cockerell

Cerceris goddardi Cockerell, 1930:33, ♀, ♂. Holotype: ♀, Australia: Queensland: Island of Dunk (Queensland Museum, Brisbane). – Tsuneki, 1968e:6 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Evans, 1982a:351 (in revision of Eastern Australian *Cerceris*); Evans and Hook, 1982b:160 (communal nesting); Cardale, 1985:299 (in catalog of Australian Sphecidae); Evans and Hook, 1986a:285 (nesting habits), 1986b:1299 (prey: Chrysomelidae and Curculionidae); Evans, 1988:8 (nesting habits); Naumann, 1993:187 (Australia: Queensland: Heathlands area in Cape York).

As *Cerceris venusta* F. Smith: Krombein, 1969:25 (Queensland: Island of Stradbroke; prey: scarab *Deuterocaulobius maechidioides* Macleay), corrected to *Cerceris goddardi* by Evans and Hook, 1986b:1300.

Cerceris insulicola Tsuneki, 1968e:27, ♂. Holotype: ♂, Australia: Queensland: Island of Prince of Wales (originally H. Scullen coll., now USNM). Synonymized with *Cerceris venusta oceanica* by R. Bohart and Menke, 1976:589, and with *Cerceris goddardi* by Evans, 1982a:351. – Nuhn and Menke, 1994:25 (holotype transferred to USNM).

344. *gomphocarpi* Brauns

Cerceris gomphocarpi Brauns, 1911a:239 (visiting flowers of *Gomphocarpus ramosus*). Nomen nudum.

Cerceris gomphocarpi Brauns, 1926:306, ♀, ♂. Lectotype: ♀, South Africa: Eastern Cape Province: Willowmore (TMP), designated by Empey, 1983:173. – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:142, 147 (in key to Afrotropical *Cerceris*), 1942:plate I fig. 14 (male genitalia); Empey, 1969a:308 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:306 (in checklist of world Sphecidae); Empey, 1983:173 (bibliographic reference, type examined); S. Gess and F. Gess, 2003:132 (South Africa: visiting flowers of *Asclepias buchenaviana* Schinz, Apocynaceae); Dollfuss, 2020a:98 (Kenya: northwest of Garsen).

345. *gracilis* Kazenas

Cerceris gracilis Kazenas, 1984a:60, ♀, ♂. Holotype: ♀, eastern Kazakhstan: 10 km north of Bayan-Aul (ZIN). – Kazenas, 2001b:56 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:106, 107 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:146 (geographic distribution, collecting localities in Kazakhstan); Dollfuss, 2021c:597 (Mongolia: several localities).

346. *grana* Shestakov

Cerceris grana Shestakov, 1918b:20, ♀. Holotype or syntypes: ♀, China: eastern Nan-Shan: village Van-tsi-tsan (ZIN). – Gussakovskij, 1934a:14 (China: Szechuan); Yasumatsu, 1940:31 (China: Nei Mongol: Kunshan-tagh Desert); nec Yasumatsu, 1942c:108 (= *Cerceris jakowleffi*); Tsuneki, 1961c:11 (in key to *Cerceris* of northeastern Asia); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Kazenas, 1979d:84 (in key to *Cerceris* of Russian Far East); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:472 (in key to Sphecidae of Russian Far East); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

347. *grandis* Banks

Cerceris grandis Banks, 1913b:423, ♀. Holotype: ♀, Arizona: Fort Yuma (AMNH). – Banks, 1947:10 (in revision of eastern U.S. Cerceris); Scullen in Muesebeck et al., 1951:1008 (in catalog of North American Hymenoptera); Scullen, 1965b:414 (in revision of North American *Cerceris*, as *grandis grandis*), 1972:41 (in revision of Mexican and Central American species, as *grandis grandis*); R. Bohart and Grissell, 1975:48 (in revision of North American Philanthinae); Alcock, 1976:343 (potential predator of the buprestid *Hippomelas planicosta*); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Krombein, 1979b:1734 (in catalog of North American Hymenoptera); G. Ferguson, 1983b:226 (study of holotype), 1984c:483 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668

(in checklist of Mexican Sphecidae); J. Davidson, 2003:12 (preying on buprestid *Gyascutus planicosta* (LeConte)).

348. *greeni* R. Turner

Cerceris greeni R. Turner, 1912g:370, ♀. Holotype: ♀, India: Tamil Nadu: Nilgiri Hills: Kharkur (BMNH). – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae).

349. *grisselli* G. Ferguson

Cerceris grisselli G. Ferguson, 1983c:236, ♀, ♂. Holotype: ♀, USA: California: Los Angeles County: Tanbark Flat (UCD). – G. Ferguson, 1984c:483 (in annotated list of North American and Caribbean *Cerceris*).

As *Cerceris minax*: R. Bohart and Grissell, 1975:49, corrected to *Cerceris grisselli* by G. Ferguson, 1983c:236.

350. *guigliae* Giordani Soika

Cercerius guigliae Giordani Soika, 1942:204, ♂ (as *Guigliae*, incorrect original capitalization). Holotype: ♂, Eritrea: Ghinda (Univ. Torino). – Empey, 1969a:309 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Empey, 1983:173(bibliographic reference, type examined); Madl, 2023:256 (in catalog of Crabronidae of Eritrea).

Cerceris taygete Arnold, 1951:119, ♂. Holotype: ♂, Ethiopia: Gambeila (BMNH). Synonymized with *Cerceris guigliae* by Empey, 1983:173. – Empey, 1969a:323 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae).

351. *gusenleitneri* K. Schmidt

Cerceris gusenleitneri K. Schmidt, 2000:65, ♀, ♂. Holotype: ♂, Iran: Elburz Province: 75 km south of Chaluz (J. Gusenleitner coll., Linz). – Malash, Edmardash, and Gadallah, 2022:22 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

352. *hackeriana* Cockerell

Cerceris hackeriana Cockerell, 1930:32, ♀. Holotype: ♀, Australia: New South Wales: Tooloom (Queensland Museum, Brisbane). – Tsuneki, 1968e:4 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Evans, 1982a:337 (in revision of Eastern Australian *Cerceris*); Cardale, 1985:299 (in catalog of Australian Sphecidae).

353. *halone* Banks

Cerceris halone Banks, 1912:24, ♀. Lectotype: ♀, USA: Virginia: Falls Church (MCZ), designated by G. Ferguson, 1983b:29 (Article 74.6). – Stevens, 1917:422 (North Dakota); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1008 (in catalog of North American Hymenoptera); Byers, 1962:317 (nesting habits); Krombein, 1963f:277 (Maryland: Plummers Island near Washington, D.C.); Tsuneki, 1965d:3 (prey record summary: Curculionidae); Scullen, 1965b:483 (in revision of North American *Cerceris*); Scullen and Wold, 1970:212 (distribution and summary of prey records); Evans, 1971:511 (nesting habits), 1975a:264 (unsuccessful colonizer of a new habitat); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Byers, 1978:818 (nests, prey, behavior, and development); Krombein, 1979b:1734 (in catalog of North American Hymenoptera, parasite and prey); G. Ferguson, 1984c:483 (in annotated list of North American and Caribbean *Cerceris*); Spofford, Kurczewski, and Downes, 1989:255, 256 (references to publications on nest parasites *Amobia* sp., *Metopia argyrocephala* (Meigen), and *Metopia campestris* (Fallén), miltogrammine flies); Ahlstrom, 1995:114 (in checklist of insects of North Carolina); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Buck, 2004:28 (Canada: in checklist of Crabronidae of Ontario), 31 (distribution within Ontario), 72 (first record from Ontario: list of localities); Amarante, 2005a:12 (correction to his 2002 catalog); Buck, Paiero, and Marshall, 2006:45, 47 (in key to eastern Canadian *Cerceris*); Giles and Ascher, 2006:231 (New York: Black Rock Forest Preserve); Jobin and Perron, 2008:24 (Canada:

first record from Quebec: Mount Shefford at 45°22"N), 2009:28 (prey: Curculionidae *Curculio nasicus* (Say), *Curculio poboscideus* Fabricius, and *Curculio sulcatulus* (Casey)); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Ontario, Quebec, first record from Manitoba: no specific locality).

Cerceris stigmosalis Banks, 1916:64, ♂. Holotype: ♂, USA: North Dakota: Fargo (MCZ). Synonymized with *Cerceris halone* by G. Ferguson, 1984c:483. – Stevens, 1917:422 (North Dakota); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010 (in catalog of North American Hymenoptera); Scullen, 1965b:506 (in revision of North American *Cerceris*), 1972:95 (in revision of Mexican and North American *Cerceris*); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Krombein, 1979b:1737 (in catalog of North American Hymenoptera); G. Ferguson, 1983b:233 (study of holotype); Melo, 2000:98 (nest reutilization); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Amarante, 2005a:13 (correction to his 2002 catalog).

Cerceris architis Mickel, 1916:409, ♀. Holotype: ♀, USA: Nebraska: South Bend (UNL). Synonymized with *Cerceris halone* by Scullen, 1960:78. – Abbott, 1928:205 (nesting habits, prey: *Curculio nasicus* Say, Curculionidae); Mickel, 1918b:450 (in catalog of Nebraskan Sphecidae); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1005 (in catalog of North American Hymenoptera); Muma, 1952:17 (holotype in UNL); Krombein, 1958f:197 (in supplement to catalog of North American Hymenoptera: prey: *Curculio rectus* (Say), Curculionidae); Tsuneki, 1965d:3 (prey record summary: Curculionidae); Krombein, 1967:414 (synonymy recorded); Amarante, 2005a:13 (correction to his 2002 catalog).

Cerceris salome Banks, 1923:21, ♀. Lectotype: ♀, USA: Virginia: Lee County: Jones Creek (MCZ), designated by Scullen, 1960:78 (Article 74.6), and by G. Ferguson, 1983b:232. Synonymized with *Cerceris architis* by Scullen *in* Muesebeck, Krombein, and Townes, 1951:1005, and with *Cerceris halone* by Scullen, 1960:78. – J.Ch. Bradley, 1928:1017 (in catalog of New York Sphecidae).

Cerceris shermani Brimley, 1928:200, ♀. Holotype: ♀, North Carolina: Raleigh (North Carolina Department of Agriculture). Synonymized with *Cerceris architis* by Scullen *in* Muesebeck, Krombein, and Townes, 1951:1005. – Brimley, 1938:448 (North Carolina: Lakeview, Laurinburg, Marion, Raleigh).

354. *hameri* Guichard

Cerceris hameri Guichard, 1993a:156, ♀. Holotype: ♀, United Arab Emirates: Suweihan at 24°50'N 55°25'E (BMNH). – Schmid-Egger, 2011b:516 (recorded from United Arab Emirates by Guichard, 1993a); Gadallah, 2020b:63 (in list of aculeate wasps of Arabian Peninsula); Malash, Edmardash, and Gadallah, 2022:22 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:294 (United Arab Emirates: locality records).

355. *hamiltoni* Arnold

Cerceris hamiltoni Arnold, 1931:167, ♀ (as *Hamiltoni*, incorrect original capitalization). Holotype: ♀, Kenya: Magadi Junction (BMNH). Paratype: Mara River in Masai Reserve (BMNH). – Arnold, 1931:140 (in key to Afrotropical *Cerceris*); Empey, 1969a:309 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Empey, 1983:173 (bibliographic reference, unnecessary designation of lectotype).

356. *hanangensis* Dollfuss

Cerceris hanangensis Dollfuss, 2023b:316, ♀, ♂. Holotype: ♀, Tanzania: Manyara Region: Nangwa on southeastern side of Mount Hanang (CAS).

357. *haramaiae* Arnold

Cerceris rhodesiae haramaiae Arnold, 1951:108, ♂. Holotype: ♂, Ethiopia: Haramaia (BMNH). – **As *Cerceris haramaiae***: Empey, 1969a:309 (full species status, in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Empey, 1983:173 (bibliographic reference, type examined).

358. *harbinensis* Tsuneki

Cerceris harbinensis Tsuneki, 1961c:55, ♂. Holotype: ♂, China: Heilungkiang: Harbin (originally P. Verhoeff coll., now RMNH). – Tsuneki, 1961c:16 (in key to *Cerceris* of northeastern Asia), 1967e:2 (China: Heilungkiang); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Kazenas, 1979d:87 (in key to *Cerceris* of Russian Far East); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:477 (in key to Sphecidae of Russian Far East); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

359. *hathor* Pulawski

As *Cerceris eugenia* (corrected to *Cerceris hathor* by Pulawski, 1983:242): Schletterer, 1887:390 (Egyptian specimen only); Kohl, 1888a:139 (relationship to *Cerceris orientalis* Mocsáry), 1916:111 (relationships to *Cerceris odontophora* and *mocsaryi*); Ed. André, 1889:268, 325, 330 (in revision of Sphecidae of Europe and Algeria); Schletterer, 1889a:902 (Savigny, 1817, pl. X, Fig. 24 represents *Cerceris eugenia*); Ed. André, 1891:29* (bibliographic references); Giner Marí, 1941b:224 (in revision of North African *Cerceris*); de Beaumont, 1951b:180 (synonymy), 1951f:339 (Egypt to Morocco; redescription; synonymy), 1953g:122 (Morocco: Midelt), 1956a:186 (Chad: Tibesti), 1958b:59 (Algeria: Tassili des Ajjer); de Beaumont and Bytinski-Salz, 1959:122 (Israel); Pulawski, 1964:73 (Egypt: Ghiza, Kom Osheim); de Beaumont, 1970b:38 (his earlier interpretation of this species is incorrect); Guichard, 1993a:161 (Arabian Peninsula), present correction.

As *Cerceris tricolorata*: Mochi, 1938:190 (in revision of Egyptian *Cerceris*), corrected to *Cerceris eugenia* by de Beaumont, 1951b:180, and to *Cerceris hathor* by Pulawski, 1983:242; Giner Marí, 1941b:174 (in revision of North African *Cerceris*), corrected to *Cerceris eugenia* by de Beaumont, 1951f:339 and to *Cerceris hathor* by Pulawski, 1983:242; de Beaumont, 1950f:397 (Algeria, as *Cerceris tricolorata* (Spinola) Mochi).

As *Cerceris vidua* (corrected to *Cerceris eugenia* by de Beaumont, 1951b:180, and to *Cerceris hathor* by Pulawski, 1983:242): Honoré, 1941:150 (species different from *alboatra*), 1942:69 (Egypt).

Cerceris hathor Pulawski, 1983:242, ♀, ♂. Holotype: ♀, Egypt: Giza near Cairo (originally W.J. Pulawski coll., now CAS). – K. Schmidt, 2000:92 (in revision of Western Palearctic *Cerceris*); Roche, 2007a:133 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Schmid-Egger 2011b:516 (recorded from United Arab Emirates by Guichard, 1993a); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:358 (in new catalog of Sphecidae of Saudi Arabia); Dollfuss, 2018:1147 (locality records from Egypt, Iran, Israel, Moroco, Oman, Tunisia, and United Arab Emirates); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:17 (Iran: known from Hormozgan and Kerman provinces); Ben Khedher, Yildirime, and Braham, 2020c:10 (Tunisia: previously recorded fromMedenine: Island of Djerba: and Tozeur: Nefta oasis); Gadallah, 2020b:64 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021a:941 (locality records from Iran and Oman), 2021c:598 (locality records from Iran, Israel, Jordan, Morocco, Oman, Syria, Tunisia, Turkey, United Arab Emirates, and Yemen); Malash, Edmardash, and Gadallah, 2022:22 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:294 (United Arab Emirates: locality records); Dollfuss, 2023a:409 (Oman); Malash Edmardash, and Gadallah, 2024a:4 (in key to Western Palearctic members of *Cerceris bupresticida* species group), 12 (in revision of Western Palearctic members of *Cerceris bupresticida* species group); Gadallah and Abu El-Ghiet, 2024:90 (Saudi Arabia: Jazan Province: Fayfa).

360. *hatuey* Alayo Dalmau

Cerceris hatuey Alayo Dalmau, 1968a:14, ♀, ♂. Syntypes: Cuba: Ciudamar (IZAC). – Alayo Dalmau, 1973:191 (in catalog of Cuban Hymenoptera), 1976:16 (in key to Cuban *Cerceris*), 31 (in checklist of Cuban Sphecidae); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); G. Ferguson, 1984c:483 (in annotated list of North American and Caribbean *Cerceris*); Reyes and Hernández, 1995:3 (holotype in Inst.

Ecol. Sist., La Havana, Cuba); Amarante, 2002:59 (in catalog of Neotropical Crabronidae, as *hautey*); Hidalgo-Gato González, Reyes Sánchez, Mestre Novoa, Fernández García, Rodriguez-León Merino, Rodríguez Velázquez, Genaro Artola, and Fontenla Rizo, 2002:29 (syntypes deposited at IZAC); Portundo and Fernández, 2004:134 (Cuba: Sierra Maestra); Amarante, 2005a:13 (correction to his 2002 catalog); Genaro, 2006:58 (in checklist of Cuban Sphecidae and Crabronidae), 2017:10 (in list of Antillean *Cerceris*).

361. *hausa* Arnold

Cerceris hausa Arnold, 1931:174, ♀. Holotype: ♀, Nigeria: Azare (BMNH). – Arnold, 1931:142 (in key to Afrotropical *Cerceris*); Empey, 1969a:309 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Empey, 1983:173 (bibliographic reference, unnecessary designation of lectotype); Guichard, 1993a:156 (Arabian Peninsula); Gadallah and Assery, 2004a:234 (in catalog of Sphecidae of Saudi Arabia); Schmid-Egger, 2011b:516 (first record from United Arab Emirates: Um al-Quwain), 519 (color photograph of female); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:358 (in new catalog of Sphecidae of Saudi Arabia); Gadallah, 2020b:64 (in list of aculeate wasps of Arabian Peninsula); Malash, Edmardash, and Gadallah, 2022:23 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:300 (record by Schmid-Egger, 2011b is a misdetermination); Gadallah and Abu El-Ghiet, 2024:90 (Saudi Arabia: Jazan Province: Abu Arish).

362. *herbsti* Empey

Cerceris herbsti Empey, 1971b:254, ♀. Holotype: ♀, Namibia: Windhoek (originally H. Empey coll., now TMP). – R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Empey, 1983:173 (bibliographic reference, type examined).

363. *hermani* Fritz

Cerceris hermani Fritz, 1990:158, ♀. Holotype: ♀, Brazil: Goias: Jatai (Oregon State Univ.). – Amarante, 2002:59 (in catalog of Neotropical Crabronidae).

364. *hexadonta* Strand

Cerceris hexadonta Strand, 1913b:158, ♀. Holotype: ♀, Taiwan: Anping (DEI). – Strand, 1927:253 (in list of species described by author); Giner Marí, 1943d:219 (redescription); Tsuneki, 1970c:3 (in key to *Cerceris* of Taiwan), 12 (Taiwan, redescription); Oehlke and Wudowenz, 1974:423 (holotype in DEI); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Wu and Zhou, 1996a:175 (in revision in Economic Insect Fauna of China); Porter, Stange, and Wang, 1999:14 (in checklist of Sphecidae of Taiwan); Hua, 2006:278 (in list of Chinese insects, geographic distribution); X. Li and L. Ma, 2014:2714, 2715 (in key to *Cerceris alboatra* species group of China, in Chinese); Dollfuss, 2020b:120 (Laos: Hua Phan Province: near Ban Salei village at 20°13'30"N 103°59'26"E; Nepal: Tatopani)

365. *hidalgo* Scullen

Cerceris calochorti hidalgo Scullen, 1972:75, ♀, ♂. Holotype: ♀, Mexico: Durango: 14 mi. northeast of Durango (USNM). – R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae); Krombein, 1979b:1731 (in catalog of North American Hymenoptera); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae). – **As *Cerceris hidalgo***: G. Ferguson, 1984c:484 (full species status, in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:59 (in catalog of Neotropical Crabronidae).

366. *hilaris* F. Smith

Cerceris hilaris F. Smith, 1856:452, ♀. Lectotype: ♀, northern India: no specific locality (BMNH), designated by Empey, 1984:77 (Article 74.6). – F. Smith, 1871a:370 (in catalog of Oriental Aculeata); Schletterer, 1887:493 (in checklist of world *Cerceris*); Cameron, 1890b:249 (in checklist of Oriental Sphecidae), 267 (redescription); Bingham, 1897:301 (in key to *Cerceris* of British India), 311 (in revision of *Cerceris* of

British India); Dalla Torre, 1897:462 (in catalog of world Hymenoptera); Bingham, 1908:358 (India: Mussoorie); R. Turner, 1912e:490 (in revision of *Cerceris* of Indian subcontinent); Ramakrishna Aiyar, 1916:557 (synonymy by R.Turner, 1912e, reported); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Dollfuss, 2020b:121 (Nepal: Jumla airport at 29°16'25"N 82°11'32"E).

Cerceris himalayensis Bingham, 1898b:120, ♂. Lectotype: ♂, India: Himachal Pradesh: Simla (BMNH), designated by Empey, 1984:77 (Article 74.6). Synonymized with *Cerceris hilaris* by R. Turner, 1912e:490.

Cerceris simlaensis Cameron, 1905d:83, ♂. Lectotype: ♂, India: Himachal Pradesh: Simla (BMNH), designated by Empey, 1984:77. Synonymized with *Cerceris hilaris* by R. Turner, 1912e:490. – Empey, 1984:77 (in checklist of Oriental *Cerceris* described by Cameron).

367. *hilbrandi* van der Vecht

Cerceris hilbrandi van der Vecht, 1964:364, ♀, ♂. Holotype: ♀, Indonesia: Java: Mount Gedeh: Tjibodas (RMNH). – R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae).

368. *hildebrandti* de Saussure

Cerceris hildebrandti de Saussure, 1891:261, ♀ (as *Hildebrandti*, incorrect original capitalization). Holotype or syntypes: ♀, Madagascar: no specific locality (lost, see Empey, 1983:173). – Dalla Torre, 1897:462 (in catalog of world Hymenoptera); Empey, 1969a:301 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Empey, 1983:173 (bibliographic reference, type not examined); Pulawski, 2003b:799 (in checklist of Malagasy Sphecidae).

369. *histerisnica* (Spinola)

Nectanebus fischeri Spinola, 1839:491, ♀ (as *Fischeri*, incorrect original capitalization), junior secondary homonym of *Cerceris fischeri* Spinola, 1839:493. Syntypes: ♀, Egypt: no specific locality (M. Spinola collection, Torino). – Dahlbom, 1844:194 (in revision of Sphecidae and Pompilidae), 1845:497 (in key to world *Cerceris*); Dalla Torre, 1897:482 (in catalog of world Hymenoptera); Morice, 1900b:166 (Egypt: Cairo area); W.A. Schulz, 1904a:10 (as *fischeri fischeri*, comparison with *fischeri algeriensis*); von Schulthess, 1926b:212 (Tunisia); Kruger, 1929a:21 and 1929b:56 (Libya: Cyrenaica: Tobruk); Guiglia, 1934b:298 (Libya: bibliography and summary of locality records); Mochi, 1939a:114 (redescription); Guiglia, 1940a:281 (Libya: Wadi el-Had), 1942b:231 (Libya); de Beaumont and Bytinski-Salz, 1959:133 (Israel); Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino); Pagliano, 2014:104 (specimens in M. Spinola collection, Torino, including lectotype, are *Cerceris fischeri*). – **As *Cerceris fischeri***: R. Bohart and Menke, 1976:582 (new generic assignment, in checklist of world Sphecidae).

Nectanebus histerisnicus Spinola, 1839:491, ♂. Syntypes: ♂, Egypt: no specific locality (Turin). Synonymized with *Nectanebus fischeri* by Spinola, 1840:1, and Mochi, 1939a:114. – Dahlbom, 1844:194 (in revision of Sphecidae and Pompilidae), 1845:497 (in key to world *Cerceris*). – **As *Cerceris histerisnica***: R. Bohart and Menke, 1976:582 (new generic assignment, in checklist of world Sphecidae); Roche and Zalat, 1994:117 (Egypt: Sinai Peninsula); K. Schmidt, 2000:126 (in revision of Western Palearctic *Cerceris*); Roche, 2007a:138 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Dollfuss, 2018:1147 (locality records from Israel, Jordan, and Tunisia); Ben Khedher, Yildirime, and Braham, 2020c:10 (Tunisia: previously recorded from 48 km south of Kairouan); Dollfuss, 2021c:598 (Israel: three localities, Tunisia: Tamerza at 34°22'N 07°54.5'E); Malash, Edmardash, and Gadallah, 2022:23 (in catalog of Middle Eastern and North African Philanthinae).

Nectanebus histrionicus Spinola, 1840:1, unjustified emendation of *Nectanebus histerisnicus* Spinola, 1839. – de Beaumont, 1952e:50 (study of syntypes); Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, as *istrionicus*); Pagliano, 2014:104 (specimens in M. Spinola collection, Torino, as *istrionicus*, are *Cerceris histerisnica*).

Nectanebus fischeri algeriensis W. Schulz, 1904a:10, ♀. Syntypes: ♀, Algeria: Biskra (coll. W. A. Schulz ?). Synonymized with *Nectanebus fischeri* by von Schulthess, 1926b:211. – W. Schulz, 1905b:38 (Algeria: Biskra). – **As *Cerceris histerisnica algeriensis***: R. Bohart and Menke, 1976:582 (new generic assignment, in checklist of world Sphecidae).

370. *histrionica* Klug

Cerceris histrionica Klug, 1845:[28], pl. 47 fig. 9, ♂ (nec ♀), junior secondary homonym of *Cerceris histrionica* (Spinola, 1840). Syntypes: ♂, Egypt: Saqqara and Fayum Provinces, and Ambukohl on Nile west of Korti (ZMHU). – F. Smith, 1856:445 (in catalog of Hymenoptera in British Museum); Walker, 1871:27 (Sinai Peninsula: Wadi Feiran, Wadi Gennah, Mount Sinai); Schletterer, 1887:472 (original description copied), 494 (in checklist of world *Cerceris*); Ed. André, 1889:314 (in revision of Sphecidae of Europe and Algeria), 1891:30* (bibliographic references); Dalla Torre, 1897:463 (in catalog of world Hymenoptera); Innes Bey, 1912:113 (specimens recorded by Walker, 1871, now destroyed by dermestids, were collected in Sinai: Wadi Feiran); Shestakov *in* Nadig, 1933:98 (Morocco: Marrakech); Giner Marí, 1941b:164 (in revision of North African *Cerceris*); de Beaumont, 1951b:177 (interpretation of species), 1951f:329 (North Africa; definition of species, variation), 1953g:121 (Morocco), 1956a:186 (Libya), 1958b:59 (Algeria: Tassili des Ajjer); de Beaumont and Bytinski-Salz, 1959:122 (Israel); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Roche and Zalat, 1994:117 (Egypt: Sinai Peninsula); D. Baker, 1997b:183 (in catalog of insects described by Klug, 1945); K. Schmidt, 2000:161 (in revision of Western Palearctic *Cerceris*); Roche, 2007a:131 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Dollfuss, 2018:1148 (locality records from Algeri, Egypt, Jordan, and Morocco); Ben Khedher, Yildirime, and Braham, 2020c:538 (Tunisia: previous record reported, new locality records from Kairouan, Kasserine, Kebili, Mahdia, Sidi Bouzid, Tataouine, and Tozeur provinces); Dollfuss, 2021c:598 (locality records from Algeria, Iran, Israel, Jordan, Morocco, and Tunisia); Malash, Edmardash, and Gadallah, 2022:23 (in catalog of Middle Eastern and North African Philanthinae).

Cerceris syrkuti Dahlbom, 1845:502, ♀ (as *Syrkuti*, incorrect original capitalization). Holotype: ♀, Egypt or Sudan: Nubia: Syrkut (NRS). Synonymized with *Cerceris albicincta* by de Beaumont, 1950c:325 (tentatively), and with *Cerceris histrionica* by de Beaumont, 1951f:329. – F. Smith, 1856:448 (in catalog of Hymenoptera in British Museum); Schletterer, 1887:504 (in checklist of world *Cerceris*); Dalla Torre, 1897:478 (in catalog of world Hymenoptera).

Cerceris eatoni Morice, 1911:85, ♀, ♂. Syntypes: Algeria: Biskra (BMNH). Synonymized with *Cerceris histrionica* by de Beaumont, 1951b:177 and 1951f:329. – Shestakov, 1923:101, 105 (in key to subgenus *Apiraptrix*), 115 (bibliographic reference, distribution); de Beaumont, 1950f:397 (Algeria); Grandi, 1959b:287 (Algeria: Biskra, Goriana in Hodna district).

Cerceris fluxa Kohl, 1916:112, ♀. Holotype: ♀, Algeria: no specific locality (Kraków). Synonymized with *Cerceris histrionica* by de Beaumont, 1951b:177. – Giner Marí, 1941b:173 (in revision of North African *Cerceris*), 1945b:359 (Morocco: Muley Ali), 367 (redescription).

Cerceris honorei Mochi, 1938:186, ♀ (as *Honorei*, incorrect original capitalization). Holotype: ♀, Egypt: Gebel Asfar near Cairo (? USNM). Synonymized with *Cerceris histrionica* by de Beaumont, 1951b:177, 179. – Honoré, 1941a:152 (description of ♂); Giner Marí, 1941b:167 (in revision of North African *Cerceris*), 1945e:224 (Western Sahara, description of ♂).

Cerceris fluxa ssp. *saharica* Giner Marí, 1945e:222, ♀, ♂. Holotype (sex not stated): Morocco: Tuisguirrentz (MNCN). Synonymized with *Cerceris histrionica* by de Beaumont, 1951f:329.

371. *hohlbecki* Shestakov

Cerceris hohlbecki Shestakov, 1914a:94, ♀. Holotype or syntypes: ♀, Turkmenistan: Farab (ZIN). – Shestakov, 1915:14 (Turkmenistan: Farab; description of ♂), 1916b:234 (Armenia; determination tentative),

1918a:135 (Kazakhstan and Turkmenistan); Myartseva, 1972a:92 (Turkmenistan); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Kazenas, 1978b:62, 65 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:143 (in revision of *Cerceris* of Kazakhstan and Central Asia); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); K. Schmidt, 2000:66 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:56 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:113, 117 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:146 (geographic distribution, collecting localities in Kazakhstan); Danilov and Mokrousov, 2017b:253 (in catalog of Philanthinae of Russia); Mokrousov, 2017b:13 (Rusia: south of European part: locality records); Dollfuss, 2021c:599 (locality records from Kazakhstan, Kyrgyzstan, Turkmenistan, and Uzbekistan); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

Cerceris fragosa Kohl, 1916:116, ♂. Holotype: ♂, former Russian Turkestan: no specific locality (Kraków). Synonymized with *Cerceris hohlbecki* by Shestakov, 1926:240.

372. *holconota* Cameron

Cerceris holconota Cameron, 1905m:215, ♀. Lectotype: ♀, South Africa: Eastern Cape Province: Dunbrody at 33°29'S 25°33'E (BMNH), designated by Empey, 1983:173 (Article 74.6). – Brauns, 1926:312 (in revision of Afrotropical *Cerceris*, description of ♂); Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:143, 148 (in key to Afrotropical *Cerceris*); Empey, 1969a:310 (in checklist of Afrotropical *Cerceris*), 1971b:271 (redescription), 1974:108 (revue of subspecies and type material); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Gess, 1980a:86 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown), 87 (prey: Hymenoptera), 1981:21 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown; nesting in sandy soils; prey: Hymenoptera; (as *holconota holconota*); Empey, 1983:173 (bibliographic reference, type examined, as *holconota holconota*); S. Gess, 1996:280, 282 (floral records, as *holconota holconota*); S. Gess and F. Gess, 2003:132 (South Africa: visiting flowers of *Athanasia trifurcata* (L.) L. and *Athanasia* sp., Asteraceae), *Euclea crispa* (Thunb.) Guerke, Ebenaceae, *Acacia caffra* (Thunb.) Willd. and *Acacia karroo* Hayne, Fabaceae, as *holconota holconota*); Dollfuss, 2020a:98 (locality records from Botswana, Namibia, and South Africa).

ssp. *labiosa* Empey

Cerceris holconota labiosa Empey, 1971b:273, ♀. Holotype: ♀: South Africa: Limpopo Province: Ellisras, now Lephalale (originally H. Empey coll., now TMP). – Empey, 1974:108 (in list of Afrotropical *Cerceris* described by Cameron); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Empey, 1983:173 (bibliographic reference, type examined).

As *Cerceris nenitroidea* Bischoff, 1913:118 (♀ only), corrected to *Cerceris holconota labiosa* by Empey, 1983:173.

ssp. *oculata* Empey

Cerceris holconota oculata Empey, 1971b:274, ♀. Holotype: ♀, South Africa: Free State: Ficksburg (originally H. Empey coll., now TMP). – Empey, 1974:108 (in checklist of world Sphecidae); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Empey, 1983:174 (in bibliographic reference, type examined).

373. *hortivaga* Kohl

Cerceris hortivaga Kohl, 1880:223, ♀, ♂. Syntypes: Austria: Südtirol: Levico, now Italy: Alto Adige: Levico (NHMW). – Kohl, 1880:153 (Austria: Tirol, and Italy: Trentino-Alto Adige), 1883e:664 (Switzerland); Schletterer, 1887:380 (in revision of Palearctic *Cerceris*), 494 (in checklist of world *Cerceris*); Ed. André, 1889:264 (in revision of Sphecidae of Europe and Algeria); Schletterer, 1889a:901 (faunal records); Steck, 1890:168, 170 (in key to *Cerceris* of Switzerland); Ed. André, 1891:27* (bibliographic references); Kohl, 1893a:34 (Austria: Niederösterreich); Borries, 1897:53 (reference to Kohl, 1880:226); Dalla Torre, 1897:463 (in catalog of world Hymenoptera); Mocsáry, 1897:80 (Kingdom of Hungary, some localities are in today's Croatia and Romania); Chyzer, 1902:33 (Hungary); de Cobelli, 1903:110 (Italy: Province of

Trentino: Levico); Adlerz, 1904:138 (known prey: *Hylaeus*, a bee); Schmiedeknecht, 1907:237, 238, 242 (in key to Hymenoptera of Central Europe); Graeffe, 1911:48 (Italy: Trieste area); Shestakov, 1923:104, 105 (in key to subgenus *Apiraptrix*), 113 (bibliographic reference, distribution); Lauterborn, 1925:355 (Germany: Baden-Württemberg: Kaiserstuhl); Strohm, 1925:212 (Germany: Baden-Württemberg: Ihringen); Noskiewicz, 1930:94 (Poland: Podole Region: Niżniów, now Ukraine); Schmiedeknecht, 1930:698, 699, 702 (in keys to Hymenoptera of North and Central Europe); K. Strohm, 1933:337 (Germany: Baden-Württemberg: Kaiserstuhl); Zavadil, 1934:187 (Slovakia); Zavadil, Šustera, and Bat'a, 1937:207 (in catalog of Sphecidae of Czechoslovakia); Kuntze and Noskiewicz, 1938:378 (in Poland known only from Podole region, now Ukraine); Šnoflák, 1944a:144 (Czech Republic: serpentine steppe near Mohelno); Balthasar, 1945:115 (Czech Republic: southeastern Morava Region); Ribaut, 1946:271 (first record from France: Haute Garonne: Saint-Béat and Lacourtensourt); Balthasar, 1948:143 (Slovakia: Kovačov); Šnoflák *in* Zavadil and Šnoflák, 1948:86, 94 (in key to Sphecidae of Czechoslovakia); de Beaumont, 1952a:44 (in revision of *Cerceris* of France, first record from France: Haute-Garonne, Haute-Savoie, Lot); Móczár, 1953:310 (Hungary); Nouvel and Ribaut, 1953:177 (France: Haute-Garonne: Saint-Béat); Vogrin, 1955:33 (Yugoslavia); Bajári, 1956a:80 (in catalog of Hungarian *Cerceris*, with list of localities), 1957a:32, 40 (in key to Hungarian Sphecidae); Hamann, 1960:199 (Austria: Oberösterreich: Mönchgraben at 48°13'N 14°21'E); Noskiewicz and Puławski, 1960:74, 78 (in key to Polish Sphecidae, not yet found in Poland); Lehrer and Scutaru, 1963:284 (Romania: Moldova: Bahna in Bacău District, Baia in Suceava District, Mirceşti in Iaşi District); Tsuneki and Shimoyama, 1963:49 (Japan: Towada Prefecture); Babiy, 1964:117 (Austria: Land Salzburg); de Beaumont, 1964c:39 (in Sphecid Fauna of Switzerland); Scobiola-Palade, 1966b:391 (Romania: Tulcea District: Tulcea); Gauss, 1967:551 (Germany: Baden-Württemberg: Kaiserstuhl); Niedl and Deneš, 1967:85 (Czech Republic: Třeboň area); Benedek, 1969a:83 (Hungary; marshy meadow); Scobiola-Palade, 1971:202 (in review of *Cerceris* of Romania); Balthasar, 1972:397 (in Sphecid Fauna of Czechoslovakia); Niedl and Deneš, 1972:153 (Czech Republic: Třeboň area); Scobiola-Palade, 1972b:251 (Romania); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Kazenas, 1978b:50, 54 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1978:188, 190 (in key to Sphecidae of European part of USSR); Benedek, 1979:227 (Hungary: Bakony Hills); Kazenas, 1979d:70 (Russia: Primorskiy Kray; diagnostic chracters), 83, 87 (in key to *Cerceris* of Russian Far East); Schmidt, 1979b:299 (Germany: Baden-Württemberg); Dollfuss and Ressl, 1981:317, 324 (Austria: Niederösterreich: Scheibbs District); Dollfuss, 1983b:24 (in catalog of Sphecidae of Austria); Gayubo, 1983e:238 (Spain: Salamanca Province); Józan, 1983:98 (Hungary), 1985a:181 (Hungary), 1985b:62 (Hungary south of Lake Balaton), 72 (map of distribution in Hungary), 82 (floral records), 85 (ecological and zoogeographic characteristics); Brechtel, 1986:58 (Germany: Südpfalz: Lauterwiesen, Stixwörth); Piek and Spanjer, 1986:182 (in list of Sphecidae with known prey); Steiner, 1986:113 (references to publications on nesting habits); Dollfuss, 1988:19 (Austria: Bisamberg near Vienna), 1989:8 (type material in NHMW); Pádr *in* Šedivy, 1989a:166 (in checklist of Czechoslovakian Sphecidae); Schwammberger and Priesner, 1990:554 (Austria: Kärtnen); Day, 1991:xiii (summary of European Endangered Hymenoptera Lists); Dollfuss, 1991:221 (in key to Sphecidae of North and Central Europe); Gusenleitner, 1991:648 (Austria: Schaufelberg north of Grieselstein); Gusenleitner, 1992:689 (Austria: Burgenland); Józan, 1992c:290 (Hungary: Zselic Hills); Józan, 1993:415 (Hungary: Bükk National Park); Hamon, Tussac, and Richet, 1994:29 (distribution in France); Gorobchishin, 1995:19 (Ukraine: Kanev Nature Reserve); Józan, 1995:105 (Hungary: projected Duna-Dráva National Park); Schmid-Egger, Risch, and Niehuis, 1995:167 (Germany: summary of records from Rheinland-Pfalz Province); Gorobchishin, 1996:53 (Ukraine: Kanev Nature Reserve); Schmid-Egger, Schmidt, and Doczkal, 1996:376 (Germany: Baden-Württemberg: probably endangered); Voblenko, Gorobchishin, and Nesterov, 1996:15 (Ukraine: Polesye Region); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:343 (in Sphecid Fauna of Western Europe); Schmidt and Schmid-Egger, 1997:7 (in checklist of German Sphecidae); Elligsen, 1998:70 (Ukraine: Sambir area); Józan, 1998:312 (Hungary: Duna-Dráva

National Park); Dollfuss, Gusenleitner, and Bregant, 1998:525 (Austria: summary of collecting records from Burgenland); Neumayer, Schwarz, and Bregant, 1999:223 (Austria: in checklist of Sphecidae of Land Kärnten); M. Schwarz, 1999:88 (Austria: Oberösterreich: city of Linz area): Blösch, 2000:419 (in Sphecid Fauna of Germany); Dressler, 2000:31 (Germany: Hessen: Darmstadt area); Józan, 2000:114 (Hungary: Bakony Mountains); Melo, 2000:98 (nest usurpation and temporary association with nest owner); Schmid-Egger, 2000b:275 (Germany: Baden-Württemberg: shores of Rhine River); K. Schmidt, 2000:162 (in revision of Western Palearctic *Cerceris*); Józan, 2001:281 (Hungary: Somogy County); Kazenas, 2001b:56 (tentatively in checklist of Sphecidae of Kazakhstan and Central Asia); Ohl et al., 2001:137 (distribution in Germany by provinces); Salzmann-Wandeler and Rezbanyai-Reser, 2001:158 (Switzerland: Tessin Canton: Meride area); Zettel, Gross, and Mazzucco, 2001:81 (Austria: Wien); Herrmann and Zinnert, 2002:25 (Germany: Baden-Württemberg: Bettenberg near Konstanz); Józan, 2002:54 (Hungary: Mecsek Mountains); Drewes, 2003:134 (Spain: Tarragona); Gorobchishin, 2003:48 (Ukraine: Kiev: botanical garden); Kofler, 2005:185 (Austria: Tirol: Lienz District: Tristacher Au in Tristach Common; Kärnten: Irschen); Pagliano and Negrisolo, 2005:336 (in Sphecid Fauna of Italy); Straka, 2005a:397 (critically endangered in Czech Republic); Gorobchishin, 2006:146 (Ukraine: Cherkasy Oblast': Kaniv Nature Reserve; Poltava Oblast': village Veliki Peregony; Kyiv; Ternopil' Oblast': village Ust'e); Jacobs, 2007:182, 185 (in key to Crabronidae of Germany); Józan, 2007:180 (Hungary: Zselic hills); Vepřek and Straka, 2007:209 (in catalog of Sphecidae of Czech Republic and Slovakia); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); Bitsch, 2010:118 (in supplement to vol. II of Faune de France, 1997: France: first records from Ariège: La Bastide de Serou; Hérault: Lodève; Jura: Besançon, Rans; and Haut-Rhin: Winzenheim); Schmid-Egger, 2010a:14 (in red list of Aculeata of Germany: rare); Treiber, 2010:134 (France: départements du Bas-Rhin and du Haut-Rhin); van der Smissen, 2010a:333 (Germany: Schleswig-Holstein: Griβheim, Neuenburg); Gogala, 2011:32 (Slovenia); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Tischendorf, Frommer, Flügel et al., 2011:111 (Germany: Hessen: not endangered); Boillat, 2012:228 (Switzerland: in checklist of insects of Canton de Genève); Vas, Szöllősi-Tóth, and Muskovits, 2016:154 (Romania: Sălaj County); Augul, 2017:198 (in key to four *Cerceris* collected in Iraq), 199 (Iraq: Erbil Rawanduz), 201 (color photographs); Danilov and Mokrousov, 2017b:253 (in catalog of Philanthinae of Russia); Dollfuss, 2018:1148 (locality records from Austria, Slovakia, Switzerland, and Turkey); Jacobs and Liebig, 2018:137 (Russia: Primorskiy Kray: Anisimovka and Kalinovka); Carminati, Mora, and Cretin, 2019:26 (France: in list of Sphecidae *sensu lato* of Franche-Comté); Dollfuss, 2021a:941 (locality records from Austria, Czech Republic, Japan, and Slovakia), 2021c:599 (locality records from China, Hungary, Japan, Korea, Russia, and Slovakia); Fresno, 2021a:82 (Spain: Asturias: Los Alfilorios); Kaplan and Yildirim, 2021:96 (in catalog of Crabronidae of Turkey); Olszewski, Wiśniowski, and Ljubomirov, 2021:84 (in commented list of Sphecidae *sensu lato* of Poland: first record from Poland: several localities); Malash, Edmardash, and Gadallah, 2022:24 (in catalog of Middle Eastern and North African Philanthinae); Pytel-Huta, Skyrpan, Tsaryk, Shydlovskyy, and Khamar, 2022:54 (western Ukraine); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:252 (in revision of Sphecidae *sensu lato* of Europe); Bertsch, 2023:37 (Germany: Bayern: several localities); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey); Mokrousov and Proshchalykin, 2025b:281 (*Cerceris hortivaga* is a Western Palearctic species; Eastern Palearctic form is *Cerceris storozhenkoi*; locality records, from Moldova, western Russia, and Ukraine).

Nec following authors (= *Cerceris storozhenkoi*): Radoszkowski, 1890a:231, Sickmann, 1894:204, Tsuneki, 1961c:9, 15, 24, 25 36, 46, Tsuneki and Shimoyama, 1963:49, Tano, 1964:38, Haneda, 1965:19, Tsuneki, 1965d:5, 7, 1967g:44, Haneda, 1968a:46, Itami, 1968a:16, Nambu, 1968b:27, Nishino, 1968:25, Tano, 1968:34, Tsuneki, 1968f:3, 5, Haneda, 1969:70, T. Iida, 1969b:284 , Itami, 1969:47, Tsuneki, 1969e:27, 1970b:9, Tano, 1971:82, Tsuneki, 1971m:16, Yamada, 1971:35, Nambu, 1972e:91, Tsuneki, 1972f:53,

Nambu, 1973a:152, Suda, 1973:123, Tsuneki, 1974a:371, Nambu, 1975b:72, Tsuneki, 1976d:294, Kazenas, 1979d:70, 83, 87, Tsuneki, 1982b:18 , 1982g:64, Paik, 1985:203, Tsuneki, 1991:201, Nemkov, 1992b:250, Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:471, 476; Sk. Yamane and Tano, 1995:11, Miyatake, 1996:103, Takahashi and Shiraishi, 1998:4, Takahashi and Shiraishi, 1999:12, Yamane, Ikudome, and Terayama, 1999:545, Haneda, 2003:4, Tano, Kurokawa, Murota, and Nozaka, 2003:33, Haneda, Nosaka, Tano, Kurokawa, and Murota, 2004:38, Suda, 2004:47, Haneda, Inoue, Nozaka, Tano, Kurokawa, H. Murota, and T. Murota, 2005:67, Haneda, Nozaka, Tano, Kurokawa, and Murota, 2005:55, Kinota, Haneda, and Tano, 2005:31, Negoro, Haneda, and Tano, 2005:49, Terayama and Tano, 2005:3, 5, Haneda, Nozaka, Tano, Kurokawa, and Murota, 2006a:30, 2006b:49, Hua, 2006:278. Nambu, 2006:247, Nemkov, 2006b:169, Ohkusa, 2006a:25, Nemkov, 2007b:75, 2008b:25, 2009b:148, 2009c:238, Ohkusa and Tajima, 2010:13, N. Yamamoto, 2011:14, Nemkov, 2012c:448, J.- K. Kim, 2014:447, Kishi and Nagase, 2015:16 (Japan: Tokyo University: Yayoi Campus: visiting flowers); Dollfuss 2021a: 941 (specimens from Japan only); 2021b: 599 (specimens from China, Japan, Korea, and Russia only).

As *Cerceris harmandi* (all corrected to *Cerceris hortivaga*, now *Cerceris storozhenkoi*, by Tsuneki, 1961c:36): Sato, 1927:96, 98 (Japan); Yano, 1926:97 (Japan), 1932:278 (Japan); Yasumatsu and Okabe, 1936:499 (redescription); Yasumatsu, 1937c:68 (Japan: Island of Tsushima); Yano, 1950:1468 (Japan).

As *Cerceris unifasciata*: Matsumura, 1911:115 (Japan), corrected to *Cerceris hortivaga*, now *Cerceris storozhenkoi*, by Tsuneki, 1961c:36.

374. *horus* Arnold

Cerceris horus Arnold, 1931:177, ♀, ♂ (as *Horus*, incorrect original capitalization, ♂ = *Cerceris albifrons*). Lectotype: ♀, Namibia: Okahandja (BMNH), designated by Empey, 1983:174. – Arnold, 1931:143 (in key to Afrotropical *Cerceris*), nec 148 (= *Cerceris albifrons)*; Empey, 1969a:310 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae, as *hora*); Empey, 1983:174 (bibliographic reference, type examined).

375. *howardevansi* Genaro

Cerceris howardevansi Genaro, 2004b:761, ♀, ♂. Holotype: ♀, Dominican Republic: Monte Cristi: Paroli (FSCA). – Perez-Gelabert, 2008:241 (in list of arthropods of island of Hispaniola); Genaro, 2017:10 (in list of Antillean *Cerceris*).

376. *huachuca* Banks

Cerceris huachuca Banks, 1947:29, ♂. Holotype: ♂, USA: Arizona: Patagonia (MCZ). – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1008 (in catalog of North American Hymenoptera); G. Ferguson, 1983b:226 (study of holotype), 1984c:484 (valid species, in annotated list of North American and Caribbean *Cerceris*); Hook, 1987:108 (nesting habits).– **As synonym of *Cerceris acanthophila***: Scullen, 1960:75 and subsequent authors prior to G. Ferguson, 1984, including R. Bohart and Menke, 1976:576.

377. *hurdi* Scullen

Cerceris hurdi Scullen, 1972:48, ♀, ♂. Holotype: ♀, Mexico: Nayarit: Ahuacatlán (CAS). – R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Krombein, 1979b:1735 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:484 (in annotated list of North American and Caribbean *Cerceris*); Maes, 1989:95 (in catalog of Nicaraguan Sphecidae); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

378. *ibericella* Leclercq

Cerceris iberica Schletterer, 1889a:879, ♀, junior primary homonym of *Cerceris arenaria* var. *iberica* Schletterer, 1887. Holotype: ♀, Spain: Madrid (MNCN). – Dalla Torre, 1897:463 (in catalog of world Hymenoptera); Antiga and Bofill, 1904:20 (Spain: Cataluña Province); Mercet, 1914:445 (recorded from Spain);

Shestakov, 1923:104 (in key to subgenus *Apiraptrix*), 114 (bibliographic reference, distribution); Berland, 1925d:56 (in Sphecid Fauna of France), 1926a:52 (France: Montpellier, Avignon); Giner Marí, 1934:131 (Spain); Bernard, 1935:62 (France: Var: Fréjus area); Giner Marí, 1941a:27 (in revision of Spanish *Cerceris*), 1943a:95 (in Sphecid Fauna of Spain); de Andrade, 1949:10 (Portugal: Lisboa, Vale de Gaio); de Beaumont, 1951b:178 (study of type), 1951f:316 (Morocco; geographic variation), 1952a:46 (in revision of *Cerceris* of France), 1953g:121 (Morocco: Fez); Hertzog, 1954:100 (France: Bouches-du-Rhône: Camargue); Ceballos, 1956:368 (in catalog of Hymenoptera of Spain); Morel, Nouvel, and Ribaut, 1956:337 (France: Département des Pyrénées-Orientales); Diniz, 1959:28 (Portugal: Lisboa, Vale de Gaio); Suárez, 1959:54 (Spain: Almería Province); de Beaumont, 1962b:20 (Spain); Ceballos, 1964:88, 89 (in supplement to catalog of Spanish Sphecidae); Diniz, 1966:7 (Portugal: Aljustrel, Caparica, Coimbra, Évora, Lisboa, Portimão); Balthasar, 1972:399 (in Sphecid Fauna of Czechoslovakia: may be expected in the country); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Gayubo, 1982e:110 (Spain: Cádiz Province), 1983e:238 (Spain: Salamanca Province); Gayubo, 1986a:67 (Spain: Ciudad Real Province); Gayubo and Sanza, 1986:87 (Spain: Burgos); Gayubo and Tormos, 1986a:19 (Spain: Castellón de la Plana); Asís and Jiménez, 1988:276 (Spain: Castellón Province): Cross, 2022:139 (Portugal and Spain: preying on braconids).

As *Cerceris subimpressa*: Shestakov *in* Nadig, 1933:98 (Morocco: El Hajeb), corrected to *Cerceris iberica* by de Beaumont, 1951f:316; Deleurance, 1946b:67 (France: Bouche-du-Rhône: Camargue: Bois des Rièges), present correction.

Cerceris ibericella Leclercq, 1979:34. Substitute name for *Cerceris iberica* Schletterer, 1889. – Gayubo, 1984c:383 (Portugal: El Algarve Province); Gayubo, Asís, and Tormos, 1990b:80 (Spain: Granada Province); Gayubo and Torres, 1991:Table I (Spain: Salamanca; effects of urban pressure); Torregrosa, Gayubo, Tormos, and Asís, 1993:21 (Spain: Alicante Province); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:344 (in Sphecid Fauna of Western Europe); K. Schmidt, 2000:163 (in revision of Western Palearctic *Cerceris*); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); González, Gayubo, Asís, and Tormos, 2009:625 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park); Cruz-Sánchez, Asís, Gayubo, Tormos, and González, 2011:500 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park: effects of wildfire), 501 (exclusive species of burned areas); Dollfuss, 2018:1148 (Spain: Ubrique 5 km north of Cadiz); Cross, Baldock, and Wood, 2021:65 (in catalog of Sphecidae *sensu lato* of Portugal); Dollfuss, 2021c:599 (Spain: Gerona: 15 km southeast of Figueres at 42°11'N 3°07'E); Malash, Edmardash, and Gadallah, 2022:24 (in catalog of Middle Eastern and North African Philanthinae); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:253 (in revision of Sphecidae *sensu lato* of Europe).

379. *icta* Shestakov

Cerceris icta Shestakov, 1918a:135, ♀. Holotype or syntypes: ♀, Uzbekistan: Kyzil Kum Desert: Burulbai (ZIN). – Shestakov, 1923:102, 104 (in key to subgenus *Apiraptrix*, bibliographic reference, distribution); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Kazenas, 1984a:44 (in revision of *Cerceris* of Kazakhstan and Central Asia); Kazenas, 2001b:56 (in checklist of Sphecidae of Kazakhstan and Central Asia); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

380. *iliensis* Kazenas

Cerceris iliensis Kazenas, 1972b:132, ♀, ♂. Holotype: ♀, Kazakhstan: Alma-Ata Oblast': Ili (V.L. Kazenas coll. or ZIN?). – R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Kazenas, 1978b:62, 64 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:113 (in revision of *Cerceris* of Kazakhstan and

Central Asia); Esenbekova and Kazenas, 2000:76 (southeastern Kazakhstan: 70 km northwest of Kapchagay on Ili River, near Masak); Kazenas, 2001b:56 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:113, 115 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:146 (geographic distribution, collecting localities in Kazakhstan), 2008a:107 (southeastern Kazakhstan: Ili River valley: near Bakanas, near Kapchagay, 35-70 km northwest of Kapchagay, Lepsy, near Masak), 2013b:500 (southeastern Kazakhstan: near Masak in Ili River valley); Dollfuss, 2018:1148 (Kazakhstan: 70 m northwest of Kapchagay), 2021a:943 (Afleatum at 41.6° N 71.6°E, and Chagir 40 km south of Arys', at 42.2°N 68.8'°E).

381. *illustris* Arnold

Cerceris illustris Arnold, 1931:158, ♀, ♂. Lectotype: ♀, Zimbabwe: Penkridge (SAM), designated by Empey, 1983:174. – Arnold, 1931:137, 146 (in key to Afrotropical *Cerceris*); Empey, 1969a:310 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Empey, 1983:174 (bibliographic reference, type examined); Hancock, Chahwanda, and Mhlanga, 1995:37 (paralectotypes in Bulawayo Museum); Dollfuss, 2020a:98 (Ghana: Eastern Senchi: north of Kpong; Zambia: 130 km west of Solwezi; Zimbabwe: 30 km west of Harare).

382. *imitator* F. Smith

Cerceris imitator F. Smith, 1856:458, ♂. Holotype or syntypes: ♂, Brazil: Pará: Santarém (BMNH). – Schletterer, 1887:494 (in checklist of world *Cerceris*); Dalla Torre, 1897:463 (in catalog of world Hymenoptera); Poulton, 1918:xxxvii (Brazil, prey); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Fritz, 1979:4 (synonymy, redescription); Amarante, 2002:59 (in catalog of Neotropical Crabronidae).

Cerceris imitatrix W. Schulz, 1906:195. Unjustified emendation of *Cerceris imitator* F. Smith.

Cerceris guarani Strand, 1910a:134, ♀. Holotype: ♀, Paraguay: Asunción (ZMHU). Synonymized with *Cerceris binodis* by Fritz, 1970:159, and with *Cerceris imitator* by Fritz, 1979:4. – Not listed by R. Bohart and Menke, 1976; Strand, 1927:253 (in list of species described by author); Amarante, 2005a:12 (correction to his 2002 catalog).

Cerceris transversalis Brèthes, 1910a:274, ♂. Holotype: ♂, Argentina: no specific locality (MACN). Synonymized with *Cerceris imitator* by Fritz, 1979:4. – Fritz, 1968b:168 (study of holotype); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Genise, 1990:26 (type material in MACN).

383. *impercepta* de Beaumont

Cerceris impercepta de Beaumont, 1950c:325, ♀. Holotype: ♀, Hungary: no specific locality (NHMW). – de Beaumont, 1957d:332 (diagnostic characters); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Pulawski, 1978:194 (in key to Sphecidae of European part of USSR); Kazenas, 1984a:127 (in revision of *Cerceris* of Kazakhstan and Central Asia); Dollfuss, 1987:24 (first record from Austria: Niederösterreich: Hundsheim); Dollfuss, 1989:8 (holotype in NHMW); Pádr *in* Šedivy, 1989a:166 (in checklist of Czechoslovakian Sphecidae); Dollfuss, 1991:221 (in key to Sphecidae of North and Central Europe); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:345 (in Sphecid Fauna of Western Europe); K. Schmidt, 2000:67 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:56 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:114 (in key to *Cerceris* of Kazakhstan and Central Asia); Mazzucco, 2001:193, 203 (Austria: Niederösterreich: Steinfeld); Gusenleitner, 2002:1125 (Austria: Niederösterreich: Hadersdorf am Kamp); Kazenas, 2002a:146 (geographic distribution, collecting localities in Kazakhstan); Gorobchishin, 2006:150 (Ukraine: village Khotov near Kyiv); Baghirov, 2010:679 (Russia: Altai Territories: village Savvushka), 2011b:154 (Russia: Altayskiy Kray: Savvushka); Haris, 2016:29 (in list of species described by J. de Beaumont from Carpathian Basin); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia); Dollfuss, 2021c:600 (Georgia: east of Tbilisi and south of Sagarejo); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:254 (in revision of Sphecidae *sensu lato* of Europe).

As *Cerceris bucculata*: Schletterer, 1887:438 (in revision of Palearctic *Cerceris*), corrected to *Cerceris impercepta* by de Beaumont, 1950c:325, 1951b:177.

384. *imperialis* de Saussure

Cerceris imperialis de Saussure, 1867:98, ♀, ♂ Lectotype: ♀, Mexico: Sierra Madre Oriental: no specific locality (MHNG), designated by Scullen, 1961:47. – Schletterer, 1887:494 (in checklist of world *Cerceris*); Cameron, 1890a:122 (Mexico: Guerrero: Acapulco); Dalla Torre, 1897:463 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Scullen, 1972:84 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); G. Ferguson, 1984c:484 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

Cerceris exsecta F. Smith, 1873c:410, ♀, ♂. Lectotype: ♀, Mexico: no specific locality (BMNH), designated by G. Ferguson, 1984b:434. Synonymized with *Cerceris imperialis* by Cameron, 1890a:123 and Scullen, 1961:47. – Schletterer, 1887:491 (in checklist of world *Cerceris*); Cameron, 1890a:123 (bibliographic reference); Dalla Torre, 1897:459 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Kohl, 1916:111 (specimens in O. Radoszkowski collection, Kraków).

Cerceris pilosa Cameron, 1890a:128, ♂. Holotype or syntypes: ♂, Guatemala: San Gerónimo (BMNH). Synonymized with *Cerceris imperialis* by Scullen, 1961:47. – Dalla Torre, 1897:470 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae).

385. *inara* de Beaumont

Cerceris inara de Beaumont, 1967a:289, ♀, ♂. Holotype: ♀, Turkey: Mersin: Mut (originally M. Schwarz coll., now Biologiezentrum, Linz, Austria). – R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); K. Schmidt, 2000:127 (in revision of Western Palearctic *Cerceris*); Ljubomirov and Yildirim, 2008:143 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces), 19 (is an endemic of Turkey); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:23 (Turkey: Erzurum and Kars provinces); Dollfuss, 2018:1149 (locality records from Turkey), 2021a:943 (Turkey: Antakya); 2021c:600 (Turkey: six localities); Kaplan and Yildirim, 2021:96 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:24 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

386. *inconspicua* Arnold

Cerceris inconspicua Arnold, 1931:166, ♀. Holotype: ♀, Malawi: Chiromo (BMNH). – Arnold, 1931:143 (in key to Afrotropical *Cerceris*), 1942:9 (Zimbabwe, description of ♂); Empey, 1969a:310 (in checklist of Afrotropical *Cerceris*, Transvaal, now Gauteng, Limpopo, and Mpumalanga provinces); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Empey, 1983:174 (bibliographic reference, type examined); Dollfuss, 2020a:98 (locality records from Kenya, Namibia, and Zimbabwe).

387. *indica* (Thunberg)

Philanthus indicus Thunberg, 1815a:135, sex not stated. Holotype or syntypes: India: no specific locality (Uppsala). – Thunberg, 1815a:128 (diagnostic characters), 1815b:288 (diagnostic characters), 293 ("habitat in India Orientali"); Dalla Torre, 1897:487 (in catalog of world Hymenoptera). – **As *Cerceris indica***: W. Schulz, 1912:70 (new generic assignment); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae).

388. *inexorabilis* R. Turner

Cerceris inexorabilis R. Turner, 1912e:500, ♀. Holotype or syntypes: ♀, Pakistan: Karachi (BMNH). – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae).

389. *inexpectata* R. Turner

Cerceris inexpectata R. Turner, 1908:469, ♀. Holotype or syntypes: ♀, Australia: Queensland: Mackay (BMNH). – R. Turner, 1910b:421 (in key to *Cerceris* of Australia), 1912d:665 (in key to *Cerceris* of Australia), 674 (in revision of *Cerceris* of Australia); Tsuneki, 1968e:3 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Evans, 1982a:324 (in revision of Eastern Australian *Cerceris*); Cardale, 1985:299 (in catalog of Australian Sphecidae).

390. *infumata* Maidl

Cerceris infumata Maidl, 1926:233, ♀. Holotype: ♀, Indonesia: Sulawesi: Menado (NHMW). – R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae).

391. *iniqua* Kohl

Cerceris iniqua Kohl, 1894:288, ♀. Lectotype: ♀, Sierra Leone: no specific locality (Inst. Roy. Sci. Nat. Belgique), designated by Empey, 1983:174 (Article 74.6). – Dalla Torre, 1897:463 (in catalog of world Hymenoptera); Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:138, 146 (in key to Afrotropical *Cerceris*), 1951:110 (Ethiopia: Lekempti); Leclercq, 1962a:397 (Tanzania: Uluguru Mountains, also Rwanda, Zaire, Zambia; prey: *Amphismenus convexus* Hustache, a curculionid; comparison with *Cerceris purpurea*); Empey, 1969a:310 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Empey, 1983:174 (bibliographic reference, type examined, as *iniqua iniqua*); Dollfuss, 2020a:98 (locality records from Kenya, South Africa, and Togo).

ssp. *arida* Arnold

Cerceris arida Arnold, 1931:163, ♀. Holotype: ♀, Nigeria: Zungeru (BMNH). – Arnold, 1931:139 (in key to Afrotropical *Cerceris*), 1935b:6 and 9 (Mauritania: Nema). – **As *Cerceris iniqua arida***: Empey, 1969a:310 (new status, in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Empey, 1983:174 (bibliographic reference, type examined); Dollfuss, 2020a:98 (Mali: Kati 25 km north of Bamako).

ssp. *cratocephala* Cameron

Cerceris cratocephala Cameron, 1908a:275, ♀. Holotype: ♀, Tanzania: Mount Kilimanjaro: Kibonoto (NRS). – Brauns, 1926:333 (in revision of Afrotropical *Cerceris*); Arnold, 1931:149 (*Cerceris cratocephala* is a color variety of *iniqua*); Scott *in* Arnold, 1933a:369 (Ethiopia: Harar District and Higo Samula). – **As *Cerceris iniqua* race *cratocephala***: Arnold, 1930:12 (new status, in checklist of Afrotropical Sphecidae). – **As *Cerceris iniqua cratocephala***: Empey, 1969a:311 (new status, in checklist of Afrotropical *Cerceris*), 1974:105 (description of ♂); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Empey, 1983:174 (bibliographic reference, type examined); Dollfuss, 2020a:99 (locality records from Kenya and Zimbabwe).

As *Cerceris yalensis* (♂ only): R. Turner, 1912:744, corrected to *Cerceris cratocephala* by R. Turner, 1918a:91.

ssp. *deceptrix* Brauns

Cerceris cratocephala var. *deceptrix* Brauns, 1926:334, ♀. Holotype: ♀, Zimbabwe: Salisbury, now Harare (TMP). – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:149 (*Cerceris deceptrix* is a color variety of *iniqua*). – **As *Cerceris iniqua deceptrix***: Empey, 1969a:311 (new status, in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Empey, 1983:175 (bibliographic reference, unnecessary designation of lectotype).

ssp. *libitina* Brauns

Cerceris cratocephala forma *libitina* Brauns, 1926:335, ♀. Holotype: ♀, South Africa: KwaZulu-Natal: Durban (TMP). – Arnold, 1931:149 (*Cerceris libitina* is a color variety of *iniqua*). – **As *Cerceris iniqua* var. *libitina***: Arnold, 1930:12 (new status, in checklist of Afrotropical Sphecidae). – **As *Cerceris iniqua libitina***: Empey, 1969a:311 (new status, in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Empey, 1983:175 (bibliographic reference, unnecessary designation of lectotype).

392. *insignita* Arnold

Cerceris insignita Arnold, 1951:104, ♂. Holotype: ♂, Ethiopia: Moggio (BMNH). – Empey, 1969a:311 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Empey, 1983:175 (bibliographic reference, type examined).

Cerceris insignita var. *opulenta* Arnold, 1951:105, ♂, junior primary homonym of *Cerceris opulenta* Morice, 1911, and of *Cerceris opulenta* R. Turner, 1912. Holotype: ♂, Ethiopia: Moggio (BMNH). Synonymized with *Cerceris insignita* by Empey, 1969a:311.

393. *insolita* Cresson

Cerceris insolita Cresson, 1865c:129, ♂. Holotype: ♂, USA: Illinois: no specific locality (ANSP). – Packard, 1866:60 (in key to North American *Cerceris*, as *insolitus*), 63 (bibliographic reference, geographic distribution); Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:494 (in checklist of world *Cerceris*); Dalla Torre, 1897:463 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); H. Smith, 1908b:370 (in revision of Nebraskan Sphecidae); Banks, 1912:23 (in revision of eastern U.S. *Cerceris*); Cresson, 1916:100 (holotype in ANSP); Mickel, 1918b:451 (in catalog of Nebraskan Sphecidae); Brimley, 1938:448 (North Carolina: Cruso, Kingsboro, Marion, Overhills, Raleigh); Banks, 1947:15 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1008 (in catalog of North American Hymenoptera); Krombein, 1963f:277 (Maryland: Plummers Island near Washington, D.C.), 1964b:119 (chrysomelid prey); Scullen, 1965b:445 (in revision of North American *Cerceris*, as *insolita insolita*); Tsuneki, 1965d:4 (prey record summary: Chrysomelidae); Scullen, 1972:62 (in revision of Mexican and Central American *Cerceris*, as *insolita insolita*); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Krombein, 1979b:1735 (in catalog of North American Hymenoptera, nesting sites, prey); G. Ferguson, 1984c:484 (in annotated list of North American and Caribbean *Cerceris*); Ahlstrom, 1995:114 (in checklist of insects of North Carolina); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Buck, 2004:28 (in checklist of Crabronidae of Ontario, Canada), 31 (distribution within Ontario), 73 (first record from Canada: Ontario: Windsor); Buck, Paiero, and Marshall, 2006:45, 47 (in key to eastern Canadian *Cerceris*); Dollfuss 2021b:573 (Florida: Okaloosa County: Blackwater River north of Holt); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Ontario, first record from Quebec: no specific locality).

Cerceris intractibilis Mickel, 1916:411, ♀. Holotype: ♀, USA: Nebraska: Child's Point (UNL). Synonymized with *Cerceris insolita* by Scullen, 1962:58. – Mickel, 1918b:451 (in catalog of Nebraskan Sphecidae); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1008 (in catalog of North American Hymenoptera); Muma, 1952:17 (holotype in UNL).

Cerceris insolita albida Scullen, 1965b:447, ♀, ♂. Holotype: ♀, USA, New Mexico: Las Cruces (USNM). Synonymized with *Cerceris insolita* by G. Ferguson, 1984c:484. – Scullen, 1972:62 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Krombein, 1979b:1735 (in catalog of North American Hymenoptera); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

Cerceris insolita atrafemori Scullen, 1965b:448, ♀. Holotype: ♀, USA: Arizona: Phoenix (USNM). Synonymized with *Cerceris insolita* by G. Ferguson, 1984c:484. – R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Krombein, 1979b:1735 (in catalog of North American Hymenoptera); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

394. *integra* F. Morawitz

Cerceris integra F. Morawitz, 1894:350, ♀. Syntypes: ♀, Turkmenistan: Serax (ZIN). – Dalla Torre, 1897:463 (in catalog of world Hymenoptera); Shestakov, 1914b:408 (Kazakhstan: Island of Barsa Kelmes in Aral Lake, Kazalinsk), 411 (description of ♂), 1918a:137 (Transcaspia); Myartseva, 1963b:61 (Turkmenistan: lower Murgab River), 1965:94 (Turkmenistan: Akibay, Murgab district, Bayram-Ali district, Seraks, Kopet-Dagh, Chuli); Kazenas, 1972b:132 (Kazakhstan), 1974b:109 (feeding on flowers of *Tamarix* sp., Tamaricaceae, *Statice gmelini* Willd., Plumbaginaceae, and *Euphorbia* spp., Euphorbiaceae, in Kazakhstan), 110 (feeding on flowers of *Daucus carota* L., Apiaceae, in Kazakhstan); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Kazenas, 1978b:58, 59 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:67 (in revision of *Cerceris* of Kazakhstan and Central Asia), 1992c:29 (Turkmenistan: Repetek Nature Reserve); Nazarova and Shomirsaidov, 1997:24 (Tajikistan: fruit tree orchards in Vakhsh River valley); Esenbekova and Kazenas, 2000:76 (southeastern Kazakhstan: 1 km west and 3 km northeast of Borandysu, 30 km east and 10 km northwest of Chundzha); K. Schmidt, 2000:87 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:56 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:111 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:146 (geographic distribution, collecting localities in Kazakhstan), 2004d:37 (Kazakhstan: Khar'kino); Nazarova, 2005:94 (alfalfa fields in southwestern Tajikistan); Kazenas, 2013a:145 (color photograph of adult wasp, short information on geographic distribution and nesting habits), 2013b:500 (southeastern Kazakhstan: 30-35 km east of Chilik, 10 km northwest and 30 km east of Chundzha, Kurtogay on Sharyn River); Dollfuss, 2018:1149 (locality records from Armenia, Iran, Kazakhstan, Tajikistan, Turkmenistan, and Uzbekistan); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:17 (Iran: known from Kerman Province); Dollfuss, 2021a:943 (locality records from Iran, Kazakhstan, and Montenegro: Przno), 2021c:600 (locality records from Armenia, Iran, Kazakhstan, Tajikistan, Turkmenistan, and Uzbekistan); Malash, Edmardash, and Gadallah, 2022:24 (in catalog of Middle Eastern and North African Philanthinae); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

As *Cerceris vagans*: Radoszkowski, 1877:61 (Transcaspia), partly, corrected to *Cerceris integra* by Shestakov, 1918a:161.

As *Cerceris variabilis* (partly): Radoszkowski, 1877:63 (Uzbekistan), corrected to *Cerceris integra* by Shestakov, 1918a:161.

395. *interrupta* (Panzer)

Crabro labiatus Fabricius, 1793:296, sex not stated, junior primary homonym of *Crabro labiatus* Olivier, 1792. Lectotype: ♀, Germany: no specific locality (ZMUC), designated by van der Vecht, 1961a:64. – **As *Philanthus labiatus***: Fabricius, 1804:303 (new generic assignment, redescription); Jurine, 1807:202 (in checklist of European *Philanthus*); Thunberg, 1815b:289 (diagnostic characters), 297 (redescription); Dahlbom, 1845:XXIV (study of specimens in collection Fabricius); Peets, 1909-1911:68 (*Philanthus labiatus* of Panzer = *Cerceris labiata*, now *ruficornis*). – **As *Cerceris labiata***: Spinola, 1806:99 (new generic assignment, as synonym of *Cerceris interrupta*); Kirchner, 1867:221 (in catalog of European Hymenoptera).

Philanthus interruptus Panzer, 1799, Heft 63:17, [♀]. Holotype or syntypes: ♀, Austria: Viennae = Wien (depository?). Synonymized with *Philanthus labiatus* (Fabricius, 1793) by Panzer, 1806:174 and with *Crabro labiatus* Fabricius, 1793 by van der Vecht, 1961a:64. – Peets, 1909-1911:68 (*Philanthus interuptus* of Panzer = *Cerceris interrupta*); Haris, 2016:11 (in list of species described by G. Panzer from Carpathian Basin). – **As *Cerceris interrupta***: Spinola, 1806:99 (new generic assignment; Italy: Liguria); Vander Linden,

1829:115 (bibliographic references, Germany, taxonomic history); Shuckard, 1837a:238 (in revision of British Aculeata); von Siebold, 1839:52 (Germany: Danzig, now Poland: Gdańsk); Herrich-Schaeffer, 1840:296 (Germany: Bayern: Regensburg area); Dahlbom, 1842a:16 (in review of Scandinavian aculeates), 1844:210 (in revision of Sphecidae and Pompilidae), 1845:501 (in key to world *Cerceris*); Lepeletier de Saint Fargeau, 1845:7 (in revision of world Hymenoptera); Eversmann, 1849:405 (Russia: between Ural Mountains and Volga); von Kiesenwetter, 1849:89 (Germany: Kingdom of Saxony: Dresden); F. Smith, 1851c:42 (Great Britain: Kent: Erith, Birch Wood; Surrey: Weybridge); Kirschbaum, 1853:46 (Germany: Herzogtum Nassau: Mainz-Mombach); F. Smith, 1853:65 (in checklist of British Hymenoptera), 1856:437 (in catalog of Hymenoptera in British Museum); Ruthe and Stein, 1857:314 (Germany: Berlin area); Schenck, 1857:150 (Germany: in revision of fossorial wasps of Nassau Region); Taschenberg, 1858 (Germany); Schenck, 1860:147 (Germany: Nassau Region); Brischke, 1862:102 (Germany: Preussen Province, now Poland: Pomorze Region); A. Costa, 1863:66 (Italy: Calabria Ulteriore: Brancaleone); Funk, 1864:156 (Germany: Bayern: Bamberg, as *interrupta* Linden); Taschenberg, 1866:191 (in revision of Hymenoptera of Germany); A. Costa, 1867c:84 (in revision of Italian Sphecidae); Jaennicke, 1867:147 (Germany: Hessen: Frankfurt area); Kirchner, 1867:221 (in catalog of European Hymenoptera); Schenck, 1867a:354 (Germany: Nassau Region); Jaennicke, 1868:9 (Germany: Hessen: Rüsselssheim); Wierzejski, 1868:117 (Ukraine: L'viv); A. Costa, 1869b:100 (in revision of Italian Sphecidae); Radoszkowski, 1870:102 (synonyms listed); von Aichinger, 1870:317 (Austria: Tirol); A. Costa, 1872a:16 (Italy: in revision of Sphecidae of Kingdom of Naples); P. Ivanov, 1872:152 (Ukraine: Kharkov Oblast': Kupyansk area); Dours, 1874:143 (in catalog of Hymenoptera of France); Wierzejski, 1874:260 (Ukraine: L'viv and Podole Region: Kalinowce; determination tentatiave); Marquet, 1875:204 (France: Haute-Garonne: Toulouse); Becker, 1880:151 (Russia: Sarepta, now Krasnoarmeysk south of Volgograd); Kohl, 1880:166 (Austria: Tirol, and Italy: Trentino–Alto Adige); Marquet, 1881:190 (southern France, as *interrupta* Shuckard); Yaroshevskiy, 1881:123 (Ukraine: Khar'kiv Oblast': Kupyansk); Friese, 1883:201 (Germany: Sachsen-Anhalt: Kösen; Thüringen; Gumperda); Kohl, 1883e:664 (Switzerland); Schletterer, 1887:433 (in revision of Palearctic *Cerceris*; *dufouri* incorrectly regarded as synonym of *interrupta*), 494 (in checklist of world *Cerceris*); Brischke, 1888b:98 (Germany: Preussen Province, now Poland: Pomorze Region); Kohl, 1888b:727 (Austria: Tirol, now Italy: Alto Adige); Ed. André, 1889:304 (in revision of Sphecidae of Europe and Algeria), 22* (bibliographic references); Schletterer, 1889a:901 (diagnostic character, faunal records); Steck, 1890:169, 170 (in key to *Cerceris* of Switzerland); F. Morawitz, 1891a:217 (Russia: Astrakhan' Governorate); Kohl, 1893a:34 (Austria: Niederösterreich); Krieger, 1894:12 (Germany: Kingdom of Saxony); E. Saunders, 1896:120 (in revision of British Aculeata); Acloque, 1897:81 (in Sphecid Fauna of France and Algeria, as *interrupta* Vander Linden); Dalla Torre, 1897:463 (in catalog of world Hymenoptera); Mocsáry, 1897:80 (Kingdom of Hungary, some localities are in today's Croatia, Romania, and Slovakia); Dominique, 1901a:505 (France: Loire-Inférieure, now Loire-Atlantique: Sainte-Marie-de-Pornic); Hocking, 1901:68 (Great Britain: Surrey county); de Cobelli, 1903:110 (Italy: Province of Trentino: Caldonazzo, Vallunga); Antiga and Bofill, 1904:21 (Spain: Cataluña Province); W. Schulz, 1904b:93 (Greece: Island of Corfu); Schmiedeknecht, 1907:239, 243 (in key to Hymenoptera of Central Europe); de Gaulle, 1908:104 (in catalog of French Hymenoptera); Šustera, 1909:35 (Czech Republic: vicinity of Praha); Dittrich, 1911b:25 (Germany: Niederschlesien Province, now Poland: Dolny Śląsk Region); Graeffe, 1911:48 (Italy: Trieste area); Birula, 1912:545 (Ukraine: Zhytomyr Oblast': Radomyshl'); nec Matsumura, 1912:168 (= *Cerceris japonica*); Schirmer, 1912:168 (Germany: Berlin area); Kohl, 1913b:15 (Russia: Voronezh Oblast': Valuyki at 50°14'N 38°08'E); Torka, 1913:35 (Germany: Provinz Posen, now Poland: Poznań Region); Mercet, 1914:445 (recorded from Spain), 450 (in revision of Spanish Philanthinae); Shestakov, 1916:234 (Russia: Stavropol' area), 1917c:49 (Ukraine: Crimea: Kerch); A. Wagner, 1920:39 (Germany: Lower Elbe region, not found but can be expected); Dubois, 1922:210, 211 (in key to Belgian Sphecidae); Hedicke, 1922:271 (Germany: Brandenburg: Gross Machnower Weinberg); Maidl, 1922:68 (Croatia); Shestakov, 1922:82

(Russia: Stavropol' area); R. Perkins, 1924:229 (Great Britain: Devon); Berland, 1925d:60 (in Sphecid Fauna of France); Coulon, 1925:116 (France: Elbeuf, Forêt de la Londe); Lauterborn, 1925:355 (Germany: Baden-Württemberg: Kaiserstuhl); Schütze, 1925:113 (Germany: Lausitz Region: Lömischau, Oßling); Strohm, 1925:212 (Germany: Baden-Württemberg: Wasenweiler in Kaiserstuhl); Chevalier, 1926c:70 and 1927:103 (France: Chatou); Shestakov, 1927a:7 (Russia: Kursk Oblast'), 9 (Ukraine: Lubni area in Poltava Oblast'), 10 (Poltava Oblast'), 11 (Ukraine: Odessa Oblast'), 17 (Russia: Orenburg Oblast'), 19 (Russia: Stalingrad Oblast', now Volgograd Oblast'), 19 (Russia: Ural'sk Oblast', now Kazakhstan: Oral Oblast'); Bouwman, 1928a:361 (in revision of Sphecidae of Netherlands); Vorontsovskiy, 1928:43 (Russia: vicinity of Orenburg); Schmiedeknecht, 1930:700, 704 (in keys to Hymenoptera of North and Central Europe); Vorontsovskiy, 1930:64 (Russia: Orenburg Oblast'); Bischoff, 1931:9 (Spain); Spooner, 1931:15 (Great Britain: Cambridgeshire); Bondroit, 1932:38 (Belgium: recorded from Bruxelles area by Wesmael); K. Strohm, 1933:338 (Germany: Baden-Württemberg: Kaiserstuhl); Grandi, 1934:130 (Italy: Lazio: Acilia); Bernard, 1935:63 (France: Var: Fréjus area); Marchand and Dulac, 1935:61 (France: Saône-et-Loire: Saint Laurent d'Andenay); Minkiewicz, 1935:196 (Poland: Kazimierz on Wisła at 51°20'N 21°58'E); Drogoszewski, 1936:130 (Poland: Łowicz); Dulac, 1937:9 (France: Saône-et-Loire: Saint-Laurent d'Andenay); Pattri, 1936:113 (Germany: Hessen: Darmstadt area, on sandy habitats); Goebel, 1937:47 (Poland: Poznań District: Poznań-Dębina, Strzeszyn, Strzeszynek); Kolosov, 1937:219 (Ukraine: Kupyansk); Zavadil, Šustera, and Bat'a, 1937:209 (in catalog of Sphecidae of Czechoslovakia); Molitor, 1938:439 (color recognition); A. Wagner, 1938a:123 (northwestern Germany); Móczár, 1939:5 (Hungary: Jászberény); Dovnar-Zapolskiy, 1940:304 (Russia: Kursk Oblast'); Giner Marí, 1941a:79 (in revision of Spanish *Cerceris*); Paul, 1941:48 (Germany: Pommern: Stettin area, now Poland: Województwo Zachodniopomorskie: Szczecin area); Giner Marí, 1943a:106 (in Sphecid Fauna of Spain); Guiglia, 1944b:14 (Italy); Balthasar, 1948:143 (Slovakia: Kovačov, Parkan); Šnoflák *in* Zavadil and Šnoflák, 1948:89, 97 (in key to Sphecidae of Czechoslovakia); Georgel, 1950:63 (France: Seine-et-Oise: Sucy-en-Brie); Szulczewski, 1950:106 (Poland: Wielkopolski National Park 15 km south of Poznań); de Beaumont, 1952a:64 (in revision of *Cerceris* of France); Cleu, 1953:50 (France: Ardèche River basin); Głowacki, 1953:520 (Poland: Podkowa Leśna near Warszawa); Heldmann, 1953:112 (Germany: Hessen: Eberstädter Düne near Darmstadt); Nouvel and Ribaut, 1953:177 (France: Haute-Garonne: Saint-Béat); Bischoff and Stadler, 1954:127 (Germany: Bayern: Romberg); de Beaumont, 1954e:87 (Italy); Steiner, 1955:137 (France: Dordogne); Vergne, 1955:4 (France: Auvergne); Vogrin, 1955:33 (Yugoslavia); Bajári, 1956a:83 (in catalog of Hungarian *Cerceris*, with collecting localities); Ceballos, 1956:369 (in catalog of Hymenoptera of Spain); Leclercq, 1956g:325 (Greece, as *interrupta interrupta*); Bajári, 1957a:35, 43 (in key to Hungarian Sphecidae); Zirngiebl, 1957:184 (Germany: Rheinland-Pfalz: Pfalz region); Benno, 1958b:11 (in review of Dutch Sphecidae); van der Zanden, 1958b:90 (France: Pyrénées-Orientales: Saillagouse); de Beaumont, 1959a:15 (Italy); Olberg, 1959:53 (photograph of *Laphria gibbosa*, an asilid, devouring *Cerceris interrupta*); Wolf, 1959b:32 (Germany: Nassau); Noskiewicz and Puławski, 1960:76. 79 (in key to Polish Sphecidae); Wengris, 1962:204 (Lithuania: Vilnius area); de Beaumont, 1964c:40 (in Sphecid Fauna of Switzerland), 1965a:21 (Greece); Tsuneki, 1965d:3 (prey record summary: Curculionidae); Benno, 1967:35 (in checklist of Sphecidae of Netherlands); de Beaumont, 1967a:287 (Turkey); Gauss, 1967:551 (Germany: Baden-Württemberg); J. Heinrich, 1967:71 (Germany: Bayern: Unterfranken District); Miczulski, 1967:189 (Poland: Sławin near Lublin); Niedl and Deneš, 1967:85 (Czech Republic: Třeboň area); Scobiola-Palade, 1967b:41 (Romania); Benedek, 1968:71 (Hungary, floral records); Romanova, 1969:133 (Russia: North Caucasus); Oehlke, 1970:682 (Democratic Germany); Schmidt, 1971b:27 (Germany: Rheinland-Pfalz: Mainz area); Scobiola-Palade, 1971:205 (in review of *Cerceris* of Romania); Atanassov, 1972a:192 (Bulgaria: Stara Planina Mountains), 1972b:32, 48, 49 (Bulgaria: Stara Planina Mountains); Balthasar, 1972:407 (in Sphecid Fauna of Czechoslovakia); Kazenas, 1972b:128 (Kazakhstan), 1974b:110 (feeding on flowers *Silaum besseri* L., Apiaceae, and *Achillea millefolium* L., Asteraceae, in

Kazakhstan); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Kolesnikov, 1977:317 (Russia: Bryansk Oblast'); Kazenas, 1978b:63, 67 (in key to Sphecidae of Kazakhstan and Central Asia); Marion, 1978:86 (France: Nièvre Department); Pulawski, 1978:194, 196 (in key to Sphecidae of European part of USSR); Benedek, 1979:229 (Hungary: Bakony Hills); Lefeber, 1979:11 (in checklist of Sphecidae of Netherlands), 25 (Netherlands: distribution map); Schmidt, 1979b:301 (Germany: Baden-Württemberg); Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino); Dathe, 1980:208 (Russia: northern Caucasus: Teberda); Mityaev, Matesova, Kulenova, Kazenas, and Zhdanko, 1980:121 (Russia: Siberia: Altayskiy Kray: basin of Aley River); Pagliano, 1980:126 (Italy: Trentino Alto Adige); Donath, 1982:212 (Germany: Cottbus Bezirk); Skibińska, 1982:123 (Poland: Warszawa area); Dollfuss, 1983b:25 (in catalog of Sphecidae of Austria); Schmidt and Westrich, 1983:125 (Greece); Kazenas, 1984a:145 (in revision of *Cerceris* of Kazakhstan and Central Asia); Józan, 1985b:62 (Hungary: Kaposvár: Cser), 82 (floral records), 85 (ecological and zoogeographic characteristics); Scobiola-Palade, 1985:96 (Romania: delta of Danube); Westrich and Schmidt, 1985b:110 (Germany: endangered in Baden-Württemberg); Józan, 1986:375 (Hungary: Kiskunság National Park); Pagliano, 1987:164 and 166 (in key to *Cerceris* of Italy); Schmidt and Westrich, 1987:358 (Germany: Mainz area); Dollfuss, 1988:19, 31 (Austria: Bisamberg near Vienna; Niederösterreich: Oberweiden); Düweke, 1988:688 (Germany: Baden-Württemberg: Kaiserstuhl); Kowalczyk, 1988a:45 (Poland: Rogów), 1988b:64 (Poland: environs of Łódź); Pagliano, 1988:148 (in revision of Italian Philanthinae); Jacobs, 1989:28 (Germany: Mecklenburg-Vorpommern); Pádr *in* Šedivy, 1989a:166 (in checklist of Czechoslovakian Sphecidae); Jacobs and Oehlke, 1990:123 (population regress in Democratic Germany after 1960), 217 (new records from Democratic Germany); Kuznetzova, 1990:18 (Russia: Voronezh Oblast': Galich'ya Gora Nature Reserve); Pagliano, 1990:97 (in catalog of Italian Sphecidae); Day, 1991:xiii (summary of European Endangered Hymenoptera Lists); Dollfuss, 1991:221 (in key to Sphecidae of North and Central Europe); Gayubo, Borsato, and Osella, 1991:421 (Italy); Kowalczyk, 1991a:99, 101 (Poland: Łódź), 1991b:120 (Poland: Augustów Forest); Budrys, 1992:29 (in list of Sphecidae of Lithuania); Delarze, 1992:67 (Switzerland: Valais: Les Follatères); Józan, 1992c:290 (Hungary: Zselic Hills); K. Weber, 1992:86 (Germany: Bayern: Bamberg District, as *interruptus*); Wiśniowski, 1993a:98 (Poland: in checklist of Sphecidae of Białowieża Primeval Forest); Blagoveshchenskaya, 1994:92 (Russia: Ul'yanovsk Oblast'); Dollfuss, 1994:101 (endangered in Austria); Gayubo and Borsato, 1994:222 (Italy: Piemonte); Jansen and Kaluza, 1995:7 (Germany: endangered in Sachsen); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Saure and Dürrenfeld, 1995:29 (Germany: Brandenburg: Gabower Hänge near Bad Freienwalde); Scharrer, 1995:30 (Germany: Bayern: Aschaffenburg, Lohr, Obernau; Slovenia: Portorož); Schmid-Egger, Risch, and Niehuis, 1995:167 (Germany: summary of records from Rheinland-Pfalz); Flügel, 1996:524 (Germany: Freizeitpark Marienfelde south of Berlin); Schmid-Egger, Schmidt, and Doczkal, 1996:376 (Germany: Baden-Württemberg: endangered); Voblenko, Gorobchishin, and Nesterov, 1996:15 (Ukraine: Polesye Region); Witt, 1996:105 (Germany: Brandenburg), 107 (locality records); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:346 (in Sphecid Fauna of Western Europe); Celary, 1997:60 (in checklist of Animals of Poland); Schmidt and Schmid-Egger, 1997:7 (in checklist of German Sphecidae); F. Burger, Saure, and Oehlke, 1998:27 (Germany: in list of Sphecidae of Brandenburg), 35 (endangered); Dollfuss, Gusenleitner, and Bregant, 1998:525 (Austria: summary of collecting records from Burgenland); Flügel, 1998:59 (Germany: Brandenburg: Unteres Odertal National Park); Gorobchishin, 1998a:50 (Ukraine: Kiev and surroundings); Shkuratov, 1998a:97 (Russia: Rostov Oblast'); Pagliano and Scaramozzino, 1999:160 (Italy: Piemonte: Borgomale); Saure, 1999:33 (Germany: Berlin-Köpenick); Tüzün, Gülmez, and Bağriaçik, 1999:386 (Turkey: Aegean Region); Blösch, 2000:419 (in Sphecid Fauna of Germany); Dressler, 2000:31 (Germany: Hessen: Darmstadt area); Esenbekova and Kazenas, 2000:76 (southeastern Kazakhstan: 8 km south, 15 km southwest, and 18-20 km west of Alma Ata, 3 km west of Kamenka, 3-5 km south of Talgar); Gonzáles,

Gayubo, and Tormos, 2000:21 (Andorra: Santa Coloma); Jacobs, 2000:6, 16 (Germany: Land Mecklenburg-Vorpommern: extinct); Józan, 2000:114 (Hungary: Bakony Mountains); Ljubomirov, 2000:13 (Bulgaria, specimens in N. Nedelkov collection); Schmid-Egger, 2000b:275 (Germany: Baden-Württemberg: shores of Rhine River); K. Schmidt, 2000:68 (in revision of Western Palearctic *Cerceris*); Vicidomini, 2000b:23 (Italy: previously recorded from Campania); Cungs and Jakubzik, 2001:122, 123, 124 (first record from Luxemburg); Józan, 2001:281 (Hungary: Somogy County); Kazenas, 2001b:56 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:113, 117 (in key to *Cerceris* of Kazakhstan and Central Asia); Kazenas and Esenbekova, 2001:136 (Kazakhstan: Almatinskiy Nature Reserve); Ohl et al., 2001:137 (distribution in Germany by provinces); Skibińska, 2001:220 (Poland: Białowieża Primeval Forest); Tüzün, 2001:44 (Turkey); Zettel, Gross, and Mazzucco, 2001:81 (Austria: Wien); Józan, 2002:54 (Hungary: Mecsek Mountains); Kazenas, 2002a:147 (geographic distribution, collecting localities in Kazakhstan); Shlyakhtenok and Skibinska, 2002:35 (Belorussia: no specific locality); Drewes, 2003:134 (Italy: Trentino: Termalzo, Torbole); Mandery, Kraus, Voith, Wickl, Scheuchl, Schubert, and Warncke, 2003:63 (Germany: in catalog of wasps and bees of Bayern); Theunert, 2003:240 (Germany: Niedersachsen: Wulfsberg/Lüneburger Heide); Tischendorf and Treiber, 2003:120, 124 (Germany: Hessen: 15 km southwest of Frankfurt am Main: nesting under high power lines); Wickl, Voith, Mandery, Weber, Kraus, Bausenwein, and Blösch, 2003:195 (Germany: Bayern: no longer endangered); Hellrigl, 2004a:172 (Italy: Trentino-Alto Adige, as Südtirol: Vinschgau = Val Venosta: Sankt Martin im Kofel, Tannas); Kazenas, 2004d:37 (Kazakhstan: northern Caspian region); Klein and Lefeber *in* Peeters, van Achterberg, et al., 2004:362 (in Wasp and Ant Fauna of Netherlands); Shkuratov, 2004a:74 (Russia: Rostov Oblast'), 2004b:165 (Russia: Rostov Oblast': Gosudarstvennyi Muzey-Zapovednik M.A. Sholokhova); Skibińska *in* Bogdanowicz, Chudzicka, Pilipiuk, and Skibińska, 2004:355 (in catalog of Polish Crabronidae); Stolle et al., 2004:371 (Germany: Sachsen-Anhalt: in red list of Sphecidae); van Achterberg and Peeters, 2004:32 (in checklist of Sphecidae of Netherlands); Wiśniowski, 2004:52 and 63 (in checklist of Polish Sphecidae); Burger, 2005:31 (Germany: Thüringen); Haeseler, 2005:628 (Germany: Niedersachsen: Steller Heide near Bremen); Kraatz, 2005:102 (Germany: Niedersachsen: Bümmerstede near Oldenburg); Landeck, Wöhler, and Landgraf, 2005:18 (Germany: Lausitz Region; visiting flowers of *Reseda luteola* Linnaeus, Resedaceae); Mandery, 2005:173 (Germany: Bayern: Hainberg Nature Reserve near Nürnberg); Pagliano and Negrisolo, 2005:324 (in Sphecid Fauna of Italy); Reder, 2005:948 (Germany: Rheinland-Pfalz: Eisenberg, Guntersblum, Monsheim, Ingelheim, Sporkenheim); Riemann and Hohmann, 2005:546 (Germany: Niedersachsen: city of Bremen and adjacent area); Saure, 2005:13 (Germany: Berlin); Straka, 2005a:400 (endangered in Czech Republic); Theunert, 2005a:16 (Germany: in checklist of Sphecidae of Niedersachsen and Bremen); Ziska and Saure, 2005:80 (Germany: Berlin: Biesenhorster Sand); Bleidorn and Venne, 2006:65 (Germany: recent extension of geographic distribution to the north); Dathe, 2006:38 (*Crabro labiatus*, recorded from Plauenscher Grund near Dresden, Germany, by von Block, 1799, is now *Cerceris interrupta*); Gorobchishin, 2006:148 (Ukraine: Kyiv Oblast': several localities; Poltava); Liebig, 2006:37 (Germany: Sachsen: Muskauer Heide); Ljubomirov, 2006:538 (Bulgaria and Greece: earlier records from Rhodope Mountains summarized, as *interrupta interrupta*); Baños-Picón, Gayubo, Asís, and González, 2007:257, 259 (Spain: Zamora: Cabañas de Aliste); Burguet, 2007:unnumbered p. 33 (France: Puy-de-Dôme: sands Girauds-Faures in Orléat commune, as *interrupta interrupta*); Cungs, Jakubzik, and Cölln, 2007:139 (Luxemburg: Haardt Nature Reserve); Jacobs, 2007:184, 185, 187 (in key to Crabronidae of Germany); Jansen and Kaluza, 2007:22 (Germany: northwestern Sachsen); Józan, 2007:180 (Hungary: Zselic hills); Kazenas, 2007a:93 (Kazakhstan: Akmala Oblast': Kurgandzhin Nature Reserve and vicinity); Saure, 2007:81 (Germany: in checklist of Aculeata of Brandenburg); Venne, Bleidorn, and Lauterbach, 2007:300 (Germany: Nordrhein-Westfalen: Bielefeld); Vepřek and Straka, 2007:209 (in catalog of Sphecidae of Czech Republic and Slovakia); Danilov, 2008:351 (Russia: Altayskiy Kray: Barnaul area); Danilov and Tshernyshev, 2008:44 (Russia: Novosibirsk Oblast': Karasuk area); Livory, Chevin, Lair, Sagot, and Baldock, 2008:39 (France: Département de la

Manche); Ljubomirov and Yildirim, 2008:144 (in catalog of Crabronidae of Turkey); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia), 2008c:11 (Russia: first record from Altay Kray: Malakhovo); Theunert, 2008:11 (Germany: map of distribution in Niedersachsen and Bremen); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); Kowalczyk, Kurzac, and Nadolski, 2009:62 (Poland: between Warta and Widawka rivers); Nemkov, 2009b:148 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia); Ruchin, Antropov, and Shibayev, 2009:170 (Russia: Republic of Mordovia); Shorenko, 2009:369 (in list of Sphecidae *sensu lato* of Crimea); Szczepko and Wiśniowski, 2009:68 (Poland: Spała Landscape Park); Bitsch, 2010:118 (in supplement to vol. II of Faune de France, 1997: recent record from Luxemburg reported; France: first record from Hautes-Alpes: Chorges); Esser, Fuhrmann, and Venne, 2010:35 (Germany: in checklist of aculeates of Nordrhein-Westfalen); Mokrousov, 2010a:63 (Russia: Tatarstan: no specific localities); Rudoiskatel', 2010:149 (Russia: southern Ural Mountains); Saure, 2010a:87 (Germany: Berlin-Reinickendorf: Baumberge), 2010b:174 (Germany: Berlin-Reinickendorf: airport Tempel and Flughafensee Protected Area); Schmid-Egger, 2010a:14 (in red list of Aculeata of Germany: rare); Shorenko and Konovalov, 2010:28 (Ukraine); van der Smissen, 2010a:333 (Germany: Schleswig-Holstein: Griβheim, Söllingen); Wurdack and Gack, 2010:153 (Germany: Baden-Württemberg: Kaiserstuhl); Baghirov, 2011b:154 (Russia: Altayskiy Kray: Savvushka; Altay Republic: Aktash, Kosh-Agach); Burger, 2011a:286 (Germany: in red list of Sphecidae *sensu lato* of Thüringen); Gogala, 2011:32 (Slovenia); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Saure, 2011a:5 (Germany: Berlin: former airport Tempelhof), 2011c:197 (Germany: Berlin-Spandau: Fort Hahneberg), 2011d:199 (Germany: Sachsen-Anstalt: conservation area "Heide südlich Burg"); Theunert, 2011a:18 (Germany: in checklist of aculeates of Niedersachsen including city of Bremen); Tischendorf, Frommer, Flügel et al., 2011:99 (Germany: Hessen: may be endangered); Ziska and Saure, 2011:108 (Germany: Berlin: Tegeler Flieβ valley); Boillat, 2012:228 (Switzerland: in checklist of insects of Canton de Genève); R. Burger, 2012:32 (Germany: Rheinland-Pfalz: Sandrennbahn near Altrip); Burguet *in* Durand and Burguet, 2012:2 (France: Puy-de-Dôme: sands Girauts-Faures in Orléat commune); Prisniy, 2012:52 (Russia: Belgorod Oblast'); Saure, 2012b:228 (Germany: Berlin-Spandau: Spandauer Forst); Shibayev and Polumordvinov, 2012:278 (Russia: Penza Oblast'); Kazenas, 2013a:146, 147 (color photographs of adult wasps, short information on geographic distribution and nesting habits); Saure, 2013:17 (Berlin: Treptow-Köpenick: Gosener Wiesen); A. Scholz and Liebig, 2013:16 (Germany: Sachsen: in list of Sphecidae *sensu lato*); Shlyakhtenok, 2013:240 (in annotated catalog of aculeate wasps of Belorussia); Wiśniowski and Piotrowski, 2013:20 (Poland: Poleski National Park); Wiśniowski and Szczepko, 2013:25 (Poland: Kampinos National Park near Warszawa); Flügel, 2014:254 (Brandenburg: Hangelsberger Heide); Mokrousov and Vafin, 2014:60 (Russia: Republic of Tatarstan); Pagliano, 2014:104 (specimens in M. Spinola collection, Torino, are *Cerceris interrupta*); Protsenko, Fateryga, and Ivanov, 2014:35 (Crimea: many localities); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Mokrousov and Popov, 2016:591 (Russia: Krasnodarskiy Kray); P. Rosa and Pagliano, 2015:98 (Italy: Lombardia and Piemonte: Parco del Ticino); Saure, 2015:12 (Germany: Berlin-Lichterfelde); A. Scholz, 2016:71 (Germany: Sachsen: Kleinraschützer Heide); Stolle and Saure, 2016:921 (Germany: in list of Sphecidae *sensu lato* of Sachsen-Anhalt); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:23 (Turkey: Erzurum Province, as *interrupta interrupta*); Arens, 2017a:647 (Greece: Peloponnesus); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia); Shorenko, 2017:80 (in Crimea collected in June through Setember); Twerd, Krzyżyński, Waldon-Rudzionek, and Olszewski, 2017:6 (Poland:, Czech Republic, France, Germany, Greece, Kazakhstan, Kyrgyzstan, Romania, Slovaka, Spain, Tajikistan, Turkey, and Ukraine); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); Ruchin and Antropov, 2019a:13242 (Russia: Mordovia State Nature Reserve); Dollfuss, 2021a:943 (locality records from Albania, Austria, Czech Republic, Croatia, France, Hungary, Kazakhstan, Kyrgyzstan,

Slovakia, Turkey, and Ukraine: Syvash), 2021c:600 (locality records from Austria, Bulgaria, China, Czech Republic, France, Greece, Hungary, Kazakhstan, Kyrgyzstan, and Slovakia); Kaplan and Yildirim, 2021:96 (in catalog of Crabronidae of Turkey); Olszewski, Wiśniowski, and Ljubomirov, 2021:84 (in commented list of Sphecidae *sensu lato* of Poland); Malash, Edmardash, and Gadallah, 2022:25 (in catalog of Middle Eastern and North African Philanthinae); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:254 (in revision of Sphecidae *sensu lato* of Europe); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution); Pytel-Huta and Franchuk, 2024:89 (Ukraine: Rivno Nature Reserve).

Cerceris brevirostris Lepeletier de Saint Fargeau, 1845:13, ♀. Holotype or syntypes: ♀, France: Paris area (MNHN). Synonymized with *Cerceris interrupta* by Schletterer, 1887:433, synonymy confirmed by de Beaumont, 1950c:322. – F. Smith, 1856:439 (in catalog of Hymenoptera in British Museum); Kirchner, 1867:221 (in catalog of European Hymenoptera); Dours, 1874:144 (in catalog of Hymenoptera of France); Acloque, 1897:81 (in Sphecid Fauna of France and Algeria); de Beaumont, 1950c:322 (study of holotype).

As *Cerceeris quinquecincta*: Stephens, 1829a:367 (new generic assignment, in catalog of British insects), 1829b:34 (in checklist of British insects), corrected to *Cerceris interrupta* by F. Smith, 1855:100.

ssp. *peninsularis* Mercet

Cerceris peninsularis Mercet, 1903:103, ♂. Syntypes: ♂, Spain: Madrid Province: Los Molinos (MNCN). – Dusmet y Alonso, 1906:7 (Spain); Mercet, 1914:449 and 450 (in revision of Spanish Philanthinae); Dusmet y Alonso, 1915:87 (Spain: Aragón); Giner Marí, 1941a:57 (in revision of Spanish *Cerceris*), 1943a:102 (in Sphecid Fauna of Spain); de Andrade, 1949:11 (Portugal); Ceballos, 1956:370 (in catalog of Hymenoptera of Spain); Morel, Nouvel, and Ribaut, 1956:337 (France: Département des Pyrénées-Orientales); Nouvel and Ribaut, 1958:10 (France: Pyrénées-Orientales: Banyuls-sur-Mer area); Diniz, 1959:28 (Portugal: Massorra, Quinta do Mato, Valença do Minho); Martin Albaladeo and Izquierdo Moya, 2006:126 (syntype in Museo Nacional de Ciencias Naturales). – **As *Cerceris interrupta peninsularis***: de Beaumont, 1952a:65 (new status, in revision of *Cerceris* of France: Carpentras, Perpignan, Sérignan), 1962b:21 (Spain: Segovia); Ceballos, 1964:89 (in supplement to catalog of Spanish Sphecidae, as *penninsularis*); Diniz, 1966:7 (Portugal: six localities); Suárez, 1969:29 (Spain: Almería Province); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Gayubo, 1983e:238 (Spain: Salamanca Province), 1986d:122 (Spain: Zamora Province; status of *Cerceris peninsularis* reexamined); Gayubo and Sanza, 1986:88 (Spain: Burgos, Segovia); Gayubo, Asís, and Tormos, 1990b:80 (Spain: Salamanca Province); Gayubo and Torres, 1991:Table I and p. 81 (Spain: Salamanca; effects of urban pressure); Torregrosa, Gayubo, Tormos, and Asís, 1993:21 (Spain: Alicante Province); Tormos, Asís, and Gayubo, 1994:190, 226 (Spain: Albacete Province); Asís, Tormos, and Gayubo, 1996b:292 (nesting habits); Kuhlmann, 1996:219 (Portugal: Serra de Estrela); Gayubo, García, Torres, and González, 1999:91 (Spain: Soria Province); Gayubo, González, and Torres, 2000:187 (Spain: Salamanca Province); K. Schmidt, 2000:69 (in revision of Western Palearctic *Cerceris*); González, Gayubo, Asís, Tormos, and García, 2003:62 (Spain: Soria: Chavaler); Nieves-Aldrey, Fontal-Cazalla, Garrido-Torres, and Rey del Castillo, 2003:42 (Spain: Madrid: Estación Biogeológica de El Ventorrillo in Sierra de Guadarrama); Gayubo et al., 2004:132 (Spain: Madrid: Estación Biogeológica de El Ventorrillo in Sierra de Guadarrama); Cruz-Sánchez, Gayubo, González, and Torres, 2005:221 (Spain: Salamanca: San Martín del Castañar); Gayubo, González, Tormos, and Asís, 2008:140 (Spain: Salamanca: Parque Natural de Las Batuecas – Sierra de Francia); González, Gayubo, Asís, and Tormos, 2009:625 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park); Bitsch, 2010:118 (in supplement to vol. II of Faune de France, 1997: recent biological observations reported); Magdalou, 2017:14 (France: Pyrénées-Orientales: Réserves Naturelles Catalanes: Julols); Dollfuss, 2018:1151 (locality records from Morocco and Portugal); Cross, Baldock, and Wood, 2021:65 (in catalog of Sphecidae

sensu lato of Portugal); Malash, Edmardash, and Gadallah, 2022:25 (in catalog of Middle Eastern and North African Philanthinae).

396. *interstincta* (Fabricius)

Philanthus interstinctus Fabricius, 1798:269, sex not stated. Lectotype: ♂, India: no specific locality (ZMUC), designated by van der Vecht, 1961a:67. – Fabricius, 1799:40 (in Index to his Supplementum, 1798), 1804:306 (redescription); Thunberg, 1815b:287 (diagnostic characters), 291 (redescription); F. Smith, 1856:452 (in catalog of Hymenoptera in British Museum), 1871a:370 (in catalog of Oriental Aculeata, as *interstinctus*); W. Schulz, 1912a:90 (study of type); R. Turner, 1912e:813 (is a *Cerceris*). – **As *Cerceris interstincta***: Dahlbom, 1845:XXIV (new generic assignment, study of type material), 499 (in key to world *Cerceris*); Schletterer, 1887:494 (in checklist of world *Cerceris*); Cameron, 1890b:249 (in checklist of Oriental Sphecidae), 264 (unrecognizable species); Dalla Torre, 1897:464 (in catalog of world Hymenoptera); Ramakrishna Aiyar, 1916:559 (in catalog of Indian aculeates described after Bingham, 1897); R. B ohart and Menke, 1976:582 (in checklist of world Sphecidae); Krombein, 1981:51 (in revision of Sri Lanka Philanthinae, as *Cerceris interstincta interstincta*).

Cerceris humbertiana de Saussure, 1867:97, ♀. Holotype or syntypes: ♀, Sri Lanka: no specific locality (NHMW or MHNG). Synonymized with *Cerceris interstincta* by W. Schulz, 1912a:90. – Schletterer, 1887:494 (in checklist of world *Cerceris*); Cameron, 1890b:249 (India: Barrackpore), 266 (description of ♂); Bingham, 1896a:446 (bibliographic references), 1897:300 (in key to *Cerceris* of British India), 303 (in revision of *Cerceris* of British India); Dalla Torre, 1897:463 (in catalog of world Hymenoptera); Rothney, 1903:105 (India: West Bengal: Barrackpore); R. Turner, 1912e:491 (in revision of *Cerceris* of Indian subcontinent); Tsuneki, 1968f:33 (southern India).

Cerceris emortualis de Saussure, 1867:98, ♀. Holotype or syntypes: ♀, Sri Lanka: no specific locality (NHMW). Synonymized with *Cerceris humbertiana* by Cameron, 1890b:266. – Schletterer, 1887:490 (in checklist of world *Cerceris*, as *emortalis*); Cameron, 1890b:248 (in checklist of Oriental Sphecidae, as *emortalis*); Bingham, 1896a:446 (bibliographic references); Dalla Torre, 1897:458 (in catalog of world Hymenoptera).

ssp. *viscosa* F. Smith

Cerceris viscosa F. Smith, 1875:40, ♀ (as *viscosus*, incorrect original termination). Holotype or syntypes: ♀, India: no specific locality (OXUM). – Schletterer, 1887:506 (in checklist of world *Cerceris*); Cameron, 1890b:249 (as synonym of *Cerceris humbertiana*); Bingham, 1897:303 (as synonym of *Cerceris humbertiana*); Dalla Torre, 1897:481 (in catalog of world Hymenoptera). – **As *Cerceris interstincta viscosa***: R. Turner, 1912e:492 (new status, in revision of *Cerceris* of Indian subcontinent); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae).

Cerceris rufinodis F. Smith, 1875:41, ♂. Holotype or syntypes: ♂, India: no specific locality (OXUM). Synonymized with *Cerceris humbertiana* by Cameron, 1890b:249 and 266. – Schletterer, 1887:501 (in checklist of world *Cerceris*).

Cerceris rufinodula Dalla Torre, 1897:474 (as *rufinodulus*, incorrect original termination). Unnecessary new name for *Cerceris rufinodis* F. Smith.

397. *intricata* F. Smith

Cerceris intricata F. Smith, 1856:459, ♂. Lectotype: ♂, Brazil: Pará: Santarém (BMNH), designated by G. Ferguson, 1984b:436. – Schletterer, 1887:495 (in checklist of world *Cerceris*); Dalla Torre, 1897:464 (in catalog of world Hymenoptera); Fritz, 1970:159 (synonymy); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); G. Ferguson, 1984c:485 (in annotated list of North American and Caribbean *Cerceris*, as *intricata intricata*); Melo, 2000:98 (nest usurpation and temporary association with nest owner); Amarante, 2002:59 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Amarante, 2005a:13 (correction to his 2002 catalog).

Cerceris simplex F. Smith, 1856:462, ♀, ♂. Lectotype: ♀, Brazil: Pará: Santarém (BMNH), designated by Scullen, 1961:48, and by G. Ferguson, 1984b:438. Synonymized with *Cerceris intricata* by Fritz, 1970:160. – Schletterer, 1887:502 (in checklist of world *Cerceris*); Dalla Torre, 1897:477 (in catalog of world Hymenoptera); Poulton, 1918:xxxvii (Brazil, prey); Piek and Spanjer, 1986:182 (in list of Sphecidae with known prey); Steiner, 1986:114 (references to publications on nesting habits); Spofford, Kurczewski, and Downes, 1989:258 (reference to publication on nest parasite *Senotainia trilineata* (Wulp), a miltogrammine fly).

Cerceris vulpina F. Smith, 1856:463, ♂. Lectotype: ♂, Brazil: Pará: Santarém (BMNH), designated by G. Ferguson, 1984b:440. Synonymized with *Cerceris intricata* by Fritz, 1970:160. – Schletterer, 1887:506 (in checklist of world *Cerceris*); Dalla Torre, 1897:481 (in catalog of world Hymenoptera).

Cerceris larvata Taschenberg, 1875:391, ♂. Holotype or syntypes: ♂, Argentina: Mendoza: no specific locality (Halle). Synonymized with *Cerceris intricata* by Fritz, 1970:160. – Schletterer, 1887:495 (in checklist of world *Cerceris*); Dalla Torre, 1897:465 (in catalog of world Hymenoptera); Schrottky, 1903b:124 (in checklist of Hymenoptera of Argentina, Paraguay, and Uruguay); Brèthes, 1913:121 (diagnostic characters); Jörgensen, 1912:287 (Argentina: Mendoza Province); Schrottky, 1913a:230 (Argentina: Mendoza). – **As *Cerceris simplex larvata***: Scullen, 1962:58 (new status).

Cerceris affumata Schletterer, 1887:455, ♀. Lectotype: ♀, Brazil: Rio de Janeiro (NHMW), designated by Scullen, 1961:48 (Article 74.6). Synonymized with *Cerceris simplex* by Scullen, 1961:48. – Schletterer, 1887:485 (in checklist of world *Cerceris*); Dalla Torre, 1897:449 (in catalog of world Hymenoptera); Dollfuss, 1989:8 (type material in NHMW).

Cerceris melanogaster Holmberg, 1903:481, ♀. Lectotype: ♀, Argentina: Pampa Centralis (MACN), designated by Fritz, 1968b:163 (Article 74.6). Synonymized with *Cerceris larvata* by Fritz, 1962:65. – Brèthes, 1910a:276 (redescription); Schrottky, 1913a:230 (Argentina: Mendoza, Pampa).

Cerceris elephantinops Holmberg, 1903:485, ♂. Holotype or syntypes: ♂, Argentina: Pampa Centralis (originally MACN, now missing: Fritz, 1968b:164). Synonymized with *Cerceris larvata* by Brèthes, 1913:121. – Schrottky, 1913a:229 (Argentina: Pampa).

Cerceris elephantinops var. *dissita* Holmberg, 1903:485, ♂. Holotype or syntypes: ♂, Argentina: Formosa (originally MACN, now missing: Fritz, 1968b:164). Synonymized with *Cerceris larvata* by Fritz, 1962:65. – Schrottky, 1913a:229 (Argentina: Formosa).

Cerceris catamarcensis Schrottky, 1909b:246, ♀. Holotype or syntypes: ♀, Argentina: Catamarca: no specific locality (depository unknown). Synonymized with *Cerceris intricata* by Fritz, 1970:160. – Schrottky, 1913a:229 (Argentina: Catamarca).

Cerceris cisandina Brèthes: Jörgensen, 1912:287, nomen nudum (Argentina: Mendoza Province).

Cerceris cisandina Brèthes, 1913:122, ♀. Holotype: ♀, Argentina: Mendoza: no specific locality (MACN). Synonymized with *Cerceris intricata* by Fritz, 1970:160. – Fritz, 1968b:168 (type material not found in MACN); Genise, 1990:26 (type material in MACN).

ssp. *graphica* F. Smith

Cerceris graphica F. Smith, 1873c:410, ♀. Holotype or syntypes: ♀, Mexico: no specific locality (BMNH). – Schletterer, 1887:493 (in checklist of world *Cerceris*); Cameron, 1891a:129 (bibliographic reference, diagnostic characters); W. Fox, 1895c:266 (Mexico: Baja California Sur, description of ♂); Dalla Torre, 1897:462 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); R. Bohart and Grissell, 1975:48 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); Krombein, 1979b:1734 (in catalog of North American Hymenoptera, nesting sites, list of parasites and prey); Spofford, Kurczewski, and Downes, 1989:258, 259 (references to publications on nest parasites *Senotainia trilineata* (Wulp) and *Senotainia* sp. near *trilineata* (Wulp), miltogrammine flies); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Ohl and Linde, 2003:151 (number of ovarioles). – **As *Cerceris simplex graphica***: Scullen, 1965c:273 (new status); C. Lin, 1967c:312 (nesting habits); Scullen and Wold,

1970:213 (distribution and summary of prey records); Scullen, 1972:57 (in revision of Mexican and Central American species); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae). – **As *Cerceris intricata graphica***: G. Ferguson, 1984c:485 (new subspecific generic assignment), 1984c:485 (in annotated list of North American and Caribbean *Cerceris*); Hook, 1987:109 (nesting habits); Amarante, 2002:60 (in catalog of Neotropical Crabronidae), 2005a:13 (correction to his 2002 catalog); Rasmussen and Asenjo, 2009:14 (in checklist of Crabronidae of Peru); Dollfuss, 2021b:573 (Argentina: 10 km south of Belém, 50 km southeast of Salta in Salta Province, south of Santa Maria Ruta).

Cerceris hebes Cameron, 1890a:124, ♂. Lectotype: ♂, Mexico: Guerrero: Chilpancingo (BMNH), designated by R. Bohart and Grissell, 1975:48 (Article 74.6). Synonymized with *Cerceris graphica* by R. Bohart and Grissell, 1975:48. – Dalla Torre, 1897:462 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Scullen, 1972:57 (in revision of Mexican and Central American species); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

Cerceris macrosticta Viereck and Cockerell, 1904b:133, ♂. Holotype: ♂, USA: New Mexico: no specific locality (ANSP). Synonymized with *Cerceris graphica* by R. Bohart and Grissell, 1975:48, and R. Bohart *in* R. Bohart and Menke, 1976:581. – Snow, 1906:9 (Arizona: Oak Creek 20 mi. southwest of Flagstaff); Cresson, 1928:49 (holotype in ANSP); Banks, 1947:9 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1009 (in catalog of North American Hymenoptera); Scullen, 1965b:438 (in revision of North American *Cerceris*); Fritz, 1970:161 (full species, not a subspecies of *simplex*); Hurd and Linsley, 1975:117 (New Mexico: Dona Ana County: Las Cruces; on flowers of *Larrea tridentata* (De Candolle) Coville, Zygophyllaceae). – **As *Cerceris simplex macrosticta***: Scullen, 1965c:274 (new status); Scullen and Wold, 1970:213 (distribution and summary of prey records); Scullen, 1972:59 (in revision of Mexican and Central American *Cerceris*); Alcock, 1974c:645 (nesting habits), 1975g:142 (social interactions: changes of nest ownership, mutual provisioning of nests); Alcock and Gamboa, 1975a:528 (home ranges of males); Evans and Rubink, 1978:59 (nesting habits); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

Cerceris ampla Banks, 1912:16, ♀. Lectotype: ♀, USA: Texas: Lee County: Fedor. (MCZ), designated by G. Ferguson, 1983b:225. Synonymized with *Cerceris macrosticta* by Scullen, 1942:187, and with *Cerceris simplex macrosticta* by Scullen, 1965c:274.

398. *intrusa* Krombein

Cerceris intrusa Krombein, 1981:25, ♀, ♂. Holotype: Sri Lanka: Amparai District: Ekgal Aru Reservoir Jungle (USNM).

399. *invalida* Kohl

Cerceris invalida Kohl, 1906a:205, ♂. Holotype: ♂, Yemen: Aden: Ras Fartak (NHMW). – Empey, 1969a:311 (in checklist of Afrotropical *Cerceris*), 1973:1 (redescription); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Dollfuss, 1989:8 (holotype in NHMW); Empey, 1983:175 (bibliographic reference, type examined); Gadallah, 2020b:64 (in list of aculeate wasps of Arabian Peninsula); Malash, Edmardash, and Gadallah, 2022:25 (in catalog of Middle Eastern and North African Philanthinae); Dollfuss, 2023a:409 (Oman).

400. *invita* R. Turner

Cerceris invita R. Turner, 1912e:818, ♀. Holotype or syntypes: ♀, Indonesia: Sumatra: no specific locality (OXUM). – R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae).

401. *irene* Banks

Cerceris irene Banks, 1912:26, ♀. Lectotype: ♀, USA: Texas: Lee County: Fedor (MCZ), designated by G. Ferguson, 1983b:230 (Article 74.6). – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1008 (in

catalog of North American Hymenoptera); Scullen, 1965b:383 (in revision of North American *Cerceris*), 1972:28 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Krombein, 1979b:1735 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:486 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:60 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Ruíz Cancino, Coronado Blanco, and Horta Vega, 2005:170 (Mexico: recorded from Tamaulipas State).

402. *iridis* Evans

Cerceris iridis Evans, 1982a:339, ♀, ♂. Holotype: ♀, Australia: Queensland: Dividing Range 15 km west of Captain Billy Creek in Cape York (ANIC). – Cardale, 1985:300 (in catalog of Australian Sphecidae).

403. *isis* Arnold

Cerceris isis Arnold, 1931:178, ♀, ♂ (as *Isis*, incorrect original capitalization). Lectotype: ♀, Zimbabwe: Sawmills (SAM), designated by Empey, 1983:175. – Arnold, 1931:143, 144 (in key to Afrotropical *Cerceris*), 1935a:499 (South Africa: Kalahari); Empey, 1969a:311 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Empey, 1983:175 (bibliographic reference, type examined); Dollfuss, 2020a:99 (locality records from Botswana and Namibia).

404. *isolde* Banks

Cerceris isolde Banks, 1947:24, ♂. Holotype: ♂, USA: Arizona: Palmerlee (MCZ). – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1008 (in catalog of North American Hymenoptera); Scullen, 1960:75 (as new synonym of *Cerceris californica*), 1965b:401 (as synonym of *Cerceris californica*); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae, as synonym of *Cerceris californica*); G. Ferguson, 1983b:230 (study of holotype), 1984c:486 (as valid species, in annotated list of North American and Caribbean *Cerceris*).

Cerceris sandiegensis Scullen, 1965b:432, ♀, ♂. Holotype: ♀, USA: California: Riverside County: Anza (CAS). Synonymized with *Cerceris isolde* by G. Ferguson, 1984c:486. – R. Bohart and Grissell, 1975:51 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Krombein, 1979b:1737 (in catalog of North American Hymenoptera); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

405. *ivannikovi* Kazenas

Cerceris ivannikovi Kazenas, 1984a:99, ♂. Holotype: ♂, Kazakhstan: Zaysan (ZIN). – Kazenas, 2001b:56 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:115 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:147 (geographic distribution, collecting localities in Kazakhstan); Dollfuss, 2021c:601 (Kazakhstan: Saghiz valley in Atyraysk area; Turkmenistan: 25 km northwest of Jebel in Nebit Dag).

406. *jakowleffi* Kohl

Cerceris jakowleffi Kohl, 1898a:349, ♀ (as *Jakowleffi*, incorrect original capitalization). Holotype or syntypes: ♀, Russia: Siberia: near Irkutsk (NHMW). – Gussakovskij, 1938:16 (Mongolia; as *jakovlevi*); Tsuneki, 1961c:11 (in key to *Cerceris* of northeastern Asia), 70 (China: Nei Mongol: Apaka, ca. 45°N 116°E), 1971l:436 (Mongolia), 1971m:18 (China: Nei Mongol: Apaka); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Kazenas, 1979d:84 (in key to *Cerceris* of Russian Far East); Dollfuss, 1989:8 (type material in NHMW); Nemkov, 1990c:84 (Russia: Buryat Republic); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:472 (in key to Sphecidae of Russian Far East); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia), 2009b:148 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia); X. Li, L. Ma, and Q. Li,

2013:590 (China: Nei Mongol: Helan Mountains); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia); Dollfuss, 2021c:601 (Mongolia: many localities).

As *Cerceris grana*: Yasumatsu, 1942c:108 (China: Nei Mongol: Apaka at 44°N 114.96°E), corrected to *Cerceris jakowleffi* by Tsuneki, 1971m:18.

Cerceris pulawskii Tsuneki, 1971l:434, ♂. Holotype: ♂, Mongolia: Central Aymag: Somon Lun (TMB). Synonymized with *Cerceris jakowleffi* by Nemkov, 1990c:84.

407. *japonica* Ashmead

Cerceris interrupta Matsumura, 1912:168, 169, ♀ (as *interruptus*, incorrect original termination), junior secondary homonym of *Cerceris interrupta* (Panzer, 1799). Holotype or syntypes: ♀, Japan: Honshu: Kyoto (depository?).

Cerceris japonica Ashmead, 1904b:66, ♀. Holotype: ♀, Japan: no specific locality (USNM). Synonymized with *Cerceris interrupta* Matsumura, 1912 by Tsuneki, 1968f:3. – Sato, 1927:96, 98 (in key to *Cerceris* of Japan); Yasumatsu, 1934c:63 (Japan: Island of Yakushima); Masaki, 1937:83 (Japan: Island of Honsu: islands off Izu Peninsula); Tsuneki, 1937:186 (nesting habits); Iwata, 1955:29 (egg size, number of oocytes); Miyamoto, 1959:32 (visiting flowers of *Erigeron annuus* L., Asteraceae), 34 (visiting flowers of *Daucus carota* L., Apiaceae), 35 (visiting flowers of *Cissus japonica* Willd., Vitaceae, and of *Euonymus japonica* Thunb., Celastraceae); Tsuneki, 1961c:9, 16, 24 (in key to *Cerceris* of northeastern Asia, as *Cerceris rybyensis japonica*), 30 (as *Cerceris rybyensis japonica*, new status), 1962e:70 (*Cerceris japonica* in Iconographia Insectorum Japonicorum, Ed. II is actually *Cerceris rybyensis japonica*); Tano, 1964:38 (Japan: Kyushu: Island of Yakushima, as *rybyensis japoinca* [sic]); Handea, 1965:19 (Japan: Fukui Prefecture, as *Cerceris rybyensius japonica*); Tsuneki, 1965d:23 (nesting habits; as *Cerceris rybyensis japonica*), 1967h:45 (as full species); Itami, 1968a:16 (Japan: Yamagata Prefecture: foot of Mount Iide); Nambu, 1968b:27 (Japan: Saitama Prefecture); Tsuneki, 1968f:3 (Japan: Fukuoka); Haneda, 1969:70 (Japan: Yamanashi Prefecture); Itami, 1969:47 (Japan: Niigata Prefecture); Tsuneki, 1969e:27 (Japan: specimens in Osaka Museum of Natural History); Haneda, 1970:13 (Japan: Akita Prefecture); Yamada, 1971:35 (Japan: Aichi Prefecture); Nambu, 1972e:91 (Japan: Saitama Prefecture), 1973a:152 (Japan: Saitama Prefecture), 1975b:72 (Japan: Saitama Prefecture); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Tsuneki, 1982g:64 (known from Ryukyu archipelago); Takahashi 1993:3 (Japan: Island of Hachijo-Jima); Zhou and Wu, 1993a:671 (China: Wuling Mountains); Sk. Yamane and Tano, 1995:11 (Japan: Ryukyu Islands); Miyatake, 1996:103 (specimens in Hiroshi Aoki collection); Wu and Zhou, 1996a:171 (in revision in Economic Insect Fauna of China, as *Cerceris rybyensis japonica*); Q. Li and He, 1998b:398 (China: Longwangshan Nature Reserve, as *rybyensis japonica*); Yamane, Ikudome, and Terayama, 1999:546 (in Identification Guide to Crabronidae of Nansei = Ryukyu Islands, Japan); Sudo, Tsuyuki, Ito, and Tani, 2001:1109 (wing apparatus and flapping behavior); Haneda, 2003:4 (Japan: Nagasaki Prefecture: Tsushima); Kurokawa, 2003:61 (Japan: city of Fukui: Egamichou); Ohl and Linde, 2003:151 (number of ovarioles); Q. Li and He, 2004:1113 (China: in hymenopterous fauna of Zhejiang Province, as *rybyensis japonica*); Suda, 2004:47 (Japan: Yamanashi Prefecture); Haneda, Inoue, Nozaka, Tano, Kurokawa, H. Murota, and T. Murota, 2005:67 (Japan: Fukui Prefecture: Mount Monju); Negoro, Haneda, and Tano, 2005:49 (Japan: Toyama Prefecture); Terayama and Tano, 2005:3, 5 (in key to Japanese *Cerceris*); Haneda, Nozaka, Tano, Kurokawa, and Murota, 2006a:30 (Japan: Toyama Prefecture); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Ohkusa, 2006a:25 (Japan: Honshu: Gifu Prefecture), 2007:35 (Japan: central Honshu: Aichi Prefecture); Ohkusa and Tajima, 2008:75 (Japan: central Honshu: Aichi Prefecture), 2010:13 (Japan: Island of Honshu: Shiga Prefecture); N. Yamamoto, 2011:14 (Japan: Kyūshyū: mainland Nagasaki Prefecture); Nagase and Kishi, 2014:22 (Japan: Izu Islands: island of Miyakejima); Ohkusa, 2014b:38 (Japan: city of Osaka); Dollfuss, 2021c:602 (Japan: several localities).

Cerceris harmandi Pérez, 1905:152, ♀, ♂ (as *Harmandi*, incorrect original capitalization). Syntypes: Japan: Yokohama (MNHN). Synonymized with *Cerceris japonica* by Tsuneki, 1961c:28. – Sato, 1927:96 (in key

to *Cerceris* of Japan); Yasumatsu, 1934c:63 (Japan: Island of Yakushima); Tsuneki, 1937183 (nesting habits), 1947b:119 (primitive social relationships); Maruyama, 1948:7 (Japan: Honsu: between Yasan and Kengamine); Tsuneki, 1948a:32 (nesting habits); Iwata, 1955:29 (egg size, number of oocytes); Tsuneki, 1962e:70 (*Cerceris harmandi* in Iconographia Insectorum Japonicorum, Ed. II is actually *Cerceris hortivaga*). – Nec following authors (= *Cerceris hortivaga*): Yano, 1926:497; Sato, 1927:96, 98; Yano, 1932:278; Yasumatsu and Okabe, 1936:499; Yasumatsu, 1937c:68; Yano, 1950:1468.

408. *jashenkoi* Kazenas

Cerceris jashenkoi Kazenas, 2006:33, ♀. Holotype: ♀, Kazakhstan: 20 km southeast of village Bakanas at 44°39'52"N 76°29'03"E (ZIN?).

409. *jatahyna* Brèthes

Cerceris jatahyna Brèthes, 1920a:410, ♂. Syntypes: ♂, Brazil: State of Goyás: Jatahy, now Jataí (MNHN). – R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Genise, 1990:26 (depository of type material unknown); Amarante, 2002:60 (in catalog of Neotropical Crabronidae).

410. *jeiti* Genaro

Cerceris jeiti Genaro, 2009:101, ♀, ♂. Holotype: ♀, Dominican Republic: Provincia La Altigracia: Parque Nacional del Este (FSCA). – Genaro, 2017:10 (in list of Antillean *Cerceris*).

411. *jucunda* Cresson

Cerceris jucunda Cresson, 1873:231, ♂. Holotype: ♂, USA: Texas: Bosque County: no specific locality (USNM). – Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:495 (in checklist of world *Cerceris*); Dalla Torre, 1897:464 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Banks, 1912:26 (in revision of eastern U.S. *Cerceris*); Cresson, 1916:100 (holotype in ANSP); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1006 (as new synonym of *Cerceris compar*); G. Ferguson, 1984c:486 (as valid species, in annotated list of North American and Caribbean *Cerceris*); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: first record from Canada: Saskatchewan: no specific locality).

Cerceris zelica Banks, 1912:23, ♀, ♂. Lectotype: ♀, USA: Texas: Lee County: Fedor (MCZ), designated by G. Ferguson, 1983b:234. Synonymized with *Cerceris compacta* by Scullen, 1960:77, and with *Cerceris jucunda* by G. Ferguson, 1984c:486. – Brimley, 1938:448 (North Carolina: Raleigh); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1011 (in catalog of North American Hymenoptera); Scullen, 1965b:450 (in revision of North American *Cerceris*, as valid species); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Krombein, 1979b:1738 (in catalog of North American Hymenoptera); Ahlstrom, 1995:114 (in checklist of insects of North Carolina).

412. *kansuensis* Shestakov

Cerceris kansuensis Shestakov *in* Gussakovskij, 1934a:14, ♀ (authorship confirmed on p. 2, spelled *gansuensis*). Holotype: ♀, China: south of Kansu: no specific locality (NRS). – R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

413. *karimuiensis* Krombein

Cerceris Karimui *karimuiensis* Krombein, 1969b:17, ♀, ♂. Holotype: Papua New Guinea: Eastern Highland Province: south of Goroka (Bishop Mus.). – R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae).

414. *kasachstanica* Kazenas

Cerceris kasachstanica Kazenas, 1972b:137, ♀ (as *kasachstanicus*, incorrect original termination). Holotype: ♀, Kazakhstan: Ili in Alma-Ata Oblast' (V.L. Kazenas coll.). – Kazenas, 1978b:53, 55 (in key to Sphecidae of Kazakhstan and Central Asia); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Kazenas,

1984a:36 (in revision of *Cerceris* of Kazakhstan and Central Asia); Esenbekova and Kazenas, 2000:76 (southeastern Kazakhstan: near Bakanas, near Borandysu); Kazenas, 2001b:56 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:106, 107 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:147 (geographic distribution, collecting localities in Kazakhstan), 2008a:107 (southeastern Kazakhstan: Ili River valley: near Bakanas, 17 km northwest of Bakanas, near Borandysu, Kapchagay, 35 km northwest of Kapchagay), 2013b:500 (southeastern Kazakhstan: Borandysu 30 km east of Chilik).

415. *kaszabi* Tsuneki

Cerceris kaszabi Tsuneki, 1971l:437, ♀, ♂. Holotype: ♀, Mongolia: Bulgan Aymag: Bayan-nuur (TMB). – R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Kazenas, 1979d:73 (Russia: Amur Oblast', diagnostic characters), 83, 89 (in key to *Cerceris* of Russian Far East); Nemkov, 1986:108 (Russia: Siberia: Irkutsk Oblast'), 1992b:50 (Russia: Far East: Semenovka near Khingan Nature Reserve); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:471, 479 (in key to Sphecidae of Russian Far East); Wu and Zhou, 1996a:184 (in revision in Economic Insect Fauna of China); Nemkov, 2005a:160 (Russia: Island of Sakhalin); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Nemkov, 2007c:997 (in Appendix to Key for identification of Sphecidae of Far East of Russia), 2008b:25 (in catalog of Crabronidae of Asiatic Russia), 2009b:149 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia), 2012c:448 (in catalog of Crabronidae of Russian Far East); Akulov and Proshchalykin, 2013:119 (Russia: Siberia: Krasnoyarsk Kray: Minusinsk); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia); Dolfuss, 2021c:602 (Mongolia: several localities).

416. *katangae* Brauns

Cerceris katangae Brauns, 1914:237, ♀. Holotype: ♀, Zaire: Katanga, now Shaba: Kibimbi (MRAC). – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae); Schouteden, 1930:93 (Zaire); Empey, 1969a:312 (in checklist of Afrotropical *Cerceris*), 1972:60 (redescription of ♀, description of ♂); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Empey, 1983:175 (bibliographic reference, type examined).

Cerceris katangae Brauns, 1926:288. Objective synonym of *Cerceris katangae* Brauns, 1914.

417. *kedahae* Pagden

Cerceris kedahae Pagden, 1934b:467, ♀, ♂. Holotype: ♀, Malaysia: Kedah: Kedah Peak (BMNH). – van der Vecht, 1964:354 (in revisions of Javan species); Tsuneki, 1974b:592 (Thailand); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Dollfuss, 2020b:121 (Malaysia: Pahang: Rata at 4°28'N 101°23'E).

418. *kennicottii* Cresson

Cerceris kennicottii Cresson, 1865c:128, ♂ (as *Kennicotti*, incorrect original capitalization). Holotype: ♂, USA: Louisiana: no specific locality (ANSP). – Packard, 1866:60 (in key to North American *Cerceris*), 63 (bibliographic reference, geographic distribution); Cresson, 1873:231 (Texas), 1887:282 (in catalog of North American Hymenoptera); C. Robertson, 1894:457 (visiting flowers of *Solidago nemoralis* Ait., Asteraceae), 471 (visiting flowers of *Helianthus tuberosus* Linnaeus, Asteraceae), 1896:73 (visiting flowers of *Polygonum hydropiperoides* Michx., Polygonaceae); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Bridwell, 1899:209 (Kansas: no specific locality); Cresson, 1916:100 (holotype in ANSP); Schletterer, 1887:495 (in checklist of world *Cerceris*); Dalla Torre, 1897:464 (in catalog of world Hymenoptera); Banks, 1912:25 (in revision of eastern U.S. *Cerceris*); Mickel, 1918b:45 (in catalog of Nebraskan Sphecidae); Hendrickson, 1930:159 (Iowa, as *kennicothii*); Brimley, 1938:448 (North Carolina: Beaufort, Bryson City, Raleigh); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1008 (in catalog of North American Hymenoptera); Scullen, 1965b:384 (in revision of North American *Cerceris*, as *kennicotti kennicotti*), 1972:28 (in revision of Mexican and Central American *Cerceris*, as *kennicottii kennicottii*); R. Bohart and Grissell, 1975:49 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Heithaus, 1979:193 (Costa Rica: Guanacaste: Hacienda las Ciruelas 30.5

km northwest of Cañas); Krombein, 1979b:1735 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:486 (in annotated list of North American and Caribbean *Cerceris*, as *kennicottii kennicottii*); Ahlstrom, 1995:114 (in checklist of insects of North Carolina); Amarante, 2002:60 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Buck, 2004:28 (Canada: in checklist of Crabronidae of Ontario), 31 (distribution within Ontario), 73 (first record from Ontario: Chatham, northeast of Harrow, Leamington, Point Pelee, Windsor); Buck, Paiero, and Marshall, 2006:41, 46 (in key to eastern Canadian *Cerceris*); Horta Vega, Pinson Domínguez, Barrientos Lozano, and Correa Sandoval, 2007: 45 (Mexico: Tamaulipas, as *kennicottii kennicottii*); Horta-Vega, Vanoye-Eligio, García-Gutiérrez, Coronado-Blanco, and Barrientos-Lozano, 2013:382 (Mexico: Tamaulipas: Ciudad Victoria: Cañón del Novillo, as *kennicottii kennicottii*); Dollfuss, 2021b:573 (Illinois: Urbana Arboretum); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Ontario, first records from Alberta and Saskatchewan: no specific locality).

Cerceris montivaga Cameron, 1890a:119, ♀. Holotype or syntypes: ♀, Mexico: Guerrero: Chilpancingo (BMNH). Synonymized with *Cerceris kennicottii zapoteca* by Scullen, 1972:30, and with *Cerceris kennicottii kennicottii* by G. Ferguson, 1984c:486. – Dalla Torre, 1897:468 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae).

Cerceris eriogoni Viereck and Cockerell, 1904b:139, ♂. Holotype: ♂, USA: New Mexico: Organ Mountains: Dripping Spring (ANSP). Synonymized with *Cerceris kennicottii* by Scullen, 1965b:384. – Cresson, 1928:49 (holotype in ANSP); Banks, 1947:30 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1007 (in catalog of North American Hymenoptera).

Cerceris kennicottii beali Scullen, 1965b:386, ♀, ♂. Holotype: ♀, USA: Arizona: Scottsdale (USNM). Synonymized with *Cerceris kennicottii zapoteca* by Scullen, 1972:30, and with *Cerceris kennicottii kennicottii* by R. Bohart and Grissell, 1975:49. – Zack, 1984:39 (paratype in James Entomological Collection, Washington State University).

ssp. *chinandegaensis* Cameron

Cerceris chinandegaensis Cameron, 1904h:66, ♂ (as *Chinandegaensis*, incorrect original capitalization). Lectotype: ♂, Nicaragua: Chinandega (BMNH), designated by G. Ferguson, 1984b:433. – Scullen, 1972:28 (as synonym of *Cerceris kennicottii bakeri*); Maes, 1989:95 (in catalog of Nicaraguan Sphecidae). – **As *Cerceris kennicottii chinandegaensis***: G. Ferguson, 1984c:487 (new status, in annotated list of North American and Caribbean *Cerceris*, color variation); Amarante, 2002:60 (in catalog of Neotropical Crabronidae).

Cerceris iresinides Rohwer, 1914:522, ♂. Holotype: ♂, Guatemala: Gualan (USNM). Synonymized with *Cerceris kennicottii bakeri* by Scullen, 1972:28, with *Cerceris kennicottii chinandegaensis* by G. Ferguson, 1984c:487.

419. *kilimandjaroensis* Cameron

Cerceris kilimandjaroensis Cameron, 1908a:277, ♀, ♂. Lectotype: ♀, Tanzania: Mount Kilimanjaro: Kibonoto (NRS), designated by Empey, 1974:107. – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:140 (in key to Afrotropical *Cerceris*), 185 (in revision of *Cerceris* of southern Africa), 1933a:355 (Ethiopia: Doukam, Higo Samula, Hawash River, and Harar District); Giordani Soika, 1939c:102 (Eritrea: Adi Ugri, Assaorta); Empey, 1969a:312 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Empey, 1983:175 (bibliographic reference, type examined, as *kilimandjaroensis kilimandjaroensis*); Madl, 2023:256 (in catalog of Crabronidae of Eritrea).

Cerceris sterope Arnold, 1951:117, ♂. Holotype: ♂, Ethiopia: Haramaia (BMNH). Synonymized with *Cerceris kilimanjaroensis* by Empey, 1974:107. – Empey, 1969a:323 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae), 628 (synonymy with *Cerceris kilimanjaroensis* recorded).

Cerceris zyx Leclercq, 1955i:413, ♂. Holotype: ♂, Burundi: Makoronkwe (MRAC). Synonymized with *Cerceris kilimanjaroensis* by Empey, 1974:107. – Empey, 1969a:326 (in checklist of Afrotropical *Cerceris*), 1970:186 (Zaire: Garamba and Upemba National Parks); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae), 628 (synonymy with *Cerceris kilimanjaroensis* recorded).

Cerceris molesta Arnold, 1958:129, ♀, ♂. Lectotype: ♀, Zambia: Abercorn, now Mbala (SAM), designated by Empey, 1983:175. Synonymized with *Cerceris zyx* by Empey, 1969a:326. – Hancock, Chahwanda, and Mhlanga, 1995:38 (paralectotype in Bulawayo Museum).

ssp. *capensis* Arnold

Cerceris macololo race *capensis* Arnold, 1931:152, ♀, ♂. Lectotype: ♀, South Africa: Eastern Cape Province: Alival North (BMNH), designated by Empey, 1983:176. – Arnold, 1931:146 (in key to Afrotropical *Cerceris*). – **As *Cerceris heterospila capensis***: Empey, 1969a:310 (new status, in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae). – **As *Cerceris kilimanjaroensis capensis***: Empey, 1974:107 (new subspecific generic assignment); R. Bohart and Menke, 1976:628 (in checklist of world Sphecidae); Empey, 1983:176 (bibliographic reference, type examined); S. Gess and F. Gess, 2003:132 (South Africa: visiting flowers of *Foeniculum vulgare* Mill., Apiaceae).

Cerceris griqua Arnold, 1942:10, ♀, ♂. Lectotype: ♀, South Africa: East Griqualand: Ormiston (SAM), designated by Empey, 1983:176. Synonymized with *Cerceris heterospila capensis* by Empey, 1969a:310. – Hancock, Chahwanda, and Mhlanga, 1995:37 (paralectotypes in Bulawayo Museum).

ssp. *heterospila* Cameron

Cerceris heterospila Cameron, 1910:150, ♀, but actually ♂ (Brauns, 1917:239). Lectotype: ♂, South Africa: Gauteng: Johannesburg (TMP), designated by Empey, 1969a:309. – Brauns, 1917:239 (discussion of type material); Arnold, 1931:198 (original description copied), 1942:11 (Zimbabwe, Botswana, description of ♀ which actually is *Cerceris rhodesiensis*); Empey, 1969a:309 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae). – **As *Cerceris kilimanjaroensis heterospila***: Empey, 1974:107 (new status); R. Bohart and Menke, 1976:628 (in checklist of world Sphecidae); Empey, 1983:176 (bibliographic reference, type examined).

Cerceris macololo Brauns, 1926:295, ♀, ♂. Lectotype: ♀, South Africa: Gauteng: Johannesburg (TMP), designated by Empey, 1983:176. Synonymized with *Cerceris heterospila* by Empey, 1969a:309. – Arnold, 1931:140 (in key to Afrotropical *Cerceris*), 149 (male described as *Cerceris macololo* by Brauns must belong to another species), 1942:12 (male described as *Cerceris macololo* by Brauns is *heterospila*), 24 (female head illustrated).

Cerceris ilustrissimus Giner Marí: Empey, 1969a:327 (nomen nudum).

420. *kirbyi* Bingham

Cerceris kirbyi Bingham, 1897:313, ♀. Holotype or syntypes: ♀, Burma: Tenasserim: Haundraw Valley (BMNH). – Bingham, 1897:301 (in key to *Cerceris* of British India); R. Turner, 1912e:508 (in revision of *Cerceris* of Indian subcontinent); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Jonathan, Ray, and Kundu, 2000:211 (India: Meghalaya: East Garo Hills: Dainadubi and Darugiri); Dollfuss, 2020b:121 (Laos: Hua Phan Province: near Ban Saleui village at 20°13'30"N 103°59'26"E); Malash, Edmardash, and Gadallah, 2022:25 (in catalog of Middle Eastern and North African Philanthinae).

Cerceris annulata Klug, 1845:[29], pl. 47, fig. 13, ♂, junior secondary homonym of *Cerceris annulata* (Rossi, 1790). Holotype or syntypes: ♂, Egypt: Fayum (ZMHU). – de Beaumont, 1951b:177 (interpretation of the species); D. Baker, 1997b:183 (in catalog of insects described by Klug, 1945).

Cerceris klugii F. Smith, 1856:445 (as *Klugii*, incorrect original capitalization). Substitute name for *Cerceris annulata* Klug, 1845. – Dalla Torre, 1897:464 (in catalog of world Hymenoptera); de Beaumont, 1951f:315 (Egypt; diagnostic characters); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae);

K. Schmidt, 2000:163 (in revision of Western Palearctic *Cerceris*); Roche, 2007a:131 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Dollfuss, 20021c:602 (Oman: Al Batinah Province: near Wadi Awf at 23°14'N 67°26'E).

Cerceris klugii Schletterer, 1887:395, junior primary homonym of *Cerceris klugii* F. Smith, 1856 and of *Cerceris klugi* Kirchner, 1867. Substitute name for *Cerceris annulata* Klug. Synonymized with *Cerceris klugi* Kirchner by Schletterer, 1889a:900. – Schletterer, 1887:495 (in checklist of world *Cerceris*), 1889a:903 (Savigny, 1817, pl. X, Fig. 24 represents *klugii*); Ed. André, 1889:271 (in revision of Sphecidae of Europe and Algeria), 1891:27* (bibliographic references); Storey, 1916:108 (Egypt: widely distributed); Mochi, 1938:146 (Egypt, redescription); Honoré, 1941a:156 (redescription); Giner Marí, 1941b:157 (Klug's and Schletterer's descriptions copied); Ceballos, 1956:369 (in catalog of Hymenoptera of Spain).

421. *kobrowi* Brauns

Cerceris kobrowi Brauns, 1926:271, ♀, ♂ (as *Kobrowi*, incorrect original capitalization). Lectotype: ♀, South Africa: Gauteng: Johannesburg (TMP), designated by Empey, 1983:176. – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:137, 146 (in key to Afrotropical *Cerceris*); Empey, 1969a:312 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Dollfuss, 2020a:99 (Kenya: Voi; South Africa: KwaZulu-Natal: southwest of Emanguzi).

422. *kohlii* Schletterer

Cerceris kohlii Schletterer, 1887:447, ♀. Holotype or syntypes: ♀, Caucasus: no specific locality (Kraków). – Schletterer, 1887:495 (in checklist of world *Cerceris*); Ed. André, 1889:307 (in revision of Sphecidae of Europe and Algeria); Schletterer, 1889a:900 (correction to earlier description); Ed. André, 1891:25* (bibliographic references); Dalla Torre, 1897:464 (in catalog of world Hymenoptera); Kohl, 1916:114 (syntypes in O. Radoszkowski collection, Kraków); Shestakov, 1916a:230 (Caucasus); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); K. Schmidt, 2000:69 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:56 (tentatively in checklist of Sphecidae of Kazakhstan and Central Asia); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:24 (first record from Turkey: Erzurum: Erzincan); Kaplan and Yildirim, 2021:96 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:25 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

Cerceris perdita Kohl, 1898a:343, ♀, ♂. Syntypes: Armenia: Arax Valley (NHMW). Synonymized with *Cerceris kohlii* by Kohl, 1916:114. – Shestakov, 1916a:235 (Armenia: Arax valley).

423. *kokuevi* Shestakov

Cerceris kokuevi Shestakov, 1912:507, ♀. Holotype or syntypes: ♀, Turkmenistan: Krasnovodsk (ZIN). – Shestakov, 1918a:137 (description; as *kokujevi*); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Kazenas, 1978b:58 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:81 (in revision of *Cerceris* of Kazakhstan and Central Asia), 1992c:29 (Turkmenistan: Repetek Nature Reserve); Esenbekova and Kazenas, 2000:76 (southeastern Kazakhstan: 35-60 km east of Chilik); Kazenas, 2001b:56 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:111 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:147 (geographic distribution, collecting localities in Kazakhstan), 2008a:107 (southeastern Kazakhstan: 15 km north of Aksuyek, Ayak-Kalkan, 20 km north of village Aydarly, near Bakanas, 17 km northwest of Bakanas, Basshiy, 35-60 km east of Chilik); Mokrousov and Gromenko, 2015:126 (Uzbekistan: Sundukli Desert at 38°57'45" N, 64°32'26" E); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

Cerceris egregia Kazenas, 1977b:433, ♂. Holotype: ♂, Kazakhstan: 17 km northwest of Bakanas (ZIN). Synonymized with *Cerceris kokuevi* by Kazenas, 1984a:81.

424. *koma* Tsuneki

Cerceris koma Tsuneki, 1961c:40, ♀. Holotype: ♀, Korea: Hokkanzan: Keijo (originally K. Tsuneki coll., now USNM). – Tsuneki, 1961c:8 (in key to *Cerceris* of northeastern Asia); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Kazenas, 1979d:81 (in key to *Cerceris* of Russian Far East); Tsuneki, 1982b:18 (known from Korea); Paik, 1985:203 (in list of Sphecidae of Korea); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:470 (in key to Sphecidae of Russian Far East); Nuhn and Menke, 1994:26 (holotype transferred to USNM); J.-K. Kim, 2014:448 (in catalog of Sphecidae *sensu lato* of Korean Peninsula).

425. *koryo* Tsuneki

Cerceris koryo Tsuneki, 1961c:43, ♂. Holotype: ♂, Korea, Koryo (originally K. Tsuneki coll., now USNM). – Tsuneki, 1961c:18 (in key to *Cerceris* of northeastern Asia); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Kazenas, 1979d:88 (in key to *Cerceris* of Russian Far East); Tsuneki, 1982b:18 (known from Korea); Paik, 1985:203 (in list of Sphecidae of Korea); Nuhn and Menke, 1994:26 (holotype transferred to USNM); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:479 (in key to Sphecidae of Russian Far East); J.-K. Kim, 2014:448 (in catalog of Sphecidae *sensu lato* of Korean Peninsula).

426. *koshantshikovi* Shestakov

Cerceris koshantshikovi Shestakov, 1914a:96, ♀. Holotype or syntypes: ♀, Turkmenistan: Imam Baba (ZIN). – Shestakov, 1918a:138 (Turkmenistan; description of ♂; nesting habits), 1923:104, 105 (in key to subgenus *Apiraptrix*), 114 (bibliographic reference, distribution); Myartseva, 1963b:61 (Turkmenistan: lower Murgab River), 1965:94 (Turkmenistan: Akibay and Murgab district); Kazenas, 1972b:131 (Kazakhstan; determination tentative), 1974b:109 (feeding on flowers of *Tamarix* sp., Tamaricaceae, *Statice gmelini* Willd., Plumbaginaceae, and *Cynanchum sibiricum* Willd., Asclepiadaceae, in Kazakhstan), 110 (feeding on flowers of *Alhagi pseudalhagi* M.B. Desv., Fabaceae, in Kazakhstan), 112 (feeding on flowers of *Atraphaxis spinosa* L., Polygonaceae, in Kazakhstan), 1978b:53, 56 (in key to Sphecidae of Kazakhstan and Central Asia); Myartseva, 1972a:93 (Turkmenistan); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Kazenas 1984a:37 (in revision of *Cerceris* of Kazakhstan and Central Asia); Kazenas, 2001b:56 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:107, 109 (in key to *Cerceris* of Kazakhstan and Central Asia); Dollfuss, 2018:1151 (Tajikistan: near Dushanbe), 2021c:602 (Tajikistan: Vakhsh; Turkmenitan: 15 km north of Ashkhabad).

427. *kozlovi* Shestakov

Cerceris kozlovi Shestakov, 1918b:16, ♀. Holotype or syntypes: ♀, China: northern Kansu: between Danger-Tin and Danger-Khe (ZIN). – R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae).

428. *krombeini* Scullen

Cerceris krombeini Scullen, 1965a:388, ♀, ♂. Holotype: ♀, USA, Arizona: Continental (USNM). – R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Krombein, 1979b:1735 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:487 (in annotated list of North American and Caribbean *Cerceris*).

429. *krugi* Dewitz

Cerceris krugi Dewitz, 1881:200, ♀, ♂ (as *Krugi*, incorrect original capitalization). Lectotype: ♀, Puerto Rico: no specific locality (ZMHU), designated by G. Ferguson, 1984b:436. – Schletterer, 1887:495 (in checklist of world *Cerceris*); Dalla Torre, 1897:465 (in catalog of world Hymenoptera, as *krugii*); Ashmead, 1900:307 (in checklist of Caribbean Hymenoptera); Wolcott, 1951:839 (in review of insects of Puerto Rico); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); G. Ferguson, 1984c:487 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:60 (in catalog of Neotropical Crabronidae); Genaro, 2017:10 (in list of Antillean *Cerceris*).

Cerceris margaretella Rohwer, 1915:248, ♂. Holotype: ♂, Puerto Rico: Mayaguez (USNM). Synonymized with *Cerceris krugi* by G. Ferguson, 1984c:487. – Wolcott, 1951:839 (in review of insects of Puerto Rico); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae).

430. *kumamotonis* Tsuneki

Cerceris kumamotonis Tsuneki, 1978c:81, ♀. Holotype: ♀, Japan: Kyushu: Kumamoto Prefecture: Gokasho (originally K. Tsuneki coll., now Hyogo Mus.); Tano, 1994a:8 (holotype in K. Tsuneki collection); Hashimoto and Nakanishi, 1997:29 (holotype transferred to Hyogo Mus.); Mitai, 2005:54 (Japan: recorded from Kyushu); Terayama and Tano, 2005:3, 5 (in key to Japanese *Cerceris*).

431. *kurzenkoi* Kazenas

Cerceris kurzenkoi Kazenas, 1980a:793, ♀. Holotype: ♀, Turkmenistan: Repetek (ZIN). – Kazenas, 1984a:215 (in revision of *Cerceris* of Kazakhstan and Central Asia); Krivokhatskiy, 1985:37 (Turkmenistan: listed from Repetek); Kazenas, 1992c:29 (Turkmenistan: Repetek Nature Reserve), 2001b:56 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:119 (in key to *Cerceris* of Kazakhstan and Central Asia); Mokrousov and Gromenko, 2015:126 (Uzbekistan: 5 km north of Mubarek at 39°18'31"N 65°8'20"E); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

432. *kuznetzovi* Kazenas

Cerceris kuznetzovi Kazenas, 1984a:139, ♀, ♂. Holotype: ♀, Kazakhstan: 5 km SW Balkhash (ZIN). – Kazenas, 2001b:56 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:114, 117 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:147 (geographic distribution, collecting localities in Kazakhstan); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia); Mokrousov, 2017b:14 (Russia: Kalmykia: 9 km southwest of Komsomolskiy at 45.286°N 45.927°E); Dollfuss, 2021c:602 (Tajikistan: 30 km north of Rushan); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

ssp. *turgaica* Kazenas

Cerceris kuznetzovi turgaica Kazenas, 1984a:141, ♂. Holotype: ♂, Kazakhstan: Karaturgai River in Turgai (ZIN). – Kazenas, 2001b:59 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:116 (in key to *Cerceris* of Kazakhstan and Central Asia); Mokrousov and Gromenko, 2015:126 (Uzbekistan: 10 km northwest of village Atkamar at 38°20'4"N, 66°18'45"E).

433. *kwangtsehiana* Giner Marí

Cerceris kwangtsehiana Giner Marí, 1942b:143, ♀. Holotype: ♀, China: Fujian: Kwangtseh (Mus. A. Koenig, Bonn). – Tsuneki, 1968f:6 (China: Wangshan), 1970c:4, 6 (in key to *Cerceris* of Taiwan), 10 (Taiwan, redescription); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Tsuneki, 1977j:264 (Taiwan: Kankau, as *kwantsehiana*); Zhou and Wu, 1993a:671 (China: Wuling Mountains); Wu and Zhou, 1996a:167 (in revision in Economic Insect Fauna of China); Porter, Stange, and Wang, 1999:14 (in checklist of Sphecidae of Taiwan); Q. Li and He, 2004:1111 (in hymenopterous fauna of Zhejiang Province, China); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Lampe, Rohwedder, Ingrisch, and Rach, 2010:121 (type material in Mus. A. Koenig, Bonn); Dollfuss, 2021c:602 (Nepal: Annapurna Himal: Chandrakot; Taiwan:Nanton Province: near Sun Moon Lake at 23.82°N 120.94°E).

434. *labeculata* R. Turner

Cerceris labeculata R. Turner, 1908:470, ♀, ♂. Syntypes: Australia: Queensland: Cairns (BMNH). – R. Turner, 1910b:421 (in key to *Cerceris* of Australia), 1912d:666 (in key to *Cerceris* of Australia), 676 (in revision of *Cerceris* of Australia); Tsuneki, 1968e:6 (in key to *Cerceris* of Australia, as *lubeculata*); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Evans, 1982a:342 (in revision of Eastern Australian

Cerceris); Cardale, 1985:300 (in catalog of Australian Sphecidae); Evans and Hook, 1986a:281 (nest), 1986b:1299 (prey: *Colaspoides pallidula* Lea, Chrysomelidae Eumolpinae).

435. ? *labiata* (Olivier)

Crabro labiat.. Olivier, 1792:.. – **As *Cerceris labiata***: R. Bohart and Menke, 1976:583 (new generic assignment, in checklist of world Sphecidae).

436. *lacinia* Tsuneki

Cerceris lacinia Tsuneki, 1961c:58, ♂. Holotype: ♂, China: Heilungkiang: Harbin (originally P. Verhoeff coll., now RMNH). – Tsuneki, 1961c:18 (in key to *Cerceris* of northeastern Asia), 1967e:2 (China: Heilungkiang), 9 (China: Heilungkiang: Harbin); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Kazenas, 1979d:71 (northeastern China, diagnostic characters), 88 (in key to *Cerceris* of Russian Far East); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:479 (in key to Sphecidae of Russian Far East); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Dollfuss, 2021c:602 (Mongolia: 200 km south-southeast of Baroon-Urt: Moltsoy Els).

437. *laeta* (Fabricius)

Philanthus laetus Fabricius, 1793:291, sex not stated. Lectotype: ♂, Spain: no specific locality (ZMUC), designated by van der Vecht, 1961a:63. – Fabricius, 1796:137 (in Index to his Entomologia Systematica, 1793); Panzer, 1799, Heft 63:11 (in revision of German insects, illustration of habitus); Fabricius, 1804:305 (redescription); Panzer, 1806:175 (in critical review of his earlier work); Jurine, 1807:202 (in checklist of European *Philanthus*); Thunberg, 1815b:289 (diagnostic characters); Dahlbom, 1845:XXIV (type material not examined); Gistel, 1848:142 (southern and central Europe, description); Peets, 1909-1911:68 (*Philanthus laetus* of Panzer = *Cerceris arenaria*). – **As *Vespa laeta***: Turton, 1801:529 (new generic assignment, Spain). – **As *Cerceris laeta***: Curtis, 1828:pl.269 (new generic assignment, illustration); nec Stephens, 1829a:367 and 1829b:34 (= *Cerceris arenaria*); Guérin-Méneville, 1835:pl. 71, Fig. 10 (illustrations of antenna and mouthparts); Ghiliani, 1842:25 (listed from Italy: Sicilia: Palermo); Guérin-Méneville, 1844:443 (explanation of his 1835 figure); A. Costa, 1864b:98 (Italy: specimen from Parma in Napoli Museum); van der Vecht, 1961a:63 (redescription; may be a synonym of *Cerceris arenaria*, *dusmeti*, or *moroderi*); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); Pagliano, 2014:113 (specimens in M. Spinola collection, Torino, are *Cerceris laeta* and *Cerceris* sp.).

438. *laevigata* F. Smith

Cerceris laevigata F. Smith, 1856:465, ♀, ♂. Lectotype: ♀, Dominican Republic: Santo Domingo (BMNH), designated by G. Ferguson, 1984b:436. – Cresson, 1862:237 (in catalog of North American Hymenoptera), 1865c:132 (original description copied); Packard, 1866:64 (bibliographic reference); Schletterer, 1887:495 (in checklist of world *Cerceris*); Dalla Torre, 1897:466 (in catalog of world Hymenoptera, as *levigata*); Ashmead, 1900:307 (in checklist of Caribbean Hymenoptera, as *levigata*); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); G. Ferguson, 1984c:487 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:60 (in catalog of Neotropical Crabronidae), 2005a:13 (correction to his 2002 catalog); Perez-Gelabert, 2008:241 (in list of arthropods of island of Hispaniola); Genaro, 2017:10 (in list of Antillean *Cerceris*).

439. *lama* R. Turner

Cerceris lama R. Turner, 1912e:814, ♀. Syntypes: ♀, Tibet: Gyangtse (BMNH). – R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

440. *lamarquensis* Fritz and Toro

Cerceris lamarquensis Fritz and Toro, 1969:142, ♀. Holotype: ♀, Argentina: Río Negro: Lamarque (originally M. Fritz coll., now MACN). – R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Fritz, 1993:17 (holotype in M. Fritz coll., dated 1969); Amarante, 2002:60 (in catalog of Neotropical Crabronidae), 2005a:13 (correction to his 2002 catalog).

441. *lanaonis* Tsuneki

Cerceris lanaonis Tsuneki *in* Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:79, ♂. Holotype: ♂, Philippines: Lanao del Norte: Iligan area (depository not stated originally, now USNM). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:51 (in key to *Cerceris* of Philippines); Nuhn and Menke, 1994:26 (holotype transferred to USNM).

442. *languida* Cameron

Cerceris languida Cameron, 1905m:218, ♂. Lectotype: ♂, South Africa: Eastern Cape Province: Dunbrody at 33°29'S 25°33'E (BMNH), designated by Empey, 1983:176 (Article 74.6). – Brauns, 1926:292 (in revision of Afrotropical *Cerceris*); Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:140, 147 (in key to Afrotropical *Cerceris*); Empey, 1969a:312 (in checklist of Afrotropical *Cerceris*), 1974:108 (recognition of subspecies); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Gess, 1980a:86 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown), 87 (prey: phalacrid beetles), 1981:21 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown; nesting in sandy soils; prey: *Olibrus* sp., a phalacrid; as *languida languida*); Empey, 1983:176 (bibliographic reference, type examined); S. Gess and F. Gess, 1994:100 (visiting flowers of *Aspalathus linearis* (Burm. F.) R. Dahlgren, Fabaceae); S. Gess, 1996:277, 280, 281, 287, 294 (floral records); S. Gess and F. Gess, 2003:132 (South Africa: visiting flowers of *Berula erecta* (Hudson) Cov., Apiaceae, *Athanasia trifurcata* (L.) L., *Helichrysum* sp., and *Senecio* sp., Asteraceae, *Wahlenbergia* sp., Campanulaceae, *Aspalatus linearis* (Burm. f.) Dahlgren and *Aspalatus spinescens* Thunb., Fabaceae, and *Selago* sp., Scrophulariaceae, as *languida languida*); Dollfuss, 2020a:99 (locality records from Namibia and South Africa).

As *Cerceris arrogans* Arnold, 1931:164 (♂ only), corrected to *Cerceris languida* by Empey, 1983:176.

ssp. *agulhas* Empey

Cerceris languida agulhas Empey, 1974:110, ♀, ♂. Holotype: ♀, South Africa: Western Cape Province: Bredasdorp (SAM). – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae); Empey, 1983:177 (bibliographic reference, type examined).

ssp. *shangaani* Empey

Cerceris languida shangaani Empey, 1974:109, ♀, ♂. Holotype: ♀, Zimbabwe: Gwaai (originally Bulawayo Mus., now SAM?). – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae); Hancock, Chahwanda, and Mhlanga, 1995:38 (paratype in Bulawayo Museum); Empey, 1983:177 (bibliographic reference, type examined, locality records).

ssp. *tanzana* Empey

Cerceris languida tanzana Empey, 1974:110, ♀. Holotype: ♀, Tanzania: Dar es Salaam (TMP). – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae); Empey, 1983:177 (bibliographic reference, type examined).

443. *larissae* K. Schmidt

Cerceris larissae K. Schmidt, 2000:108, ♀. Holotype: ♀, Tunisia: Dahar Mountains: Mount Ksour 31 km southwest of Matmata (Mus. Stuttgart). – Ben Khedher, Yildirime, and Braham, 2020c:539 (Tunisia: described from Dahar Mountains); Malash, Edmardash, and Gadallah, 2022:26 (in catalog of Middle Eastern and North African Philanthinae).

444. *lateridentata* Arnold

Cerceris lateridentata Arnold, 1945:26, ♀, ♂. Lectotype: ♀, Madagascar: Ivondro (MNHN), designated by Empey, 1983:177. – Empey, 1969a:312 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Empey, 1983:177 (bibliographic reference, type examined); Pulawski, 2003b:799 (in checklist of Malagasy Sphecidae); Madl, 2014a:1001 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records).

445. *laterifurcata* Empey

Cerceris laterifurcata Empey, 1973:13, ♀, ♂. Holotype: ♀, Yemen: Lodar, also spelled Lawdar (BMNH). – R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Empey, 1983:177 (bibliographic reference, type examined, locality records); Guichard, 1993a:161 (Arabian Peninsula); Gadallah and Assery, 2004a:234 (in catalog of Sphecidae of Saudi Arabia); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:358 (in new catalog of Sphecidae of Saudi Arabia); Dollfuss, 2020a:99 (Kenya: Voi); Gadallah, 2020b:64 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021c:602 (Iran: Kerman: Raziabad at 28°52'N 57°42'E and Fars: 80 km southeast of Darab at 28°25'N 55°09'E; Yemen: three localities); Malash, Edmardash, and Gadallah, 2022:26 (in catalog of Middle Eastern and North African Philanthinae); Dollfuss, 2023a:409 (Oman, Yemen); Gadallah and Abu El-Ghiet, 2024:90 (Saudi Arabia: Jazan Province: Fayfa).

446. *laterimaculata* Empey

Cerceris laterimaculata Empey, 1973:18, ♀. Holotype: ♀, Yemen: Jebel Jibah west of Aden (BMNH). – R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Empey, 1983:177 (bibliographic reference, type examined); Guichard, 1993a:161 (Arabian Peninsula); Gadallah, 2020b:64 (in list of aculeate wasps of Arabian Peninsula); Malash, Edmardash, and Gadallah, 2022:26 (in catalog of Middle Eastern and North African Philanthinae).

447. *lateriproducta* Mochi

Cerceris lateriproducta Mochi, 1938:183, ♀, ♂. Syntypes: Egypt: Fayum, Mansurieh (USNM). – Giner Marí, 1941b:206 (in revision of North African *Cerceris*); Honoré, 1941a:156 (Egypt: Hawamdieh); de Beaumont, 1951b:179 (interpretation of species), 1951f:368 (Erythrea, Sudan; diagnostic characters); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Roche, 1981:5 (in checklist of Sphecidae of United Arab Emirates); Menke *in* Mochi, 1988:43 (type material in USNM); Guichard, 1993a:153 (Arabian Peninsula); K. Schmidt, 2000:111 (in revision of Western Palearctic *Cerceris*); Gadallah and Assery, 2004a:218 (Saudi Arabia: in key to Sphecidae of Jeddah Region), 234 (in catalog of Sphecidae of Saudi Arabia); Roche, 2007a:135 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Dollfuss, 2018:1151 (locality records from Egypt), 2020:99 (Mali: 10 k603m east of Hombori, 10 km south of Mopti); Gadallah, 2020b:64 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021c:603 (Oman: southeast of Qurun; United Arab Emirates: several localities); Malash, Edmardash, and Gadallah, 2022:26 (in catalog of Middle Eastern and North African Philanthinae); Gadallah and Abu El-Ghiet, 2024:90 (Saudi Arabia: Jazan Province: Abu Arish Hot Springs).

448. *latibalteata* Cameron

Cerceris latibalteata Cameron, 1904f:293, ♀. Lectotype: ♀, India: Assam: Khasia Hills (OXUM), designated by Empey, 1984:77 (Article 74.6). – R. Turner, 1912e:496 (in revision of *Cerceris* of Indian subcontinent); Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Empey, 1984:77 (in checklist of Oriental *Cerceris* described by Cameron); Jonathan, Ray, and Kundan Saleui village at u, 2000:211 (India: previously recorded from Meghalaya: East Khasi Hill); X. Li and L. Ma, 2014:2714, 2714 (in key to *Cerceris alboatra*

species group of China, in Chinese; first record fom China: Yunnan: Lijiang: Wenbishan Mountain); Dollfuss, 2020b:121 (Laos: Hua Phan Province: Phou Pan Mountain near Ban Saleui village at 20°13'30"N 103°59'26"E).

Cerceris lepcha Cameron, 1905c:222, ♂. Lectotype: ♂, India: Assam: Khasia Hills (OXUM), designated by Empey, 1984:77. Synonymized with *Cerceris latibalteata* by Empey, 1984:77. – R. Turner, 1912e:497 (in revision of *Cerceris* of Indian subcontinent, may be male of *Cerceris latibalteata*); Empey, 1984:77 (in checklist of Oriental *Cerceris* described by Cameron); Jonathan, Ray, and Kundu, 2000:211 (India: previously recorded from Meghalaya: East Khasi Hills).

449. *latiberbis* Tsuneki

Cerceris latiberbis Tsuneki, 1968e:19, ♂. Holotype: ♂, Australia: Queensland: Island of Prince of Wales (USNM). – R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Evans, 1982a:378 (in revision of Eastern Australian *Cerceris*); Cardale, 1985:300 (in catalog of Australian Sphecidae); Evans, 1988:1 (description of ♀, redescription of ♂), 10 (nesting habits), 1989a:1 (description of ♀); Nuhn and Menke, 1994:26 (holotype in USNM).

Cerceris xanthura Evans, 1982a:345, ♀, ♂. Holotype: ♀, Australia: Queensland: Brisbane: Blunder Creek (Queensland Museum Brisbane). Paratypes: New South Wales, South Australia, Victoria. Synonymized with *Cerceris latiberbis* by Evans, 1988:3. – Evans and Hook, 1882b:160 (occasional communal nesting); Cardale, 1985:303 (in catalog of Australian Sphecidae); Evans and Hook, 1986a:283 (nesting habits), 1986b:1299 (prey: Curculionidae).

450. *laticincta* Lepeletier de Saint Fargeau

Cerceris laticincta Lepeletier de Saint Fargeau, 1845:18, ♀, ♂ (♂ = *Cerceris solitaria*). Syntypes: Algeria: Oran (MNHN). – Lucas, 1849:252 (Algeria: Oran; original description copied with modifications; ♀, nec ♂); F. Smith, 1856:446 (in catalog of Hymenoptera in British Museum); Schletterer, 1887:473 (original description copied), 495 (in checklist of world *Cerceris*); Ed. André, 1889:276, 317 (in revision of Sphecidae of Europe and Algeria), 1891:28* (bibliographic references); Acloque, 1897:81 (in Sphecid Fauna of France and Algeria); Dalla Torre, 1897:466 (in catalog of world Hymenoptera); Graeffe, 1906:455 (Tunisia: Tunis area); Olivier, 1910:163 (Algeria: Saida); Morice, 1911:92 (Algeria: Biskra); von Schulthess, 1926b:211 (Tunisia); Giner Marí, 1941b:288 (original description copied, seems similar to *berlandi* Shestakov); de Beaumont, 1950c:323 (study of syntypes), 1951f:379 (Algeria to Morocco; redescription); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); K. Schmidt, 2000:30 (in revision of Western Palearctic *Cerceris*); Dollfuss, 2018:1151 (Morocco: pass northeast of Msenrir); Ben Khedher, Yildirime, and Braham, 2020c:539 (Tunisia: previously recorded from Tunis by Graeffe, 1906:455, record by von Schulthess, 1926 is probably a misdetermination); Dollfuss, 2021c:603 (Algeria: Boutra; Morocco: Bhalil 10 km northwest of Sefrou; Tunisia: 10 km north of Jendouba); Malash, Edmardash, and Gadallah, 2022:26 (in catalog of Middle Eastern and North African Philanthinae).

Cerceris atlantica Schletterer, 1887:404, ♂. Holotype or syntypes: ♂, Algeria: Alger (NHMW). Synonymized with *Cerceris laticincta* by de Beaumont, 1951b:178. – Schletterer, 1887:486 (in checklist of world *Cerceris*); Ed. André, 1889:286 (in revision of Sphecidae of Europe and Algeria), 1891:29* (bibliographic references); Dalla Torre, 1897:453 (in catalog of world Hymenoptera); Giner Marí, 1941b:212 (in revision of North African *Cerceris*); de Beaumont, 1950f:397 (Algeria); Dollfuss, 1989:8 (type material in NHMW).

451. *latidens* Cameron

Cerceris latidens Cameron, 1902a:99, ♀. Lectotype: ♀, East Malaysia: Sarawak: Kuching (BMNH), designated by Empey, 1984:78 (Article 74.6). – van der Vecht, 1964:364 (in revision of Javan *Cerceris*); Tsuneki, 1974b:593 (Borneo); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Empey, 1984:78 (in checklist of Oriental *Cerceris* described by Cameron); Dollfuss, 2020b:121 (Indonesia: southern Sumatra: Lampung Province: 5 km southwest of Liwa at 5°4'S 104°04'E).

452. *latifrons* Bingham

Cerceris latifrons Bingham, 1902:214, ♀. Lectotype: ♀, South Africa: Transvaal-Natal border, now Mpumalanga–KwaZulu-Natal border: no specific locality (BMNH), designated by Evans, 1983:177 (Article 74.6). – Brauns, 1926:303 (in revision of Afrotropical *Cerceris*); Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:140, 146 (in key to Afrotropical *Cerceris*); nec Arnold, 1942:plate II fig. 26 (= *Cerceris fingo*); de Beaumont, 1967b:506 (South Africa: Cape Province); Empey, 1969a:312 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); F. Gess, 1980a:86 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown), 87 (prey: melolonthine beetles), 1981:21 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown; nesting in sandy soils in very deep nests; prey: Scarabaeidae: Hopliini; as *latifrons latifrons*), 40 (method of digging nest); Empey, 1983:177 (bibliographic reference, type examined); Callan, 1987:102 (prey: Scarabaeidae Melolonthini: probably *Dicranocnemus*); S. Gess, 1996:280, 282, 287 (floral records, as *latifrons latifrons*); S. Gess and F. Gess, 2003:133 (South Africa: visiting flowers of *Athanasia trifurcata* (L.) L. and *Senecio rosmarinifolia* L. f., Asteraceae, and *Acacia caffra* (Thunb.) Willd., Fabaceae, as *latifrons latifrons*); Dollfuss, 2020a:100 (locality records from South Africa).

Cerceris sedula Arnold, 1940:104, ♀, ♂. Lectotype: ♀, Zimbabwe: Vumbu Mountains (SAM), designated by Empey, 1983:177. Synonymized with *Cerceris latifrons* by Empey, 1983:177. – **As *Cerceris latifrons sedula***: Empey, 1969a:312 (new status, in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Hancock, Chahwanda, and Mhlanga, 1995:38 (paralectotypes in Bulawayo Museum).

453. *lativentris* Gussakovskij

Cerceris lativentris Gussakovskij, 1938:7, ♀, Holotype: ♀, China: Kiangsu Province: no specific locality (NRS). – R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

454. *latro* F. Smith

Cerceris latro F. Smith, 1856:459, ♀. Holotype or syntypes: ♀, Brazil: Pará: Belém (BMNH). – Schletterer, 1887:495 (in checklist of world *Cerceris*); Dalla Torre, 1897:466 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Amarante, 2002:60 (in catalog of Neotropical Crabronidae).

455. *lauta* Sk. Yamane and Tano

Cerceris lauta Sk. Yamane and Tano, 1995:19, ♀. Holotype: ♀, Japan: southern Ryukyu Islands: Island of Iriomote-jima: Komi (depository not stated). – Yamane, Ikudome, and Terayama, 1999:548 (Japan: in Identification Guide to Crabronidae of Nansei = Ryukyu Islands); Terayama and Tano, 2005:3 (in key to Japanese *Cerceris*); Kawano and Sk.Yamane, 2014:151 (description of ♂, redescription of ♀); R. Ito and Kawano, 2022:53 (Japan: Ryukyu Island: first record from Yonaguni Island).

456. *laxata* Shestakov

Cerceris laxata Shestakov, 1918a:140, ♀. Holotype or syntypes: ♀, Kazakhstan: Baigakum near Dzhulek = Chiili (ZMMU). – R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Kazenas, 1978b:64 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:163 (in revision of *Cerceris* of Kazakhstan and Central Asia), 2001b:56 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:115 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:147 (geographic distribution, collecting localities in Kazakhstan); Dollfuss, 2021c:603 (Kazakhstan: 20 km southeast of Karatau at 43°15'04"N 70°15'00"E).

As *Cerceris ferreri*: Radoszkowski, 1877:55 (Kazakhstan: Bairakum), corrected to *Cerceris laxata* by Shestakov, 1918a:131.

457. *leucochroa* Schletterer

Cerceris leucochroa Schletterer, 1887:407, ♀. Holotype or syntypes: ♀, Sudan: Kordofan: no specific locality (NHMW). – Schletterer, 1887:496 (in checklist of world *Cerceris*); Ed. André, 1889:335 (in revision of Sphecidae of Europe and Algeria), 1891:27* (bibliographic references); Dalla Torre, 1897:466 (in catalog of world Hymenoptera); Giner Marí, 1941b:203 (in revision of North African *Cerceris*); Empey, 1969a:313 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Empey, 1983:177 (bibliographic reference, type not examined); Dollfuss, 1989:8 (type material in NHMW); Roche, 2007a:142 (records from Egypt are questionable); Malash, Edmardash, and Gadallah, 2022:27 (in catalog of Middle Eastern and North African Philanthinae).

458. *leytensis* Tsuneki

Cerceris leytensis Tsuneki *in* Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:81, ♂. Holotype: ♂, Philippines: Leyte: Lake Imelda (depository originally not stated, now USNM). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:52 (in key to *Cerceris* of Philippines); Nuhn and Menke, 1994:26 (holotype transferred to USNM).

459. *listrognatha* Evans

Cerceris listrognatha Evans, 1982a:333, ♀, ♂. Holotype: ♀, Australia: Queensland: Claudie River in Cape York (National Museum of Victoria, Melbourne). Paratypes: New South Wales. – Cardale, 1985:300 (in catalog of Australian Sphecidae).

460. *ljubae* Fritz

Cerceris ljubae Fritz, 1990:154, ♀, ♂. Holotype: ♀, Paraguay: Caaguazú: Caaguazú (originally M. Fritz coll., now MACN). – Fritz, 1993:17 (holotype in M. Fritz coll.); Amarante, 2002:60 (in catalog of Neotropical Crabronidae).

461. *lobaba* W.F. Kirby

Cerceris lobaba W.F. Kirby, 1900:18, ♀. Holotype: ♀, Yemen: island of Socotra: Homhil (BMNH). – W.F. Kirby, 1903:245 (Socotra, redescription); Kohl, 1906a:211 (original description copied); Empey, 1969a:313 (in checklist of Afrotropical *Cerceris*, as *lobata*), 1973:11 (redescription of ♀; description of ♂); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Empey, 1983:178 (bibliographic reference, type examined); Gadallah, 2020b:64 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021c:603 (Yemen: Island of Sokotra: Zemhon area at 12.354014°N 54.111391°E); Malash, Edmardash, and Gadallah, 2022:27 (in catalog of Middle Eastern and North African Philanthinae).

462. *longilabris* Arnold

Cerceris longilabris Arnold, 1946:83, ♀. Syntypes: ♀, Zambia: Kaputa in Mweru District (SAM). – Empey, 1969a:313 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Empey, 1983:178 (bibliographic reference, type examined).

463. *longitudinalis* Giordani Soika

Cerceris longitudinalis Giordani Soika, 1942:206, ♂. Holotype: Somalia: Iscia Baidoa (Univ. Torino). – Empey, 1969a:313 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Empey, 1983:178 (bibliographic reference, holotype examined).

464. *longiuscula* Arnold

Cerceris longiuscula Arnold, 1951:101, ♂. Holotype: ♂, Ghana: Kpeve (BMNH). – Empey, 1969a:313 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Empey, 1983:178 (bibliographic reference, type examined).

Cerceris bambesae Empey, 1972:48, ♀. Holotype: ♀, Zaire: Bembesa (MRAC). Synonymized with *Cerceris longiuscula* by Empey, 1983:178. – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae).

465. *luchti* van der Vecht

Cerceris luchti van der Vecht, 1964:360, ♀, ♂. Holotype: ♀, Indonesia: Java: Mount Gedeh: Tjibodas (RMNH). – R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Dollfuss, 2020b:121 (locality records from Laos).

466. *luculenta* Evans

Cerceris luculenta Evans, 1982a:363, ♀. Holotype: ♀, Australia: New South Wales: 27 mi. north of Bourke (ANIC). – Cardale, 1985:300 (in catalog of Australian Sphecidae).

467. *lunata* A. Costa

? *Crabro affinis* Rossi, 1792:137, sex not stated. Holotype or syntypes: Italy: Toscana: Pisa area (lost). – de Beaumont, 1950c:320 (probable synonym of *Cerceris lunata*). – **As *Cerceris affinis***: Vander Linden, 1829:121 (new generic assignment, bibliographic references, discussion of status);

Cerceris dorsalis Dufour, 1849:93, ♀, junior primary homonym of *Cerceris dorsalis* Eversmann, 1849. Holotype or syntypes: ♀, Spain: Madrid (MNHN). Synonymized with *Cerceris lunata* by Shestakov, 1928:268. – Ed. André, 1889:337 and 1891:30* (unrecognizable species); De Stefani Perez, 1895:227 (in catalog of Sicilian Hymenoptera); Dalla Torre, 1897:457 (in catalog of world Hymenoptera, authorship attributed to André); Mercet, 1914:445 (recorded from Spain); Giner Marí, 1941a:86 (original description translated into Spanish); de Beaumont, 1950c:342 (study of syntypes, synonymy with *Cerceris lunata* confirmed).

Cerceris lunata A. Costa, 1867c:60, ♀. Lectotype: ♂ [*sic*], Italy: Calabria: Brancaleone (Napoli), designated by de Beaumont, 1950c:326. – A. Costa, 1872a:60 (in revision of Italian Sphecidae); Schletterer, 1887:385 (in revision of Palearctic *Cerceris*), 496 (in checklist of world *Cerceris*); Ed. André, 1889:273 (in revision of Sphecidae of Europe and Algeria); Schletterer, 1889a:901 (faunal records); Ed. André, 1891:27* (bibliographic references); Baldini, 1894:58 (Italy: Modena area); Medina, 1894b:262 (Spain: Calañas); Dalla Torre, 1897:466 (in catalog of world Hymenoptera); Medina, 1899:115 (Spain: Sevilla); Morice, 1911:83 (Algeria: Biskra, Hippône (now Annaba), Médéa); Mercet, 1914:445 (recorded from Spain); Shestakov, 1916:232 (Caucasus), 1917c:47 (Ukraine: Crimea); Fahringer, 1922:178 (Turkey); Shestakov, 1923:104, 105 (in key to subgenus *Apiraptrix*), 113 (bibliographic reference, distribution); Berland, 1925d:56 (in Sphecid Fauna of France); von Schulthess, 1926b:211 (Tunisia); Shestakov *in* Nadig, 1933:97 (Morocco); Guiglia, 1934b:297 (Libya: bibliography and summary of locality records); Gussakovskij, 1935:445 (Tajikistan: Kulab area); Giner Marí, 1941a:25 (in revision of Spanish *Cerceris*), 1943a:95 (in Sphecid Fauna of Spain); Guiglia, 1943b:70 (Albania: Kopliku), 1944a:146 (Cyprus: Limassol); Giner Marí, 1945a:247 (Cyprus); de Beaumont, 1947b:384 (Cyprus); Šnoflák *in* Zavadil and Šnoflák, 1948:87, 93 (in key to Sphecidae of Czechoslovakia, not yet found in Czechoslovakia); de Andrade, 1949:10 (Portugal: Lisboa); Pittioni, 1950:21 (Cyprus); de Beaumont 1951f:314 (Algeria, Tunisia; geographic variation), 1952a:47 (in revision of *Cerceris* of France: Aix, Bézier, Montpellier), 1954e:86 (Italy); Bytinski-Salz, 1956:225 (Turkey: Konya); Ceballos, 1956:369 (in catalog of Hymenoptera of Spain); Grandi, 1957:388 (Italy); de Beaumont, 1958d:271 (Greece), 279 (Cyprus; color variation); Pulawski, 1958a:166 (Bulgaria: Akhtopol, Nesebar, Varna); de Beaumont, 1959a:14 (Italy); de Beaumont and Bytinski-Salz, 1959:109 (Israel); Diniz, 1959:28 (Portugal: Lisboa); de Beaumont, 1960a:6 (Greece: Island of Rhodes), 1962b:20 (Spain); Ceballos, 1964:88 (in supplement to catalog of Spanish Sphecidae); de Beaumont, 1965a:19 (Greece); Diniz, 1966:7 (Portugal: Estoril, Lisboa); Balthasar, Hrubant, and Hrubant, 1967:174 (Bulgaria: Slanchev Bryag near Nessebar); de Beaumont, 1967a:283 (Turkey), 1969:82 (Turkey); Scobiola-Palade, 1971:202 (first record from Romania: Dolj Department: Branişte, Gorj Department: Tîntăreni, Ilfov Department: Frăteşti and Pusnicu Forest; color variation); Balthasar, 1972:399 (in Sphecid Fauna of Czechoslovakia: not yet found in the country); Kazenas, 1972b:128 (Kazakhstan); Erlandsson, 1974:62 (Spain, Yugoslavia); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Georghiou, 1977:189 (Cyprus); Kazenas, 1978b:50, 55 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1978:188, 190 (in key to

Sphecidae of European part of USSR); Pagliano, 1980:126 (Italy: Calabria); Gayubo, 1982e:110 (Spain: Cádiz Province); Dollfuss, 1983b:25 (records from Austria questionable); Gayubo, 1983e:238 (Spain: Salamanca Province), 1984c:383 (Portugal: El Algarve Province, as *lunata lunata*); Gayubo and Tormos, 1984:25 (Spain: Valencia, as *lunata lunata*); Kazenas, 1984a:23 (in revision of *Cerceris* of Kazakhstan and Central Asia); Pagliano, 1987:160 and 167 (in key to *Cerceris* of Italy); Tormos and Jiménez, 1987a:128 (Spain: Valencia, as *lunata lunata*); Pagliano, 1988:163 (in revision of Italian Philanthinae), 1990:98 (in catalog of Italian Sphecidae); Dollfuss, 1991:221 (in key to Sphecidae of North and Central Europe); Gayubo, Borsato, and Osella, 1992:291 (Greece); Gayubo and Borsato, 1994:222 (Italy: Toscana); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:347 (in Sphecid Fauna of Western Europe); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Esenbekova and Kazenas, 2000:76 (southeastern Kazakhstan: 18-25 km west of Alma Ata, 30 km east of Chilik, 5 km south of Talgar); Giachino, Grosso, Marchetti, Pagliano, Scaramozzino, and Vailati, 2000:110 (Greece); Ljubomirov, 2000:13 (Bulgaria, specimens in N. Nedelkov collection); K. Schmidt, 2000:164 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:57 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:105, 109 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:148 (geographic distribution, collecting localities in Kazakhstan); Pagliano and Negrisolo, 2005:336 (in Sphecid Fauna of Italy); Shorenko, 2005a:169 (Ukraine: Crimea), 2005b:99 (Ukraine: Crimea: Karadagh Nature Reserve); Yildirim and Ljubomirov, 2005:1803 (Turkey: Ankara, Balıkesir, Bilecik, Erzurum, and Konya provinces); Standfuss and Standfuss, 2006b:100 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Roche, 2007a:131 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Coumar and Dey, 2008:340 (India: Bihar: Benhar and Chapra, redescription); Ljubomirov and Yildirim, 2008:144 (in catalog of Crabronidae of Turkey); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); Pagliano, 2009:183 (Italy: recorded from Lombardia by Bezzi, 1891); Shorenko, 2009:369 (in list of Sphecidae *sensu lato* of Crimea); Bitsch, 2010:118 (in supplement to vol. II of Faune de France, 1997: France: first record from Gard: Quissac); Rudoiskatel', 2010:148 (Russia: southern Ural Mountains); Tüzün and Yüksel, 2010:4475 (Turkey: Niğde Province); Prisniy, 2012:52 (Russia: Belgorod Oblast'); Yildirim, 2012:78 (Turkey: Erzurum: University campus, as *lunata lunata*); Kazenas, 2013b:500 (southeastern Kazakhstan: 30 km east of Chilik); Protsenko, Fateryga, and Ivanov, 2014:35 (Crimea: many localities); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); P. Rosa and Pagliano, 2015:98 (Italy: Lombardia and Piemonte: Parco del Ticino); Mokrousov and Popov, 2016:591 (Russia: Krasnodarskiy Kray); Arens, 2017a:640 (Greece: Peloponnesus), 649 (in key to males of Peloponnesus with irregular tergal maculation and basal platform on sternum II); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia); Shorenko, 2017:80 (in Crimea collected in May through August); Dollfuss, 2018:1151 (locality records from Algeria, Bulgaria Croatia, Greece, Iran, Israel, Jordan, Kazakhstan, Slovaka, Syria, Tajikistan, Tunisia, Turkey, Ukraine, and Uzbekistan); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:9 (Azerbaijan: Nakhichevan Autonomous Republic); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:17 (Iran: known from Golestan and Kerman provinces); Ben Khedher, Yildirime, and Braham, 2020c:539 (Tunisia: previous records summarized, new locality records from Kairouan and Sidi Bouzid provinces); Shorenko, 2020:49 (Crimea: Karadag Nature Reserve); Cross, Baldock, and Wood, 2021:65 (in catalog of Sphecidae *sensu lato* of Portugal); Dollfuss, 2021a:943 (locality records from Bulgaria, Croatia, Greece, Iran, and Turkey), 2021c:603 (locality records from Bulgaria, Cyprus, Greece, Iran, Israel, Italy, Syria, Turkey, and Ukraine: Syvash); Kaplan and Yildirim, 2021:96 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:27 (in catalog of Middle Eastern and North African Philanthinae); K. Schmidt and Bitsch *in* Bitsch,

Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:256 (in revision of Sphecidae *sensu lato* of Europe); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

Cerceris funerea A. Costa, 1867c:92, ♀. Holotype or syntypes: ♀, Italy: Sicilia: Madonie (Napoli). Synonymized with *Cerceris lunata* by de Beaumont, 1950c:326. – s (Armenia: Mount Ararat); Dalla Torre, 1897:462 (in catalog of world Hymenoptera); Schmiedeknecht, 1907:238, 241 (in key to Hymenoptera of Central Europe), 1930:699 (in keys to Hymenoptera of North and Central Europe); Šnoflák *in* Zavadil and Šnoflák, 1948:85, 93 (in key to Sphecidae of Czechoslovakia, not yet found in Czechoslovakia); Ceballos, 1956:368 (in catalog of Hymenoptera of Spain); Diniz, 1959:28 (Portugal: Paço de Rei, Serra do Montemuro, Vale de Gaio). – **As *Cerceris lunata funerea***: R. Bohart and Menke, 1976:583 (new status, in checklist of world Sphecidae); Józan, 1985b:62 (recorded from Zamardi and Simontornya by Bajári, 1956), 72 (map of distribution in Hungary), 85 (ecological and zoogeographic characteristics), 1986:375 (Hungary: Kiskunság National Park); Pagliano, 1990:98 (in catalog of Italian Sphecidae); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Józan, 2001:281 (Hungary: Somogy County); Generani, Pagliano, Scaramozzino, and Strumia, 2003:65 (Italy: Arcipelago Toscano); Schmid-Egger, 2003:751 (Malta: Busket); Bitsch, 2010:118 (in supplement to vol. II of Faune de France, 1997: recently recorded from Hungary and Italy); Schmid-Egger, Dandria, and Xuereb, 2016:81 (in checklist of Crabronidae of Maltese Islands)p. – **Nec following authors** (= *Cerceris fimbriata*): Schletterer, 1887:382; Ed. André, 1889:272, 297, 1891:27*; F. Morawitz, 1894:351; Mercet, 1914:445; Shestakov, 1914b:408, 1916b:232, 1918a:133, 1923:102, 104, 115; Schmiedeknecht, 1930:702; Gussakovskij, 1935:445; Giner Marí, 1941a:29 (= *Cerceris eryngii* and *fimbriata*); Giordani Soika, 1944:12; Guiglia, 1944b:12; de Andrade, 1949:11; Bajári, 1956a:81, 1957a:33.

Cerceris lunata A. Costa, 1869b:106, ♀. Objective synonym of *Cerceris lunata* A. Costa, 1867c:90.

Cerceris funerea A. Costa, 1869b:108, ♀. Objective synonym of *Cerceris funerea* A. Costa, 1867c:92.

Cerceris moesta De Stefani Perez, 1884b:198, ♀. Syntypes: ♀, Italy: Sicilia: Santa Ninfa (depository unknown); and Greece: no specific locality (O. Radoszkowski coll.). Synonymized with *Cerceris lunata* by K. Schmidt, 2000:164. – Schletterer, 1887:474 (original description copied), 497 (in checklist of world *Cerceris*); Ed. André, 1889:254, 283 (in revision of Sphecidae of Europe and Algeria), 1891:26* (bibliographic references); De Stefani Perez, 1895:227 (in catalog of Sicilian Hymenoptera); Dalla Torre, 1897:467 (in catalog of world Hymenoptera, as *maesta*); de Beaumont, 1957d:337 (unrecognizable species; as *maesta*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Pagliano, 1990:98 (in catalog of Italian Sphecidae, as nomen dubium); Pagliano and Negrisolo, 2005:489 (in Sphecid Fauna of Italy, as nomen dubium).

Cerceris pyrenaica Schletterer, 1887:476. Substitute name for *Cerceris dorsalis* Dufour (Dufour's original description copied). – Schletterer, 1887:500 (in checklist of world *Cerceris*); Ed. André, 1891:30* (unrecognizable species).

As *Cerceris variabilis* (partly): Radoszkowski, 1877:63 (Uzbekistan), corrected to *Cerceris funerea* by Shestakov, 1918a:161.

ssp. *tenebricosa* Giner Marí

Cerceris tenebricosa Giner Marí, 1941b:185, ♀, ♂. Holotype: sex not stated: Morocco: El Hajeb (MNCN). – **As *Cerceris lunata tenebricosa***: de Beaumont, 1951f:314 (new status), 1953g:120 (Morocco); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); K. Schmidt, 2000:165 (in revision of Western Palearctic *Cerceris*); Malash, Edmardash, and Gadallah, 2022:28 (in catalog of Middle Eastern and North African Philanthinae).

468. *lunigera* Dahlbom

Cerceris lunigera Dahlbom, 1845:499, ♀. Lectotype: ♀, South Africa: Western Cape Province: Cape of Good Hope (NRS), designated by Empey, 1971a:236 (Article 74.6). – F. Smith, 1856:449 (in catalog of Hymenoptera in British Museum); Schletterer, 1887:496 (in checklist of world *Cerceris*); Dalla Torre, 1897:466 (in catalog of world Hymenoptera); Arnold, 1931:135 (unrecognizable species); Empey, 1969a:313 (in checklist of Afrotropical *Cerceris*), 1971a:235 (redescription); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Gess, 1980a:86 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown), 88 (prey: *Halictus* sp. and *Lasioglossum* sp., halictids), 1981:21 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown; nesting in clayey soils; prey: halictids); Empey, 1983:178 (bibliographic reference, type examined); S. Gess and F. Gess, 2003:133 (South Africa: visiting flowers of *Foeniculum vulgare* Mill., Apiaceae, and *Acacia karroo* Hayne, Fabaceae); Dollfuss, 2020a:100 (locality records from Botswana, Ethiopia, Ghana, Kenya, Malawi, Mozambique, Namibia, South Africa, Tanzania, Zambia, and Zimbabwe).

Cerceris albigena Cameron, 1905m:217, ♀. Lectotype: ♀, South Africa: Eastern Cape Province: Pearston (BMNH), designated by Empey, 1983:178 (Article 74.6). Synonymized with *Cerceris lunigera* by Empey, 1983:178. – Arnold, 1931:191 (original description copied); Empey, 1969a:300 (in checklist of Afrotropical *Cerceris*), 1972:63 (♀ redescribed, description of ♂), 1974:100 (holotype in BMNH); R. Bohart and Menke, 1976:576 (in checklist of world Sphecidae).

Cerceris whiteana Cameron, 1905m:225, ♀. Lectotype: ♀, South Africa: Eastern Cape Province: Grahamstown: Brak Kloof (AMG), designated by Jacot-Guillarmod, 1961:12 (Article 74.6). Synonymized with *Cerceris lunigera* by Empey, 1969a:313. – Brauns, 1917:240 (as new synonym of *Cerceris spinicaudata*), 1926:336 (as synonym of *Cerceris spinicaudata*); Jacot-Guillarmod, 1961:12 (type material in Albany Museum, Grahamstown); Empey, 1974:117 (taxonomic history).

Cerceris holconotula Brauns, 1926:plate XLIV, fig. 13, ♀. Holotype: ♀, South Africa: Cape Province: Port Elizabeth (TMP). Synonymized with *Cerceris lunigera* by Empey, 1969a:313. – Arnold, 1931:143, 148 (in key to Afrotropical *Cerceris*), 150 (redescription of ♀, description of ♂, type locality).

Cerceris nobilitata race *sordidula* Arnold, 1931:153, ♀. Holotype: ♀, South Africa: Western Cape Province: Ceres (BMNH). Synonymized with *Cerceris lunigera* by Empey, 1983:178. – **As *Cerceris nobilitata sordidula***: Empey, 1969a:317 (in checklist of Afrotropical *Cerceris*), 1974:111 (description of ♂); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); not listed by Empey, 1983.

469. *lutphia* Kazenas

Cerceris luthpia Kazenas, 1980f:81, ♀, ♂. Holotype: ♀, Tajikistan: Garavuty area (ZIN). – Kazenas, 1984a:164 (in revision of *Cerceris* of Kazakhstan and Central Asia); Nazarova and Shomirsaidov, 1997:24 (Tajikistan: fruit tree orchards in Vakhsh River valley); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Kazenas, 2001b:57 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:114, 119 (in key to *Cerceris* of Kazakhstan and Central Asia).

470. *lutzi* Scullen

Cerceris lutzi Scullen, 1972:85, ♀, ♂. Holotype: ♀, Panama: El Volcan Chiriquí (AMNH). – R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); G. Ferguson, 1984c:488 (listed); Evans, 1992:91 (nest and prey); Amarante, 2002:60 (in catalog of Neotropical Crabronidae).

471. *luxuriosa* Dahlbom

Cerceris luxuriosa Dahlbom, 1845:498, ♂. Holotype: ♂, Egypt or Sudan: Nubia: Syrkut (NRS). – F. Smith, 1856:448 (in catalog of Hymenoptera in British Museum); Schletterer, 1887:496 (in checklist of world *Cerceris*); Dalla Torre, 1897:466 (in catalog of world Hymenoptera); de Beaumont, 1950c:324 (study of holotype), 1951b:177 (synonymy reviewed), 1951f:317 (Lower Egypt to Khartum in Sudan; diagnostic characters); Pulawski, 1964:72 (Egypt: Aswan); R. Bohart and Menke, 1976:583 (in checklist of world

Sphecidae); K. Schmidt, 2000:166 (in revision of Western Palearctic *Cerceris*); Roche, 2007a:131 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Augul, 2017:199 (recorded from Iraq by Morice, 1921 and Dervesh, 1965 as *Cerceris subimpressa*); Dollfuss, 2021c:604 (Iran: Golestan: 70 km east of Minudasht at 37.26°N 55.99°E); Malash, Edmardash, and Gadallah, 2022:28 (in catalog of Middle Eastern and North African Philanthinae).

Cerceris subimpressa Schletterer, 1887:389, ♀, ♂. Syntypes: Egypt (NHMW). Synonymized with *Cerceris luxuriosa* by de Beaumont, 1950c:324 and 1951b:177. – Schletterer, 1887:503 (in checklist of world *Cerceris*); Ed. André, 1889:264, 267 (in revision of Sphecidae of Europe and Algeria); Schletterer, 1889a:902 (Savigny, 1817, pl. X, Fig. 3 represents *subimpressa*); Ed. André, 1891:27* (bibliographic references); Dalla Torre, 1897:478 (in catalog of world Hymenoptera); Longstaff, 1911:125 (Sudan: Mogran); Morice, 1921:822 (Iraq: Amara); Shestakov, 1923:104 (in key to subgenus *Apiraptrix*), 114 (bibliographic reference, distribution); Guiglia, 1932b:99 (Libya: Fezzan: Auenat); nec Shestakov *in* Nadig, 1933:98 (= *Cerceris ibericella*); Guiglia, 1934b:297 (Libya: bibliography and summary of locality records); Giner Marí, 1941b:155 (original description translated into Spanish); Honoré, 1941a:153 (Egypt, redescription); nec Deleurance, 1946b:67 (= *Cerceris ibericella*); Derwesh, 1965:70 (Iraq: no specific locality); Dollfuss, 1989:8 (type material in NHMW).

472. *luzonensis* Crawford

Cerceris luzonensis Crawford, 1910:120, ♂. Holotype: ♂, Philippines: no specific locality (USNM). – Baltazar, 1966:351 (in catalog of Hymenoptera of Philippines); Tsuneki, 1968f:21 (Luzon; differences between Taiwanese and Philippinese populations); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Tsuneki, 1976b:36 (Philippines, description of ♀), 1984b:50 (Philippines); Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:45, 49 (in key to *Cerceris* of Philippines), 56 (Philippines, variation); Valentine, 1995:52 (anthribid prey: *Phloeobius pallipes* Jordan); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Haneda, 2011:47 (Philippines: Palawan: Puerto Princesa); Dollfuss, 2020b:121 (Indonesia: southern Sulawesi: Island of Buton: southern Lasalimu region).

Cerceris pleuralis Tsuneki, 1968f:23, ♀, junior primary homonym of *Cerceris pleuralis* H. Smith, 1908. Holotype: ♀, Philippines: Luzon: Banqui (USNM). Synonymized with *Cerceris luzonensis* by Tsuneki, 1984b:50. – R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Nuhn and Menke, 1994:26 (holotype in USNM).

ssp. *fukaii* Rohwer

Cerceris fukaii Rohwer, 1911a:482, ♂. Holotype: ♂, Taiwan: Horisha (USNM). – Strand, 1913b:163 (Taiwan, redescription); Iwata, 1939b:172 (nesting habits); Giner Marí, 1943d:209 (redescription); Scullen, 1960:80 (as new synonym of *Cerceris luzonensis*); Tsuneki, 1965d:4 (prey record summary: Chrysomelidae). – **As *Cerceris luzonensis fukaii***: Tsuneki, 1970c:3, 5 (in key to *Cerceris* of Taiwan), 13 (new status, Taiwan, redescription); Haneda, 1971b:32 (Taiwan); Tsuneki, 1972c:5 (Taiwan); Murota, 1973b:117 (Taiwan); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Tsuneki, 1977j:263 (Taiwan: Takao, Teraso, Thaihorinsho); Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:57 (may be full species); Porter, Stange, and Wang, 1999:14 (in checklist of Sphecidae of Taiwan); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

Cerceris fukaii form *superflua* Strand, 1913b:164, ♂. Lectotype: ♂, Taiwan: no specific locality (DEI), designated by Oehlke and Wudowenz, 1974:425. Synonymized with *Cerceris luzonensis fukaii* by R. Bohart and Menke, 1976:583. – Strand, 1927:253 (in list of species described by author, as *cuperflua*). – **As *Cerceris superflua***: Giner Marí, 1943d:211 (full species status, redescription); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

473. *lynchii* Brèthes

Cerceris lynchii Brèthes, 1910a:273, ♀ (as *Lynchii*, incorrect original capitalization). Holotype: ♀, Argentina: Chaco: Las Mercedes (MACN). – Schrottky, 1913a:230 (Argentina: Chaco); Fritz, 1968b:168 (study of holotype); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Genise, 1990:26 (type material in MACN); Amarante, 2002:60 (in catalog of Neotropical Crabronidae).

474. *macalanga* Brauns

Cerceris macalanga Brauns, 1926:294, ♀. Holotype: ♀, Zimbabwe: Sawmills (TMP). – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:141, 148 (in key to Afrotropical *Cerceris*), 151 (description of ♂), 1942:12 (♂ redescribed), 1951:116 (illustration); Empey, 1969a:313 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Empey, 1983:178 (bibliographic reference, type examined); Dollfuss, 2020a:101 (locality records from Ghana, Mali, Mozambique, South Africa, and Zambia).

475. *mackinnona* Dollfuss

Cerceris mackinnona Dollfuss, 2023b:318, ♀, ♂. Holotype: ♀, Kenya: Coast Province: south of Mackinnon Road (OÖLM). Paratypes: Ethiopia, Tanzania.

476. *macswaini* Scullen

Cerceris macswaini Scullen, 1965b:485, ♀, ♂. Holotype: ♀, USA: California: Imperial County: no specific locality (USNM). – R. Bohart and Grissell, 1975:49 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Krombein, 1979b:1735 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:488 (in annotated list of North American and Caribbean *Cerceris*); Wiesenborn, Heydon, and Lorenzen, 2008:54 (Arizona: Topock Marsh).

477. *macula* (Fabricius)

Philanthus macula Fabricius, 1804:305, sex not stated. Lectotype: ♂, South Africa: Western Cape Province: Cape of Good Hope area (ZMUC), designated by van der Vecht, 1961a:67. – Thunberg, 1815b:288 (diagnostic characters), 293 (redescription,); Dalla Torre, 1897:488 (in catalog of world Hymenoptera); W. Schulz, 1912:70 (*macula* is correct, not *maculatus*, Thunberg's specimens not preserved in his collection), 89 (redescription of Fabricius's type material). – **As *Cerceris macula***: van der Vecht, 1961a:67 (new generic assignment, redescription); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Empey, 1983:178 (bibliographic reference, type examined).

478. *maculata* Radoszkowski

Cerceris maculata Radoszkowski, 1877:57, ♀. Holotype: ♀, Kazakhstan: Kyzil Kum: no specific locality (ZMMU). – Schletterer, 1887:474 (original description copied), 496 (in checklist of world *Cerceris*); Ed. André, 1889:338, and 1891:30* (unrecognizable species); Radoszkowski, 1893a:66 (Turkmenistan); Dalla Torre, 1897:466 (in catalog of world Hymenoptera); nec R. Turner, 1912e:819 (= *Cerceris turneri*); Kohl, 1916:117 (as synonym of *Cerceris funerea* and *pallidopicta*); Shestakov, 1918a:141 (Uzbekistan and Turkmenistan), 1926 (Kohl's 1916 interpretation corrected); Myartseva, 1963b:61 (Turkmenistan: lower Murgab River), 1965:94 (Turkmenistan: Akibay, Murgab district, Kara-Yab in Sakar-Chagin district, Bayram-Ali district), 1971b:180 (ranges slightly outside Turanian Province); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Pulawski, 1983:240 (diagnostic characters and synonymy); Kazenas, 1984a:75 (in revision of *Cerceris* of Kazakhstan and Central Asia); Pagliano, 1988:171 (in revision of Italian Philanthinae), 1990:98 (in catalog of Italian Sphecidae); Kazenas, 1992c:29 (Turkmenistan: Repetek Nature Reserve); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna, referring to *C. distans* in Grandi, 1931:58); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:349 (specimen recorded by Grandi, 1931, as *C. distans*, is probably *Cerceris odontophora*); Esenbekova and Kazenas, 2000:76 (southeastern Kazakhstan: 3 km northeast of Borandysu, 10 km northwest and 20 km west of Chundzha);

Kazenas, 2001b:57 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:111 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:148 (geographic distribution, collecting localities in Kazakhstan); Pagliano and Negrisolo, 2005:332 (in Sphecid Fauna of Italy, Grandi's record from Italy, as *C. distans*, needs confirmation); Kazenas, 2013b:500 (southeastern Kazakhstan: 3 km northeast of Borandysu, 10 km northwest of Chundzha on Sharyn River); Dollfuss, 2018:1152 (locality records from Kazakhstan, Turkmenistan, and Uzbekistan), 2021c:604 (locality records from Iran, Kazakhstan, Turkmenistan, and Uzbekistan); Malash, Edmardash, and Gadallah, 2022:28 (in catalog of Middle Eastern and North African Philanthinae); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

As *Cerceris variabilis* (partly): Radoszkowski, 1877:63 (Uzbekistan), corrected to *Cerceris puncticeps* by Shestakov, 1918a:161.

Cerceris orientalis Mocsáry, 1883:47, ♀, junior primary homonym of *Cerceris orientalis* F. Smith, 1856. Holotype: ♀, "Russia mer.-or.", now Kazakhstan, not Caucasus (lost). Neotype: holotype of *Cerceris maculata* Radoszkowski, designated by Pulawski, 1983:240. Synonymized with *Cerceris maculata* by Pulawski, 1983:240. – Kohl, 1888a:139 (comparison with *Cerceris eugenia*).

Cerceris eugenia Schletterer, 1887:390. Substitute name for *Cerceris orientalis* Mocsáry, 1883. – nec Schletterer, 1887:390 (= *Cerceris hathor*), nec Kohl, 1888a:139 (= *Cerceris hathor*); Schletterer, 1887:490 (in checklist of world *Cerceris*); Gasperini, 1889:69 (Dalmatia); nec Ed. André, 1889:268 (= *Cerceris hathor*); Dalla Torre, 1897:459 (in catalog of world Hymenoptera); Shestakov, 1915:14 (Turkmenistan: Imam Baba; description of ♂, as *eugeniae*); Kohl, 1916:111 (may be a variety of *Cerceris odonthophora*); Shestakov, 1918a:131 (Turkmenistan: Imam Baba); nec Giner Marí, 1941b:224, de Beaumont, 1951b:180, 1951f:339, 1953g:122, 1956a:186, 1958b:59, and Pulawski, 1964:73 (= *Cerceris hathor*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Kazenas, 1978b:58 (in key to Sphecidae of Kazakhstan and Central Asia).

Cerceris mocsaryi Kohl, 1888:139 (as *Mocsaryi*, incorrect original capitalization). Substitute name for *Cerceris orientalis* Mocsáry, 1883. – Nec Kohl, 1888:139 (= *Cerceris fischeri*); nec Schletterer, 1889a:890 (= *Cerceris fischeri*); Ed. André, 1889:330 (in revision of Sphecidae of Europe and Algeria), 1891:29* (bibliographic references); Dalla Torre, 1897:467 (in catalog of world Hymenoptera); Shestakov, 1918a:146 (Turkmenistan), 1923:104 (in key to subgenus *Apiraptrix*); Myartseva, 1963b:61 (Turkmenistan: lower Murgab River), 1965:94 (Turkmenistan: Akibay and Murgab district, Kelte-Chigar, Krasnovodsk, Tedjen).

Cerceris denticulata Schletterer, 1889a:894, ♀, ♂ (♀ = *Cerceris dispar*). Holotype: Transcaspia: Asmabad (probably Ashabad) or Karak (NHMW). Synonymized with *Cerceris maculata* by K. Schmidt, 2000:93. – Dalla Torre, 1897:457 (in catalog of world Hymenoptera); nec Shestakov, 1918a:130 and 1923:103, 104, 115 (= *Cerceris dispar*); Gussakovskij, 1935:445 (Tajikistan: Kulab area); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Kazenas, 1978b:52 (in key to Sphecidae of Kazakhstan and Central Asia), 1984:27 (possibly a synonym of *Cerceris dispar*); Dollfuss, 1989:8 (type material in NHMW).

Cerceris puncticeps F. Morawitz, 1894:352, ♂. Syntypes: ♂, Turkmenistan: Serax (ZIN). Synonymized with *Cerceris maculata* by Kazenas, 1984a:75. – Dalla Torre, 1897:470 (in catalog of world Hymenoptera); Shestakov, 1918a:147 (Uzbekistan and Turkmenistan); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae).

Cerceris haematina Kohl, 1916:111, ♀. Holotype: ♀, origin unknown (originally NHMW, now lost). Neotype: holotype of *Cerceris maculata* Radoszkowski, designated by Pulawski, 1983:240. Synonymized with *Cerceris maculata* by Pulawski, 1983:240. – R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); K. Schmidt, 2000:94 (holotype of *Cerceris haematina* preserved in NHMW, designation of neotype by Pulawski was unnecessary).

479. *maculicrus* de Beaumont

Cerceris maculicrus de Beaumont, 1967a:281, ♀, ♂. Holotype: ♀, Turkey: Denizli: Pamukkale (J. Gusenleitner coll.). – R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Dollfuss, 1989:8 (paratype in NHMW); K. Schmidt, 2000:166 (in revision of Western Palearctic *Cerceris*); Ljubomirov and Yildirim, 2008:145 (in catalog of Crabronidae of Turkey); Bitsch, 2010:118 (in supplement to vol. II of Faune de France, 1997: in Europe occurring on the island of Rhodes); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces), 19 (is an endemic of Turkey); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Dollfuss, 2018:1152 (locality records from Turkey), 2021c:604 (locality records from Israel, Jordan, and Turkey); Kaplan and Yildirim, 2021:96 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:28 (in catalog of Middle Eastern and North African Philanthinae); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:257 (in revision of Sphecidae *sensu lato* of Europe); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

480. *mahdaensis* Dollfuss

Cerceris mahdaensis Dollfuss, 1923:412, ♂. Holotype**:** ♂, Oman: Kahal 8 km northwest of Mahda (OÖLM).

481. *malickyi* Dollfuss

Cerceris malickyi Dollfuss, 2020a:107, ♀, ♂. Holotype**:** ♀, Nigeria: Gashaka Gumfi National Park circa 30 km southeast of Serti at 7°21'N 11°32'E (OÖLM).

482. *manca* Fritz and Mariluis

Cerceris manca Fritz and Mariluis, 1979:32, ♀. Holotype: ♀, Argentina: Salta: Salta (originally M. Fritz coll., now MACN). – Fritz, 1993:17 (holotype in M. Fritz coll.); Amarante, 2002:60 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:14 (in checklist of Crabronidae of Peru).

ssp. *cordil* Fritz and Mariluis

Cerceris manca cordil Fritz and Mariluis, 1979:33, 33, ♀. Holotype: ♀, Argentina: Corrientes (originally M. Fritz coll., now MACN). – Fritz, 1993:17 (holotype in M. Fritz coll.); Amarante, 2002:60 (in catalog of Neotropical Crabronidae).

483. *manchuriana* Tsuneki

Cerceris manchuriana Tsuneki, 1961c:62, ♀, ♂. Holotype: ♀, China: Heilungkiang: Harbin (originally P. Verhoeff coll., now RMNH). – Tsuneki, 1961c:13, 17 (in key to *Cerceris* of northeastern Asia), 1967e:2 (China: Heilungkiang); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Kazenas, 1979d:76 (Russia: Primorskiy Kray; comparison with *Cerceris rufipes*), 85, 88 (in key to *Cerceris* of Russian Far East); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:474, 478 (in key to Sphecidae of Russian Far East); Wu and Zhou, 1996a:184 (in revision in Economic Insect Fauna of China); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia); Kochetkov and Korsun, 2025:6 (Russia: Zabaikalskiy Kray: Daurskiy Nature Reserve).

484. *mandibularis* Patton

Cerceris mandibularis Patton, 1881:403, ♀, ♂. Syntypes: USA: Connecticut: Waterbury (lost). Neotype: ♀, USA: Pennsylvania: Glenside (USNM), designated by Scullen, 1965b:425. – Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:496 (in checklist of world *Cerceris*); Dalla Torre, 1897:467 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Banks, 1912:17 (in revision of eastern U.S. *Cerceris*); Mickel, 1918b:447 (in catalog of Nebraskan Sphecidae); Cartwright, 1931:269 (South Carolina: Jocassee); Brimley, 1938:448 (North Carolina: Mars Hill); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1009 (in catalog of North American Hymenoptera); Scullen, 1965b:425 (in revision of North American *Cerceris*); R. Bohart and Menke, 1976:583 (in

checklist of world Sphecidae); Krombein, 1979b:1735 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:488 (in annotated list of North American and Caribbean *Cerceris*); Ahlstrom, 1995:114 (in checklist of insects of North Carolina).

485. *manflava* Tsuneki

Cerceris flava Tsuneki, 1961c:67, ♀, junior primary homonym of *Cerceris flava* Mochi, 1939. Holotype: ♀, China: Nei Mongol: Apaka, ca. 45°N 116°E (originally K. Tsuneki coll., now USNM).– Tsuneki, 1961c:11, 19 (in key to *Cerceris* of northeastern Asia); Nuhn and Menke, 1994:26 (holotype transferred to USNM).

Cerceris manflava Tsuneki, 1971l:434. Substitute name for *Cerceris flava* Tsuneki, 1961. – Tsuneki, 1971m:17 (China: Nei Mongol: Apaka, ca. 45°N 116°E); Kazenas, 1979d:73 (Russia: Primorskiy Kray; diagnostic characters), 84, 89 (in key to *Cerceris* of Russian Far East); Nemkov, 1992b:250 (Russia: Far East: Dim near Khingan Nature Reserve); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:473, 479 (in key to Sphecidae of Russian Far East); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia), 2009b:149 (in ewn catalog of Sphecidae and Crabronidae of Asiatic Russia), 2012c:448 (in catalog of Crabronidae of Russian Far East); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia); Dollfuss, 2021c:605 (Mongolia: 15 km west of Choibalsan at Kherlen River, Moltsoy Els 200 km south-southeast of Baruun-Urt); Kochetkov and Korsun, 2025:6 (Russia: Zabaikalskiy Kray: Daurskiy Nature Reserve). – **As *Cerceris ansa manflava***: R. Bohart and Menke, 1976:577 (new status, in checklist of world Sphecidae).

486. *manifesta* Arnold

Cerceris manifesta Arnold, 1952:470, ♀. Holotype: ♀, Kenya: Olgasalic (BMNH). – R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Empey, 1983:179 (bibliographic reference, type examined).

487. *manjoni* Fritz and Mariluis

Cerceris manjoni Fritz and Mariluis, 1976:99, ♀, ♂. Holotype: ♀, Argentina: Salta: Tartagal (originally M. Fritz coll., now MACN). – Fritz and Mariluis, 1976:96 (in key to *Cerceris spathulifera* species group); Fritz, 1993:17 (holotype in M. Fritz coll.); Amarante, 2002:60 (in catalog of Neotropical Crabronidae), 2005a:13 (correction to his 2002 catalog).

488. *maracandica* Radoszkowski

Cerceris maracandica Radoszkowski, 1877:57, ♀ (as *Maracandica*, incorrect original capitalization). Syntypes: ♀, Uzbekistan: Samarkand (ZMMU). – Radoszkowski, 1886a:35 (Turkmenistan); nec Schletterer, 1887:420 and Kohl, 1916:117 (= *Cerceris errata*); Schletterer, 1887:496 (in checklist of world *Cerceris*); Ed. André, 1889:116 (in revision of Sphecidae of Europe and Algeria), 1891:29* (bibliographic references); Dalla Torre, 1897:467 (in catalog of world Hymenoptera); Shestakov, 1918a:142 (Turkmenistan and Uzbekistan; redescription), 1923:102 (in key to subgenus *Apiraptrix*), 114 (bibliographic reference, distribution); Gussakovskij, 1935:445 (Tajikistan: Kulab area); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Kazenas, 1984a:63 (in revision of *Cerceris* of Kazakhstan and Central Asia), 1992c:29 (Turkmenistan: Repetek Nature Reserve), 2001b:57 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:106, 109 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:148 (geographic distribution, collecting localities in Kazakhstan); Dollfuss, 2018:1152 (Uzbekistan: Bukhara), 2021c:605 (Tajikistan: Vakhsh); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

Cerceris ignaruris Kohl, 1916:118, ♀. Syntypes: ♀, Turkmenistan: Seraks, and Uzbekistan: Samarkand (Kraków). Synonymized with *Cerceris maracandica* by Shestakov, 1926:239.

489. *margarita* de Beaumont

Cerceris margarita de Beaumont, 1966:203, ♀, ♂. Holotype: ♀, southeastern Egypt: Gebel Elba (Lausanne). – R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); K. Schmidt, 2000:100 (in revision of

Western Palearctic *Cerceris*); Roche, 2007a:136 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Malash, Edmardash, and Gadallah, 2022:28 (in catalog of Middle Eastern and North African Philanthinae).

490. *marginata* F. Smith

Cerceris marginata F. Smith, 1856:460, ♀. Holotype or syntypes: ♀, Brazil: Pará: Santarém (BMNH). – Schletterer, 1887:496 (in checklist of world *Cerceris*); Cameron, 1890a:117 (Costa Rica, redescription); Dalla Torre, 1897:467 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Amarante, 2002:60 (in catalog of Neotropical Crabronidae).

491. *marginula* Dalla Torre

Cerceris marginata Cameron, 1890:117, ♀, junior primary homonym of *Cerceris marginata* F. Smith, 1856. Holotype: ♀, Costa Rica: Volcan de Irazú (BMNH).

Cerceris marginula Dalla Torre, 1897:467. Substitute name for *Cerceris marginata* Cameron. – Scullen, 1972:32 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); G. Ferguson, 1984c:488 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:60 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Dollfuss, 2021b:573 (Mexico: several localities, as *marginulla*).

492. *maritima* de Saussure

Cerceris maritima de Saussure, 1867:91, ♀. Holotype or syntypes: ♀, Mauritius: no specific locality (lost: Empey, 1983:179). – Schletterer, 1887:496 (in checklist of world *Cerceris*); Dalla Torre, 1897:467 (in catalog of world Hymenoptera); Empey, 1969a:313 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Empey, 1983:179 (bibliographic reference, type not examined); Madl, 2014a:1001 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records).

493. *mariusi* Fritz

Cerceris mariusi Fritz, 1989:262, ♀, ♂. Holotype: ♀, Paraguay: San Pedro: Corroró (originally M. Fritz coll., now MACN). – Fritz, 1989:261 (in key to *Cerceris pollens* species group); Fritz, 1993:17 (holotype in M. Fritz coll.); Amarante, 2002:60 (in catalog of Neotropical Crabronidae).

494. *martialis* Giner Marí

Cerceris martialis Giner Marí, 1942b:132, ♀. Holotype: ♀, China: north of Yunnan: "A. tun. tse." (Mus. A. Koenig, Bonn). – R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Lampe, Rohwedder, Ingrisch, and Rach, 2010:121 (type material in Mus. A. Koenig, Bonn).

495. *mastogaster* F. Smith

Cerceris mastogaster F. Smith, 1856:453, ♀. Holotype or syntypes: ♀, India: Madras: no specific locality (BMNH). – F. Smith, 1871a:370 (in catalog of Oriental Aculeata); Schletterer, 1887:496 (in checklist of world *Cerceris*); Cameron, 1890b:249 (in checklist of Oriental Sphecidae); Bingham, 1897:301 (in key to *Cerceris* of British India), 310 (in revision of *Cerceris* of British India); Dalla Torre, 1897:467 (in catalog of world Hymenoptera); R. Turner, 1912e:505 (in revision of *Cerceris* of Indian subcontinent); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Krombein, 1981:32 (in revision of Sri Lanka Philanthinae); S. Gupta, 1995:87 (India: Uttar Pradesh).

496. *mazimba* Brauns

Cerceris mazimba Brauns, 1926:295, ♀. Holotype: ♀, Mozambique: Dondo (SAM). – Arnold, 1931:140, 146 (in key to Afrotropical *Cerceris*), 1942:9 (Lesotho, description of ♂), 1951:112 (Mali: Tillembeya); Empey, 1969a:314 (in checklist of Afrotropical *Cerceris*), 1970:186 (Zaire: Upemba National Park); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Empey, 1983:179 (bibliographic reference, unnecessary designation of lectotype); Hancock, Chahwanda, and Mhlanga, 1995:38 (specimen in Bulawayo Museum).

497. *media* Klug

Cerceris media Klug *in* Waltl, 1835:98, ♀. Holotype: ♀, Spain: Andalusia: no specific locality (ZMHU). – Klug *in* Waltl, 1835:87 (in list of Hymenoptera of Andalusia); Kirchner, 1867:221 (in catalog of European Hymenoptera); Schletterer, 1887:414 (as synonym of *Cerceris arenaria*); Ulrich, 1922:256 (study of holotype, valid species); de Beaumont, 1950c:321 (study of holotype), 1952a:75 (in revision of *Cerceris* of France: found only in Bouche-du-Rhône: Saint Martin de Crau); Bajári, 1956a:85 (in catalog of Hungarian *Cerceris*, with list of localities), 1956b:405, 408 (earlier records from Hungary are misdeterminations), 1957a:34, 42 (in key to Hungarian Sphecidae, not yet found in Hungary); de Beaumont, 1958d:273 (Greece); Pulawski, 1958a:167 (Bulgaria: Sandanski); Scobiola, 1960a:171 (Romania: Brăneşti Region: Cernica, Medgidia Region: Valul-lui-Traian); de Beaumont, 1962b:21 (Spain: Sevilla); Ceballos, 1964:89 (in supplement to catalog of Spanish Sphecidae); de Beaumont, 1965a:22 (Greece), 1967a:290 (Turkey); Diniz, 1966:8 (Portugal: Évora); Romanova, 1969:133 (Russia: North Caucasus); Scobiola-Palade, 1968c:383 (Romania: Cernica), 1971:206 (in review of *Cerceris* of Romania); Balthasar, 1972:405 (in Sphecid Fauna of Czechoslovakia: not yet found in the country); Kazenas, 1972b:128 (Kazakhstan); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Kazenas, 1978b:68 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1978:196 (in key to Sphecidae of European part of USSR); Pagliano, 1980:125 (Italy: Piemonte); Gayubo, 1982b:55 (Spain: Ávila and Salamanca provinces), 1983e:238 (Spain: Salamanca Province); Islamov and Kazenas, 1983:44 (Uzbekistan); Kazenas, 1984a:180 (in revision of *Cerceris* of Kazakhstan and Central Asia); Gayubo, 1986a:67 (Spain: Ciudad Real Province); Islamov, 1986:520 (Uzbekistan: Tashkent Oblast'); Pagliano, 1987:162 and 166 (in key to *Cerceris* of Italy), 1988:143 (Italy, in revision of Italian Philanthinae), 1990:98 (in catalog of Italian Sphecidae); Dollfuss, 1991:221 (in key to Sphecidae of North and Central Europe); Schembri, 1991:178 (recorded from Malta by Cilia, 1975); Blagoveshchenskaya, 1994:92 (Russia: Ul'yanovsk Oblast'); Gayubo and Borsato, 1994:222 (Italy: Toscana), 223 (map of distribution in Italy); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Scharrer, 1995:30 (Croatia: Island of Krk); Minoranskiy and Shkuratov, 1996:81 (Russia: Rostov Oblast'); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:350 (in Sphecid Fauna of Western Europe); Esenbekova and Kazenas, 2000:77 (southeastern Kazakhstan: near Alma Ata, near Bakanas, 5 km west of Lake Biylikul', 10 km northwest of Chundzha); K. Schmidt, 2000:30 (in revision of Western Palearctic *Cerceris*); Shkuratov, 2000:56 (Russia: Rostov Oblast': Vëshenskaya village area at 49°37'N 41°45'E); Kazenas, 2001b:57 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:119 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:148 (geographic distribution, collecting localities in Kazakhstan); Shkuratov, 2002b:139 (Russia: Rostov Oblast': Rostovskiy Nature Reserve at 46°27'N 42°41'E); Protsenko, 2003:68, 69 (Ukraine: Odessa Oblast': Island of Malyi Tataru in Danube delta at 45.21°N 29.00°E); Kazenas, 2004b:112 (Kazakhstan: western Tien Shan), 2004d:37 (Kazakhstan: Khar'kino); Shkuratov, 2004a:74 (Russia: Donetsk and Rostov Oblast's), 2004b:165 (Russia: Rostov Oblast': Gosudarstvennyi Muzey-Zapovednik M.A. Sholokhova); Pagliano and Negrisolo, 2005:320 (in Sphecid Fauna of Italy); Shorenko, 2005a:169 (Ukraine: Crimea), 2005b:99 (Ukraine: Crimea: Karadagh Nature Reserve); Yildirim and Ljubomirov, 2005:1804 (Turkey: Erzurum: Hınıs); Ebrahimi, 2006:1 (Iran); Gorobchishin, 2006:151 (Ukraine: Cherkasy Oblast': Kaniv Nature Reserve; Poltava Oblast': village Matviivka); Standfuss and Standfuss, 2006b:100 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Kazenas, 2007a:93 (Kazakhstan: Akmala Oblast': Kurgandzhin Nature Reserve and

vicinity), 2008c:255 (Kazakhstan: village Koktum south of Lake Alakol'); Ljubomirov and Yildirim, 2008:145 (in catalog of Crabronidae of Turkey); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); González, Gayubo, Asís, and Tormos, 2009:625 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park); Shorenko, 2009:369 (in list of Sphecidae *sensu lato* of Crimea); Rudoiskatel', 2010:150 (Russia: southern Ural Mountains); Shorenko and Konovalov, 2010:28 (Ukraine: Dnepropetrovsk Oblast': Ingulets; Lugansk Oblast': village D'yakovo; Sumy Oblast': village Ekaterinovka); Tüzün and Yüksel, 2010:4475 (Turkey: Niğde Province); Protsenko and Drozdovskaya, 2011:91 (Ukraine: Mikolaiv Oblast': Bugskiy Guard National Park); Kazenas, 2012b:170 (Kazakhstan: Korgalzhin State Nature Reserve); Prisniy, 2012:52 (Russia: Belgorod Oblast'); Kazenas, 2013b:500 (southeastern Kazakhstan: 10 km northwest of Chundzha); Ebrahimi, 2014:46 (Iran: Kermānshāh: Sar-e Pol-e Zohāb: Rijāb); Kazenas, 2014a:139 (Kazakhstan: Karatau Mountain Range); Protsenko, Fateryga, and Ivanov, 2014:35 (Crimea: several localities); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Mokrousov and Popov, 2016:591 (Russia: Krasnodarskiy Kray); Schmid-Egger, Dandria, and Xuereb, 2016:81 (in checklist of Crabronidae of Maltese Islands); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Arens, 2017a:646 (Greece: Peloponnesus); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:78 (Iran: known from Kermanshah Province); Shorenko, 2017:81 (in Crimea collected in June through August); Dollfuss, 2018:1152 (locality records from Bulgaria, Croatia, Greece, Iran, Kazakhstan, Kyrgyzstan, Makedonia, Romania, Serbia, Syria, Tajikistan, Turkey); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:9 (Azerbaijan: Nakhichevan Autonomous Republic); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:17 (Iran: known from Ardabil, Kerman, and Kermanshah provinces); Shorenko, 2020:48 (Crimea: Karadag Nature Reserve); Cross, Baldock, and Wood, 2021:66 (in catalog of Sphecidae *sensu lato* of Portugal: no specific locality); Dollfuss, 2021a:944 (Tajikistan: Nurek), 2021c:605 (locality records from Bulgaria, Iran, Israel, Kazakhstan, Kyrgyzstan, Turkey, Turkmenistan, and Uzbekistan); Kaplan and Yildirim, 2021:97 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:29 (in catalog of Middle Eastern and North African Philanthinae); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:257 (in revision of Sphecidae *sensu lato* of Europe); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution); Pytel-Huta and Franchuk, 2024:89 (Ukraine: Rivno Nature Reserve).

Cerceris capitata F. Smith, 1856:441, ♀. Holotype or syntypes: ♀, Albania: no specific locality (BMNH or OXUM?). Synonymized with *Cerceris media* by de Beaumont, 1950c:321. – A. Costa, 1867c:88 (in revision of Italian Sphecidae); Kirchner, 1867:221 (in catalog of European Hymenoptera); A. Costa, 1869b:104 (in revision of Italian Sphecidae); Schletterer, 1887:417 (in revision of Palearctic *Cerceris*), 488 (in checklist of world *Cerceris*); Ed. André, 1889:288, 312 (in revision of Sphecidae of Europe and Algeria), 1891:25* (bibliographic references); F. Morawitz, 1893b:420 (Uzbekistan: Pyandjikent); Dalla Torre, 1897:454 (in catalog of world Hymenoptera); Mocsáry, 1897:80 (Hungary); Schletterer, 1901:219 (Croatia: southern Istria Peninsula); Antiga and Bofill, 1904:21 (Spain: Cataluña Province); de Gaulle, 1908:104 (in catalog of French Hymenoptera); Mercet, 1914:445 (recorded from Spain); Shestakov, 1916:235 (Transcaucasia), 1917c:49 (Ukraine: Crimea), 1918a:125 (Tajikistan and Turkmenistan), 1922:81 (Russia: Stavropol' area); Berland, 1923b:288 (France: locality records); Shestakov, 1927a:10 (Ukraine: Odessa and Poltava Oblast's), 11 (Ukraine: Kherson Oblast'), 19 (Russia: Stalingrad Oblast', now Volgograd, as *copitata*), 19 (Russia: Ural'sk Oblast', now Kazakhstan: Oral Oblast'), 1928:267 (as synonym of *Cerceris tenuivittata*); Vorontsovskiy, 1928:43 (Russia: vicinity of Orenburg), 1930:64 (Russia: Orenburg Oblast'); Dusmet y Alonso, 1935:53 (Spain: Madrid: El Pardo); Kolosov, 1937:219 (Ukraine: Kupyansk); Giner

Marí, 1941a:48 (in revision of Spanish *Cerceris*), 1943a:100 (in Sphecid Fauna of Spain); Ceballos, 1956:367 (in catalog of Hymenoptera of Spain).

As *Cerceris arenaria*: Radoszkowski, 1877:58 (Transcaspia: Sutkent), corrected to *Cerceris capitata* by Shestakov, 1918a:124

498. *meditata* Shestakov

Cerceris meditata Shestakov, 1918a:144, ♀, ♂. Syntypes: Uzbekistan: Tashkent, Bukhara (ZIN). – Shestakov, 1923:102, 105 (in key to subgenus *Apiraptrix*); Myartseva, 1972a:92 (Turkmenistan); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Kazenas, 1978b:52, 55 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:45 (in revision of *Cerceris* of Kazakhstan and Central Asia; possibly a synonym of *Cerceris spectabilis*), 1992c:29 (Turkmenistan: Repetek Nature Reserve); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Esenbekova and Kazenas, 2000:77 (southeastern Kazakhstan: no specific locality); Kazenas, 2001b:57 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:106, 109 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:148 (geographic distribution, collecting localities in Kazakhstan); Dollfuss, 2018:1153 (Turkmenistan: 40 km north of Charjou); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

499. *megacantha* Evans

Cerceris megacantha Evans, 1982a:317, ♀, ♂. Holotype: ♀, Australia: Queensland: Brisbane: Blunder Creek (Queensland Museum, Brisbane). – Evans and Hook, 1982b:159 (nesting solitarily); Cardale, 1985:300 (in catalog of Australian Sphecidae); Evans and Hook, 1986a:280 (Australia: Queensland; nest structure), 1986b:1298 (prey: Chrysomelidae Eumolpinae).

500. *megacephala* Brèthes

Cerceris megacephala Brèthes, 1913:126, ♀. Holotype: ♀, Argentina: Misiones: Bompland (MACN). – Fritz, 1968b:170 (study of holotype); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Genise, 1990:26 (type material in MACN); Amarante, 2002:60 (in catalog of Neotropical Crabronidae).

501. *melaina* R. Turner

Cerceris melaina R. Turner, 1912e:811, ♀. Holotype or syntypes: ♀, India: Maharashtra: Nasik (BMNH). – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae).

502. *melanthe* Banks

Cerceris melanthe Banks, 1947:21, ♀. Holotype: ♀, Arizona: Santa Catalina Mountains: Apache Canyon (MCZ). – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1009 (in catalog of North American Hymenoptera); Scullen, 1965b:486 (in revision of North American *Cerceris*); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Krombein, 1979b:1735 (in catalog of North American Hymenoptera); Finnamore, 1982:254 (in Sphecid Fauna of southern Quebec); G. Ferguson, 1983b:230 (study of holotype), 1984c:488 (in annotated list of North American and Caribbean *Cerceris*); Ahlstrom, 1995:114 (in checklist of insects of North Carolina).

503. *mellicula* R. Turner

Cerceris mellicula R. Turner, 1912e:514, ♀, ♂. Syntypes: ♀, Pakistan: Karachi (BMNH). – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae).

504. *mendesensis* Brèthes

Cerceris mendesensis Brèthes, 1920a:409, ♀. Holotype: ♀, Brazil: Mendés 90 km from Rio de Janeiro (MNHN). – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Amarante, 2002:60 (in catalog of Neotropical Crabronidae).

505. *mendozana* Brèthes

Cerceris mendozana Brèthes: Jörgensen, 1912:288, nomen nudum (Argentina: Mendoza Province).

Cerceris mendozana Brèthes, 1913:123, ♀, ♂. Lectotype: ♀, Argentina: Mendoza: Chacras de Coria (MACN), designated by Fritz, 1968b:169. – Fritz and Toro, 1969:159 (in revision of Chilean and Patagonian *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Genise, 1990:26 (type material in MACN); Amarante, 2002:60 (in catalog of Neotropical Crabronidae).

ssp. *melanopus* Brèthes

Cerceris mendozana var. *melanopus* Brèthes: Jörgensen, 1912:288, nomen nudum (Argentina: Mendoza Province).

Cerceris mendozana var. *melanopus* Brèthes, 1913:124, ♀. Lectotype: ♀, Lectotype: Argentina: Mendoza (MACN), designated by Fritz, 1968b:169 (Article 74.6). – **As *Cerceris mendozana melanopus***: Fritz and Toro, 1969:160 (new status, original description copied); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Amarante, 2002:60 (in catalog of Neotropical Crabronidae).

506. *menkei* Fritz and Toro

Cerceris menkei Fritz and Toro, 1969:151, ♀. Holotype: ♀, Argentina: Río Negro: Lamarque (originally M. Fritz coll., now MACN). – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Fritz, 1993:17 (holotype in M. Fritz coll.); Amarante, 2002:60 (in catalog of Neotropical Crabronidae), 2005a:13 (correction to his 2002 catalog).

507. *menoni* Coumar and Dey

Cerceris menoni Coumar and Dey, 2003:103, ♀. Holotype: ♀, India: New Delhi: Indian Agricultural Research Institute (Indian Agricultural Research Institute.).

508. *merope* Arnold

Cerceris merope Arnold, 1951:115, ♀, ♂. Lectotype: ♀, Ghana: Accra (BMNH), designated by Empey, 1983:179. – Empey, 1969a:314 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Empey, 1983:179 (bibliographic reference, type examined).

509. *merredinensis* R. Turner

Cerceris merredinensis R. Turner, 1936:536, ♀, ♂. Syntypes: Australia: Western Australia: Merredin (BMNH). – Tsuneki, 1968e:3 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Cardale, 1985:300 (in catalog of Australian Sphecidae).

510. *mesopotamica* Brèthes

Cerceris mesopotamica Brèthes, 1913:125, ♂. Holotype: ♂, Argentina: Misiones: Bompland (MACN). – Fritz, 1968b:170 (holotype labeled Mendoza); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Fritz, 1990:152 (in revision of *Cerceris morrae* species group); Genise, 1990:26 (type material in MACN); Amarante, 2002:60 (in catalog of Neotropical Crabronidae).

511. *metatarsalis* R. Turner

Cerceris metatarsalis R. Turner, 1926b:199, ♀. Holotype or syntypes: ♀, peninsular Thailand: Nakhon Sri Thammarat, Khao Ram (BMNH). – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae).

512. *mexicana* de Saussure

Cerceris mexicana de Saussure, 1867:101, ♀, ♂. Syntypes: "In Agro Mexicano calido" (depository?). – Schletterer, 1887:497 (in checklist of world *Cerceris*); Cameron, 1890a:117 (Mexico); Dalla Torre, 1897:467 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Scullen, 1972:50 (in revision of Mexican and Central American species); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); G. Ferguson, 1984c:488 (in annotated list of North American and Caribbean *Cerceris*, as *mexicana mexicana*); Amarante, 2002:60 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Amarante, 2005a:13 (correction to his 2002 catalog); Ruíz Cancino, Coronado Blanco, and Horta Vega, 2005:170 (Mexico: recorded from State of Tamaulipas); Vanoye-Eligio, Meléndez-Ramírez, Ayala, Navarro, and Delfín-González, 2014:638 (Mexico: Yucatán Peninsula); Vanoye-Eligio, Meléndez-Ramírez, Ayala, Navarro-Alberto, and Delfin-González, 2015:993 (Mexico: in list of Sphecidae *sensu lato* of Yucatán).

Cerceris veracruz veracruz Scullen, 1972:53, ♀, ♂. Holotype: ♀, Mexico: Veracruz: 1 mi. east of Cordoba (CAS). Synonymized with *Cerceris mexicana* by G. Ferguson, 1984c:488. – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae, as *Cerceris veracruz*); Krombein, 1979b:1738 (in catalog of North American Hymenoptera); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

Cerceris veracruz josei Scullen, 1972:53, ♀, ♂. Holotype: ♀, El Salvador: Quezaltepeque (UCD). Synonymized with *Cerceris mexicana* by G. Ferguson, 1984c:488.

ssp. *irwini* Scullen

Cerceris irwini Scullen, 1972:49, ♀, ♂. Holotype: ♀, Costa Rica: 7 mi. southeast of Liberia (USNM). – R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae). – **As *Cerceris mexicana irwini***: G. Ferguson, 1984c:488 (new status, in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:60 (in catalog of Neotropical Crabronidae), 2005a:13 (correction to his 2002 catalog).

513. *micropunctata* Shestakov

Cerceris micropunctata Shestakov, 1918b:14, ♀, ♂. Syntypes: Russia: Siberia: Chita Oblast': Gornyi Zerentuy near Nerchinsk (ZIN). – Tsuneki, 1961c:12 (in key to *Cerceris* of northeastern Asia); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Kazenas, 1979d:85 (in key to *Cerceris* of Russian Far East); Nemkov, 1986:109 (Russia: Siberia: Irkutsk Oblast'); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:473 (in key to Sphecidae of Russian Far East); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia), 2009a:66 (is an endemic of Transbaicalia), 2009b:149 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia); Akulov and Proshchalykin, 2013:119 (Russia: Siberia: Krasnoyarsk Kray: near village Aban, Krasnoyarsk, and 20 km south of Minusinsk); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia); Jacobs and Liebig, 2018:137 (Russia: Irkutsk Oblast': Bol'shoye Goloustnoye and Sarma); Dollfuss, 2021c:605 (Mongolia: Ulanbaator: near Zuunmod at 47°45'N 106°59.5'E).

514. *militaris* Dahlbom

Cerceris militaris Dahlbom, 1844:224, ♀. Holotype: ♀, South Africa: Western Cape Province: "Promontorium Bonae Spei = Cape of the Good Hope", but actually Costa Rica to Brazil (Lund). – Dahlbom, 1845:502 (in key to world *Cerceris*); F. Smith, 1856:450 (in catalog of Hymenoptera in British Museum); Schletterer, 1887:497 (in checklist of world *Cerceris*); Dalla Torre, 1897:467 (in catalog of world Hymenoptera); Empey, 1969a:314 (in checklist of Afrotropical *Cerceris*), 1971a:233 (redescription); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); G. Ferguson, 1984c:488 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:60 (in catalog of Neotropical Crabronidae).

Cerceris rufonigra Taschenberg, 1875:399, ♀ (as *rufo-nigra*, incorrect original hyphenation). Lectotype: ♀, Brazil: Rio de Janeiro (Halle), designated by G. Ferguson, 1984c:488. Synonymized with *Cerceris militaris* by Empey, 1980:52. – Schletterer, 1887:501 (in checklist of world *Cerceris*); Dalla Torre, 1897:474 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae).

Cerceris rufonigra turrialba Scullen, 1972:51, ♀, ♂. Holotype: ♀, Costa Rica: Turrialba (USNM). Synonymized with *Cerceris militaris* by G. Ferguson, 1984c:488. – R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae). – **As *Cerceris militaris turialba***: Empey, 1980:52 (new subspecific generic assignment).

515. *milkoi* Kazenas

Cerceris milkoi Kazenas, 2000c:190, ♀, ♂. Holotype: ♂, Kyrgyzstan: Alay Mountains: Arkhalsu Valley 16 km west-northwest of village Irkeshtam (ZIN). – Kazenas, 2001b:57 (in checklist of Sphecidae of Kazakhstan and Central Asia); Dollfuss, 2018:1153 (Kyrgyzstan: Transalai Mountains: Kaltabulak River gorge at 39°39'N 73°50'E), 2021c:605 (Kyrgyzstan: Alay Mountain, Transalai Mountains: Kaltabulak River gorge at 39°39'N 73°50'E).

516. *millironi* Krombein

Cerceris millironi Krombein, 1969b:18, ♀, ♂. Holotype: ♀, Solomon Island: Island of Guadalcanal: Kiwi Creek (USNM). – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae).

ssp. *tulagiensis* Krombein

Cerceris millironi tulagiensis Krombein, 1969b:20, ♀. Holotype: ♀, Solomon Islands: Island of Florida: Tulagi (Bishop Mus.). – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae).

ssp. *malaitensis* Krombein

Cerceris millironi malaitensis Krombein, 1969b:20, ♂. Holotype: ♂, Solomon Islands: Island of Malaita (Bishop Mus.). – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae).

517. *mimica* Cresson

Cerceris mimica Cresson, 1873:228, ♀, ♂. Lectotype: ♀, USA: Texas: no specific locality (ANSP), designated by Cresson, 1916:101. – Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:497 (in checklist of world *Cerceris*, as *minima*); Dalla Torre, 1897:467 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1009 (in catalog of North American Hymenoptera); Scullen, 1965b:488 (in revision of North American *Cerceris*), 1972:87 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Krombein, 1979b:1735 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:489 (in annotated list of North American and Caribbean *Cerceris*); Radović, 1985:66 (sting apparatus analyzed); Evans, 2001:220 (nesting habits); Amarante, 2002:60 (in catalog of Neotropical Crabronidae), 2005a:13 (correction to his 2002 catalog).

Cerceris esau Schletterer, 1887:458, ♀, ♂. Lectotype: ♀, Mexico: Mexico City (NHMW), designated by Scullen, 1961:47. Synonymized with *Cerceris mimica* by Scullen, 1961:47. – Schletterer, 1887:490 (in checklist of world *Cerceris*); Cameron, 1890a:123 (Mexico, comparison with *Cerceris curvicornis*); Dalla Torre, 1897:459 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Dollfuss, 1989:8 (lectotype in NHMW).

Cerceris englehardti Banks, 1947:12, ♂. Holotype: ♂, USA: Arizona: Saint John (MCZ). Synonymized with *Cerceris mimica* by Scullen *in* Muesebeck, Krombein, and Townes, 1951:1009. – G. Ferguson, 1983b:228 (study of holotype).

518. *mindanaonis* Tsuneki

Cerceris mindanaonis Tsuneki *in* Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:83, ♂. Holotype: ♂, Philippines: Mindanao: Zamboanga: Pasonanca Park (depository not stated originally, now USNM). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:51 (in key to *Cerceris* of Philippines); Nuhn and Menke, 1994:26 (holotype transferred to USNM).

519. *minuscula* R. Turner

Cerceris minuscula R. Turner, 1910a:347, ♀, ♂. Syntypes: Australia: Queensland: Mackay; Northern Territory: Hermannsburg (BMNH). – R. Turner, 1910b:422 (in key to *Cerceris* of Australia), 1912d:666 (in key to *Cerceris* of Australia), 677 (in revision of *Cerceris* of Australia); Cockerell, 1930:36 (Queensland: Stanthorpe); R. Turner, 1936:538 (Western Australia); Tsuneki, 1968e:6 (in key to *Cerceris* of Australia), 29 (Australia; redescription); Krombein, 1969b:22 (discussion of subspecies); nec Evans and Matthews, 1970:156 (= *Cerceris windorum*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Evans, 1982a:368 (in revision of Eastern Australian *Cerceris*); Evans and Hook, 1982b:160 (communal nesting); Cardale, 1985:300 (in catalog of Australian Sphecidae); Evans and Hook, 1986a:295 (nesting habits), 1986b:1303 (prey: Attelabidae, Chrysomelidae, Curculionidae, Phalacridae); Naumann, 1993:187 (Australia: Queensland: Heathlands area in Cape York, as *miniscula*).

ssp. *sculleniana* Krombein

Cerceris minuscula sculleniana Krombein, 1969b:22, ♀, ♂. Holotype: ♀, Papua New Guinea: Oro (= Northern) Province: Kokoda (BMNH). – Krombein, 1974a:466 (additional locality records); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae).

ssp. *stanleyensis* Krombein

Cerceris minuscula stanleyensis Krombein, 1969b:23, ♀. Holotype: ♀, Papua New Guinea: Central Province: Bisianumu 40 km northeast of Port Moresby (Bishop Mus.). – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae).

ssp. *korovensis* Krombein

Cerceris minuscula korovensis Krombein, 1969b:24, ♂. Holotype: ♂, Solomon Islands: Island of Shortland: Korovo (Bishop Mus.). – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae).

520. *minutior* Maidl

Cerceris minutior Maidl, 1924:243, ♂. Holotype: ♂, Sudan: Sennar (NHMW). – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Empey, 1983:179 (in checklist of world Sphecidae, type examined).

521. *minutissima* Maidl

Cerceris minutissima Maidl, 1924:244, ♂. Holotype: ♂, Sudan: Sennar (NHMW). – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Empey, 1983:179 (bibliographic reference, type examined).

522. *misoolensis* Krombein

Cerceris misoolensis Krombein, 1969b:16, ♀. Holotype: ♀, Indonesia: Irian Jaya (= Indonesian New Guinea): Island of Misool: Fakal (RMNH). – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae).

523. *mitjaevi* Kazenas

Cerceris mitjaevi Kazenas, 2001e:124, ♀. Holotype: ♀, Kazakhstan: Almaty Oblast': 30 km east of Shilik = 3 km east-northeast of Borandysu (ZIN).

524. *moczari* Tsuneki

Cerceris moczari Tsuneki, 1971l:440, ♀. Holotype: ♀, Mongolia: Hovd Aymag: Somon Bulgan (TMB). – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae)

525. *modica* Amarante

Cerceris modesta F. Smith, 1873b:106, ♀ (as *modestus*, incorrect original termination), junior primary homonym of *Cerceris modesta* F. Smith, 1856. Holotype or syntypes: ♀, Brazil: Amazonas: Ega, now Tefé (BMNH). – Schletterer, 1887:497 (in checklist of world *Cerceris*); Dalla Torre, 1897:467 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae).

Cerceris modica Amarante, 2002:60. Substitute name for *Cerceris modesta* F. Smith, 1873.

526. *moestissima* Guiglia

Cerceris moestissima Guiglia, 1941b:116, ♂. Holotype: ♂, Ethiopia: Gota (MSNG). – Empey, 1969a:314 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Empey, 1983:179 (bibliographic reference, type not examined).

527. *moggionis* Arnold

Cerceris moggionis Arnold, 1951:102, ♂. Holotype: ♂, Ethiopia: Moggio (BMNH). – Empey, 1969a:314 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Empey, 1983:179 (bibliographic reference, type examined).

528. *monocera* Kohl

Cerceris monocera Kohl, 1898a:341, ♀. Holotype: ♀, Senegal: no specific locality (NHMW). – Arnold, 1930:13 (in checklist of Afrotropical Sphecidae), 1931:204 (original description translated into English), 1942:19 (Liberia, description of ♂); Empey, 1969a:314 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Empey, 1983:179 (bibliographic reference, type examined); Dollfuss, 1989:8 (holotype in NHMW).

529. *montealban* Scullen

Cerceris montealban Scullen, 1972:51, ♀, ♂. Holotype: ♀, Mexico: Oaxaca: Oaxaca (CAS). – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); G. Ferguson, 1984c:489 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:60 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

530. *montezuma* Cameron

Cerceris montezuma Cameron, 1890a:108, ♀. Lectotype: ♀, Mexico: no specific locality (BMNH), designated by G. Ferguson, 1984b:437. – Dalla Torre, 1897:467 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Scullen, 1972:88 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); G. Ferguson, 1984c:489 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:60 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

531. *monticola* Arnold

Cerceris monticola Arnold, 1931:160, ♀. Holotype: ♀, Malawi: Mlanje (BMNH). – Arnold, 1931:140 (in key to Afrotropical *Cerceris*), 1942:13 (description of ♂); Empey, 1969a:314 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Empey, 1983:179 (bibliographic reference, type examined).

532. *morawitzi* Mocsáry

Cerceris morawitzi Mocsáry, 1883:46, ♀, ♂ (as *Morawitzi*, incorrect original capitalization). Syntypes: southern Russia or Caucasus: no specific locality (TMB). – Shestakov, 1914b:409 (Kazakhstan: Aulie-Ata, now Dzhambul, as *Cerceris tuberculata* var. *morawitzi*); de Beaumont and Bytinski-Salz, 1959:130 (Israel: Negev, as *Cerceris rufipes morawitzi*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae);

Kazenas, 1984a:208 (in revision of *Cerceris* of Kazakhstan and Central Asia); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Esenbekova and Kazenas, 2000:77 (southeastern Kazakhstan: 15 km east of Chundzha, as *morawitzi* Shestakov); Kazenas, 2001b:57 (in checklist of Sphecidae of Kazakhstan and Central Asia), 252 (nest and prey: *Cleonus* sp., a curculionid), 2001d:120 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:149 (geographic distribution, collecting localities in Kazakhstan), 2004d:37 (Kazakhstan: near Atyrau), 2008a:107 (southeastern Kazakhstan: Ili River valley: 45 km Chingildy, 15 km east of Chundza), 2010a:168 (Kazakhstan: new locality records), 2013a:148 (color photograph of adult wasp, short information on geographic distribution and nesting habits), 2013b:500 (southeastern Kazakhstan: 15 km east of Chundzha); Dollfuss, 218:1153 (Turkmenistan: 15 km north of Ashkhabad), 2021c:605 (Turkmenistan: Askhabad, Tzarschanga 45 km northeast of Karlyuk); Malash, Edmardash, and Gadallah, 2022:29 (in catalog of Middle Eastern and North African Philanthinae); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

ssp. *chagatai* Tsuneki

Cerceris morawitzi chagatai Tsuneki, 1971l:449, ♀, ♂. Holotype: ♀, Mongolia: Bayanhongor Aymag: Tsagan Bogd ul: Tooroin Bulag 13 km east of border post Tsagan-bulag (TMB). – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Dollfuss, 2021c:605 (Mongolia: several localities).

ssp. *desertorum* Kazenas

Cerceris morawitzi desertorum Kazenas, 1984a:210, ♀, ♂. Holotype: ♀, Kazakhstan: Balkhash (ZIN). – Kazenas, 2001b:55 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:121 (in key to *Cerceris* of Kazakhstan and Central Asia); Dollfuss, 2021c:606 (Kazakhstan: near Balkhash, 50 km est of Balkhash).

ssp. *hissarica* Kazenas

Cerceri morawitzi hissarica Kazenas, 1984a:211, ♀, ♂. Holotype: ♀, Tajikistan: Kondara Canyon 35 km north of Dushanbe (ZIN). – Kazenas, 2001b:56 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:121 (in key to *Cerceris* of Kazakhstan and Central Asia).

ssp. *mongolensis* Tsuneki

Cerceris morawitzi mongolensis Tsuneki, 1971l:448, ♀, ♂. Holotype: ♀, Mongolia: Sukhebaator Aymag: Ongonelis (TMB). – Tsuneki, 1971m:19 (China: Nei Mongol: Apaka, ca. 45°N 116°E); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Dollfuss, 2021c:606 (Mongolia: many localities).

As *Cerceris rufipes evecta* (corected to *Cerceris morawitzi mongolensis* by Tsuneki, 1971l:448 and 1971m:19): Tsuneki, 1961c:71 but not 53 and 63 (China: Nei Mongol), 1965d:39 (nesting habits), 1968f:10 (China: Yenping; variation in clypeal lamina of ♀).

533. *mordax* Krombein

Cerceris mordax Krombein, 1969b:28, ♀. Holotype: ♀, Papua New Guinea: Central Province: Laloki (Bishop Mus.). – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae).

534. *morelos* Scullen

Cerceris finitima morelos Scullen, 1972:25, ♀, ♂. Holotype: ♀, Mexico: Morelos: 14 mi. south of Cuernavaca (USNM). – R. Bohart and Menke, 1976:580 (as new synonym of *Cerceris finitima* by R. Bohart); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae). – **As *Cerceris morelos***: G. Ferguson, 1984c:489 (full species status, in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:60 (in catalog of Neotropical Crabronidae).

535. *morrae* Strand

Cerceris morrae Strand, 1910a:135, ♀. Holotype: ♀, Paraguay: Asunción: Villa Morra (ZMHU). – Strand, 1927:253 (in list of species described by author); Scullen, 1962:58 (synonymy); Fritz, 1971:158 (synonymy); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Fritz, 1990:150 (in revision of *Cerceris morrae* species group); Amarante, 2002:60 (in catalog of Neotropical Crabronidae).

Cerceris nigra Brèthes, 1910a:263, ♀, junior primary homonym of *Cerceris nigra* Ashmead, 1900. Holotype: ♀, Argentina: Mendoza: Chacras de Coria (MACN). Synonymized with *Cerceris morrae* by Fritz, 1970:158. – Jörgensen, 1912:287 (Argentina: Mendoza Province); Schrottky, 1913a:230 (Argentina: Mendoza); Fritz, 1968b:165 (study of holotype); Genise, 1990:26 (type material in MACN).

Cerceris ruficapoides ab. *derufata* Strand, 1910a:138, ♂. Holotype: ♂, Paraguay: Asunción: Villa Morra (ZMHU). Synonymized with *Cerceris morrae* by Fritz, 1990:150. – Strand, 1927:253 (in list of species described by author). – **As *Cerceris rufiscapoides derufata***: R. Bohart and Menke, 1976:586 (new status, in checklist of world Sphecidae).

Cerceris paraguayana Strand, 1910a:138, ♀. Holotype: ♀, Paraguay: Asunción: Villa Morra (ZMHU). Synonymized with *Cerceris morrae* by Scullen, 1962:58. – Strand, 1927:253 (in list of species described by author).

Cerceris atra Scullen, 1965c:274. Substitute name for *Cerceris nigra* Brèthes, 1910. Junior primary homonym of *Cerceris atra* Stephens, 1829a: 368.

536. *mossambica* Gribodo

Cerceris mossambica Gribodo, 1895:354, ♀. Holotype: ♀, Mozambique: no specific locality (MSNG). – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:200 (original description translated into English); Empey, 1969a:314 (in checklist of Afrotropical *Cerceris*, coasts of Mozambique and KwaZulu-Natal); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Empey, 1983:179 (bibliographic reference, type not examined); Penati and Moretti, 2015:94 (in list of Hymenoptera described by G. Gribodo).

537. *moyanoi* Holmberg

Cerceris moyanoi Holmberg, 1903:477, ♂ (as *Moyanoi*, incorrect original capitalization). Lectotype: ♂, Argentina: Misiones: no specific locality (MACN), designated by Fritz, 1968b:162 (Article 74.6). – Schrottky, 1913a:230 (Argentina: Chaco, Misiones); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Amarante, 2002:60 (in catalog of Neotropical Crabronidae).

538. *multiguttata* R. Turner

Cerceris multiguttata R. Turner, 1908:471, ♀, ♂. Syntypes: ♀, Australia: Queensland: Mackay (BMNH). – R. Turner, 1910b:421 (in key to *Cerceris* of Australia), 1912d:665 (in key to *Cerceris* of Australia), 672 (in revision of *Cerceris* of Australia); Tsuneki, 1968e:4 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Evans, 1982a:329 (in revision of Eastern Australian *Cerceris*); Cardale, 1985:301 (in catalog of Australian Sphecidae); Naumann, 1993:187 (Australia: Queensland: Heathlands area in Cape York).

539. *multipicta* F. Smith

Cerceris multipicta F. Smith, 1873c:411, ♀, ♂. Lectotype: ♀, Angola: no specific locality (BMNH), designated by Empey, 1983:179. – Schletterer, 1887:430 (in revision of Palearctic *Cerceris*), 497 (in checklist of world *Cerceris*); Ed. André, 1889:310 (in revision of Sphecidae of Europe and Algeria), 1891:25* (bibliographic references); Dalla Torre, 1897:468 (in catalog of world Hymenoptera); Brauns, 1911a:238 (South Africa, sleeping on plants), 1926:323 (in revision of Afrotropical *Cerceris*); Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:144, 147 (in key to Afrotropical *Cerceris*); Giner Marí, 1941b:280 (in revision of North African *Cerceris*); Arnold, 1943:74 (Zaire); Empey, 1969a:315 (in checklist of Afrotropical *Cerceris*); I. Robertson, 1969:480 (Tanzania: Ukiriguru); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Empey, 1983:179 (bibliographic reference, type examined); Hancock, Chahwanda, and

Mhlanga, 1995:38 (specimens in Bulawayo Museum); S. Gess and F. Gess, 2003:133 (South Africa: visiting flowers of *Sesuvium sesuvioides* (Fenzl) Verdc., Aizoaceae, *Deverra denudata* (Viv.) Pfisterer and Podl., Apiaceae, *Acacia caffra* (Thunb.) Willd. and *Acacia karroo* Hayne, Fabaceae, and *Limeum fenestratum* (Fenzl) Heimerl, Molluginaceae, as *multipicta multipicta*); Dollfuss, 2020a:101 (locality records from Kenya, Mali, Namibia, and South Africa); Malash, Edmardash, and Gadallah, 2022:29 (in catalog of Middle Eastern and North African Philanthinae).

Cerceris simoni du Buysson, 1897:358, ♀ (as *Simoni*, incorrect original capitalization). Lectotype: ♀, South Africa: Cape Province: Vryburg (MNHN), designated by Empey, 1983:179. Synonymized with *Cerceris multipicta* by Empey, 1969a:315.

Cerceris speculata Shestakov, 1917a:317, ♂. Holotype or syntypes: ♂, Senegal: no specific locality (ZIN). Synonymized with *Cerceris multipicta* by Empey, 1969a:315. – Arnold, 1930:13 (in checklist of Afrotropical Sphecidae).

540. *namibiensis* Dollfuss

Cerceris namibiensis Dollfuss, 2023b:321, ♀, ♂. Holotype: ♀, Namibia: Hardap Region: Zebra Park on Naukluft Mountain at 24.229044°S 15.913022°E (OOLM).

541. *nana* Shestakov

As *Cerceris acuta*: R. Turner, 1912e:489 (in revision of *Cerceris* of Indian subcontinent: Kashmir: Kangra Valley), corrected to *Cerceris nana* by Shestakov, 1918a:124.

Cerceris nana Shestakov, 1918a:124. Syntypes: ♀, India: Kashmir: Kangra Valley (BMNH). – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae).

542. *narcisoi* Fritz

Cerceris narcisoi Fritz, 1983b:164, ♀, ♂. Holotype: ♀, Argentina: Entre Ríos: Parque Nacional El Palmar (originally M. Fritz coll., now MACN). – Fritz, 1993:17 (holotype in M. Fritz coll.); Amarante, 2002:60 (in catalog of Neotropical Crabronidae).

543. *nargisa* Kazenas

Cerceris nargisa Kazenas, 1984a:137, ♀, ♂. Holotype: ♀, Uzbekistan: Samarkand: Mount Chupan-Ata (ZIN). – Kazenas, 2001b:57 (in checklist of Sphecidae of Kazakhstan and Central Asia), as *nargiza*, 2001d:114, 117 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:149 (geographic distribution, collecting localities in Kazakhstan, as *nargiza*), 2004b:112 (Kazakhstan: western Tien Shan, as *nargiza*), 2014a:139 (Kazakhstan: Karatau Mountain Range, as *nargiza*); Dollfuss, 2021c:606 (Uzbekistan: near Samarkand); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution, as *nargiza*).

544. *nasidens* Schletterer

Cerceris nasidens Schletterer, 1887:452, ♀, ♂. Lectotype: ♀, South Africa: Cape Province (Eastern or Western?): no specific locality (NHMW), designated by Empey, 1983:180. – Schletterer, 1887:497 (in checklist of world *Cerceris*); Dalla Torre, 1897:468 (in catalog of world Hymenoptera); Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:195 (original description translated into English); Empey, 1969a:312 (recognition characters), 315 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Empey, 1983:180 (bibliographic reference, type examined); Dollfuss, 1989:8 (holotype in NHMW), 2020:102 (Namibia: 60 km southwest of Otavi, 20 km northeast of Otjiwarongo; Zimbabwe: Bulawayo).

Cerceris kalaharica Bischoff, 1913b:118, ♀, ♂. Lectotype: ♀, Botswana: Sekuma in Kakia District (ZMHU), designated by Empey, 1983:180. Synonymized with *Cerceris nasidens* by Empey, 1969a:311. – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae). – **As *Cerceris africana* race *kalaharica***: Arnold, 1931:138 (new status, description of ♀, in

key to Afrotropical *Cerceris*), 145 (description of ♂ in key to Afrotropical *Cerceris*), 1969a:311, 149 (bibliographic reference). – **As *Cerceris africana kalaharica***: Empey, 1969a:311 (new status, in checklist of Afrotropical *Cerceris*), 312 (recognition characters). – **As *Cerceris kalaharica kalaharica***: Empey, 1972:54 (new subspecific generic assignment, redescription). – **As *Cerceris trichionota kalaharica***: Empey, 1974:119 (new subspecific generic assignment, taxonomic history); R. Bohart and Menke, 1976:628 (in checklist of world Sphecidae); Dollfuss, 2020a:105 (South Africa: Northern Cape Province: Van Zylsrus)

Cerceris africana race *karooensis* Brauns, 1914:230, ♀, ♂. Lectotype: ♀, South Africa: Eastern Cape Province: Willowmore (TMP), designated by Empey, 1983:180. Synonymized with *Cerceris nasidens* by Empey, 1969a:315. – Brauns, 1926:283 (in revision of Afrotropical *Cerceris*); Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:149 (as synonym of *Cerceris kalaharica*).

545. *natalensis* de Saussure

Cerceris natalensis de Saussure, 1867:96, ♀. Lectotype: ♀, South Africa: coast of KwaZulu-Natal (MHNG), designated by Empey, 1983:180 (Article 74.6). – Schletterer, 1887:497 (in checklist of world *Cerceris*); Arnold, 1931:137, 145 (in key to Afrotropical *Cerceris*); Dalla Torre, 1897:468 (in catalog of world Hymenoptera); Empey, 1969a:315 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Empey, 1983:180 (bibliographic reference, type examined); Callan, 1987:102 (prey: Scarabaeidae Melolonthinae: *Hybocamenta* sp.); Dollfuss, 2020a:102 (Namibia: 30 km northeast of Grootfontein).

Cerceris morosula Brauns, 1914:226, ♀, ♂. Lectotype: ♀, South Africa: KwaZulu-Natal: Durban (TMP), designated by Empey, 1983:180. Synonymized with *Cerceris natalensis* by Arnold, 1931:149. – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae); Schouteden, 1930:93 (Zaire).

Cerceris morosula Brauns, 1926:280. Objective synonym of *Cerceris morosula* Brauns, 1914.

546. *neahminax* Scullen

Cerceris neahminax Scullen, 1965b:390, ♀. Holotype: ♀, USA: New Mexico: Santa Fe (CAS). – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Krombein, 1979b:1735 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:490 (in annotated list of North American and Caribbean *Cerceris*).

547. *nebrascensis* H. Smith

Cerceris nebrascensis H. Smith, 1908:368, ♀. Holotype: ♀, USA: Nebraska: Sioux County: Glen (UNL). – Mickel, 1918b:451 (in catalog of Nebraskan Sphecidae); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1009 (in catalog of North American Hymenoptera); Muma, 1952:17 (holotype in UNL), 24 (paratype in UNL); Scullen, 1965b:491 (in revision of North American *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Krombein, 1979b:1735 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:490 (in annotated list of North American and Caribbean *Cerceris*).

548. *nebulosa* Cameron

Cerceris nebulosa Cameron, 1890b:265, ♀. Lectotype: ♀, India: Assam: North Khasi (OXUM), designated by Empey, 1984:78. – Cameron, 1890b:250 (India: North Khasi); Bingham, 1897:301 (in key to *Cerceris* of British India), 311(original description copied); Dalla Torre, 1897:468 (in catalog of world Hymenoptera); R. Turner, 1912e:504 (in revision of *Cerceris* of Indian subcontinent); Ramakrishna Aiyar, 1916:557 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Empey, 1984:78 (in checklist of Oriental *Cerceris* described by Cameron, type examined); Wu and Zhou, 1996a:179 (in revision in Economic Insect Fauna of China); Jonathan, Ray, and Kundu, 2000:212 (India: previously recorded from Meghalaya: East Khasi Hills); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

Cerceris erythropoda Cameron, 1902d:57, ♀, junior primary homonym of *Cerceris erythropoda* Cameron, 1890. Lectotype: ♀, India: Assam: Khasia Hills (OXUM), designated by Empey, 1984:78. Synonymized with

Cerceris nebulosa by R. Turner, 1912e:504. – Empey, 1984:78 (in checklist of Oriental *Cerceris* described by Cameron).

Cerceris himalayensis Cameron, 1905c:220, ♂, junior primary homonym of *Cerceris himalayensis* Bigham, 1898. Lectotype: ♂, India: Assam: Khasia Hills (OXUM), designated by Empey, 1984:78. Synonymized with *Cerceris nebulosa* by R. Turner, 1912e:504.

Cerceris intimella Cameron, 1905c:221, ♀. Lectotype: ♀, India: Assam: Khasia Hills (OXUM), designated by Empey, 1984:78 (Article 74.6). Synonymized with *Cerceris nebulosa* by R. Turner, 1912e:504. – Empey, 1984:78 (in checklist of Oriental *Cerceris* described by Cameron).

Cerceris assamensis Cameron, 1905:269, ♂. Holotype or syntypes: ♂, India: Assam (lost? Empey, 1984:78). Synonymized with *Cerceris nebulosa* by R. Turner, 1912:504. – Empey, 1984:78 (in checklist of Oriental *Cerceris* described by Cameron).

549. *neghelliensis* Guiglia

Cerceris neghelliensis Guiglia, 1939d:62, ♂. Holotype: ♂, Ethiopia: Sidamo: Neghelli, now Negele (MSNG). – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Empey, 1983:180 (bibliographic reference, type not examined).

550. *nenicra* de Saussure

Cerceris nenicra de Saussure, 1887:25, ♀, ♂. Lectotype: ♀, Madagascar: Nosibé (MHNG), designated by Empey, 1983:180. – Dalla Torre, 1897:468 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Empey, 1983:180 (bibliographic reference, type examined); Pulawski, 2003b:799 (in checklist of Malagasy Sphecidae); Madl, 2014a:1001 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records); Dollfuss, 2020a:102 (Madagascar: Lake Andraikiba 4 m est of Antsirabe). – **As *Cerceris nenitra*** (a misspelling): de Saussure, 1892:551 (Madagascar, redescription); R. Turner, 1911b:370 (Seychelles Islands); Arnold, 1945:42 (Madagascar; redescription); Vesey-Fitzgerald, 1956b:362 (Seychelles, as *renitra*); Leclercq, 1961d:102 (Madagascar), 1962b:212 (Madagascar); Empey, 1969a:316 (in checklist of Afrotropical *Cerceris*).

Cerceris perfoveata Arnold, 1947:167, ♀. Holotype: ♀, Madagascar: Ivondro (MNHN). Synonymized with *Cerceris nenicra* by Empey, 1983:180. – Empey, 1969a:318 (in checklist of Afrotropical *Cerceris*, possibly dark form of *Cerceris nenitra*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae).

551. *nenitroidea* Bischoff

Cerceris nenitroidea Bischoff, 1913b:118, ♀, ♂ (♀ = *Cerceris holconota labiosa*). Lectotype: ♂, Botswana: Sevrelela in Kakia District (ZMHU), designated by Empey, 1983:180. – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae, as *ninitroidea*), 1931:194 (original description translated into English); Empey, 1969a:316 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Empey, 1983:180 (bibliographic reference, type examined).

Cerceris pseudoillustris Giner Marí: Empey, 1969a:327. Nomen nudum. Synonymized with *Cerceris nenitroidea* by Empey, 1983:180.

552. *neogenita* Schulz

Cerceris laevigata Holmberg, 1903:476, ♂, junior primary homonym of *Cerceris laevigata* F. Smith, 1856. Lectotype: ♂, Argentina: Buenos Aires: Chacabuco (MACN), designated by Fritz, 1968b:162 (Article 74.6).

Cerceris neogenita W. Schulz, 1906:195. Substitute name for *Cerceris laevigata* Holmberg, 1903. – Schrottky, 1913a:230 (Argentina: Buenos Aires); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Fritz, 1983b:162 (in revision of *Cerceris neogenita* species group); Amarante, 2002:60 (in catalog of Neotropical Crabronidae), 2005a:13 (correction to his 2002 catalog); Dollfuss, 2021b:573b (Argentina: Entre Ríos: Colón, Pronunciamiento).

Cerceris holmbergi Brèthes, 1910a:264 (as *Holmbergi*, incorrect original capitalization). Substitute name for *Cerceris laevigata* Holmberg, 1903.

Cerceris antemissa Brèthes, 1910a:269, ♂, ♀. Lectotype: ♂, Argentina: Jujuy (MACN), designated by Fritz, 1962:64. Synonymized with *Cerceris neogenita* by Fritz, 1962:64. – Jörgensen, 1912:287 (Argentina: Mendoza Province; floral records); Schrottky, 1913a:229 (Argentina: Jujuy, Tucumán).

Cerceris joerjenseni Brèthes: Jörgensen, 1912:287, nomen nudum (as *Jörjenseni*, incorrect original capitalization and diacritic mark, Argentina: Mendoza Province). – Amarante, 2005a:13 (correction to his 2002 catalog).

Cerceris joergenseni Brèthes, 1913:121, ♀, ♂ (as *Jörgenseni*, incorrect original capitalization and diacritic mark). Lectotype: ♀, Argentina: Mendoza: Chacras de Coria (MACN), designated by Fritz, 1968b:168 . Synonymized with *Cerceris neogenita* by Fritz, 1962:64. – Genise, 1990:26 (type material in MACN); Brèthes, 1920a:408 (Argentina); Amarante, 2005a:12 (correction to his 2002 catalog).

553. *nephthys* Arnold

Cerceris nephthys Arnold, 1931:165, ♀ (as *Nephthys*, incorrect original capitalization). Holotype: ♀, Namibia: Okahandja (BMNH). – Arnold, 1931:144 (in key to Afrotropical *Cerceris*); Empey, 1969a:316 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Empey, 1983:181 (bibliographic reference, type examined).

ssp. *plathyrhyncha* Arnold

Cerceris nephthys platyrhyncha Arnold, 1942:20, ♀, ♂. Lectotype: ♀, Zimbabwe: Matetsi (SAM), designated by Empey, 1983:181. – Empey, 1969a:316 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Empey, 1983:181 (bibliographic reference, type examined); Hancock, Chahwanda, and Mhlanga, 1995:38 (paralectotypes in Bulawayo Museum).

554. *nigra* Ashmead

Cerceris nigra Ashmead, 1900:227, ♀. Lectotype: ♀, Lesser Antilles: Island of St. Vincent (USNM), designated by G. Ferguson, 1984b:437. – Ashmead, 1900:307 (in checklist of Caribbean Hymenoptera); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); G. Ferguson, 1984c:490 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:61 (in catalog of Neotropical Crabronidae); Genaro, 2017:10 (in list of Antillean *Cerceris*).

Cerceris eustylicida Williams, 1928a:169, ♀. Holotype: ♀, British Guiana: Berbice County: Blairmont (Bishop Mus.). Synonymized with *Cerceris nigra* by G. Ferguson, 1984c:490. – F. Williams, 1928a:152 (nesting habits); Tsuneki, 1965d:3 (prey record summary: Curculionidae); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae).

555. *nigeriaensis* Dollfuss

Cerceris nigeriaensis Dollfuss, 2023b:323, ♀, ♂. Holotype: ♀, Nigeria: Taraba Region: Gashaka Gumti National Park circa 25 km southwest of Serti at 07°20'N 11°13'E (OÖLM).

556. *nigrescens* F. Smith

Cerceris nigrescens F. Smith, 1856:466, ♀. Lectotype: ♀, Canada: Nova Scotia: no specific locality (BMNH), designated by R. Bohart and Grissell, 1975:49 (Article 74.6). – Cresson, 1862:237 (in catalog of North American Hymenoptera), 1865c:123 (in revision of North American Philanthinae); Packard, 1866:60 (in key to North American *Cerceris*), 62 (bibliographic reference, geographic distribution); Cresson, 1873:230 (Texas); Provancher, 1883b:643 (in revision of Canadian Hymenoptera); Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:497 (in checklist of world *Cerceris*); Dalla Torre, 1897:468 (in catalog of world Hymenoptera); G. Peckham and E. Peckham, 1898:116 (nesting habits); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Harrington, 1902:222 (Canada: Ontario: Ottawa); Viereck and Cockerell, 1904b:138 (in revision of New Mexico *Cerceris*); G. Peckham and E. Peckham, 1905:142 (nest structure, preying on beetles); Banks, 1912:20 (in revision of eastern U.S. *Cerceris*); Faull, 1913:384 (Canada: Toronto region); Stevens, 1917:422 (North Dakota); Mickel, 1918b:450 (in catalog of Nebraskan Sphecidae); Carter, 1925:133 (Canada: Alberta); J.Ch. Bradley, 1928:1017 (in

catalog of New York Sphecidae); Krombein, 1936:94 (nesting, prey: weevils), 99 (floral records); Brimley, 1938:448 (North Carolina: Manee, Southern Pines); Krombein, 1938a:1 (nesting habits); Banks, 1947:18 (in revision of eastern U.S. *Cerceris*); Strickland, 1947:130 (Canada: Alberta); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1009 (in catalog of North American Hymenoptera); Evans, 1957b:85 (description of larva); Spencer, 1957:23 (Canada: British Columbia: dry belt from Kelowna to Chilcotin, Royal Oak near Victoria); Scullen, 1965b:493 (in revision of North American *Cerceris*, as *nigrescens nigrescens*); Tsuneki, 1965d:3 (prey record summary: Curculionidae); G. Bohart, Nye, and Hawthorn, 1970:48 (Utah: Logan, onion pollinator); Evans, 1970:501 (Wyoming: Jackson Hole, as *nigrescens nigrescens*); Horning and Barr, 1970:106 (USA: Idaho: Craters of the Moon National Monument); Scullen and Wold, 1970:212 (distribution and summary of prey records, as *nigrescens nigrescens*); Evans, 1971:512 (nesting habits, as *nigrescens nigrescens*); Steiner, 1973:27 (Canada: Northwest Territories, Yukon Territory, as *nigrescens nigrescens*); R. Bohart and Grissell, 1975:49 (in revision of Philanthinae of California); Evans, 1975a:264 (unsuccessful colonizer of a new habitat); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Kumar, Lavigne, Lloyd, and Pfadt, 1976:51 (Colorado: Pawnee National Grassland); Krombein, 1979b:1736 (in catalog of North American Hymenoptera, nesting sites, list of parasites and prey); Finnamore, 1982:255 (in Sphecid Fauna of southern Quebec); Evans and O'Neill, 1985:1037 (male territorial behavior); G. Ferguson, 1984c:490 (in annotated list of North American and Caribbean *Cerceris*); Piek and Spanjer, 1986:182 (in list of Sphecidae with known prey); Spofford, Kurczewski, and Downes, 1989:258 (reference to publication on nest parasite *Senotainia trilineata* (Wulp), a miltogrammine fly); Kurczewski and Acciavatti, 1990:61 (New York: Cayuga County); Ahlstrom, 1995:114 (in checklist of insects of North Carolina); Finnamore, 1997:893 (Canada: Yukon); Kurczewski, 1998d:250 (pine barrens in upstate New York); Buck, 2004:28 (in checklist of Sphecidae of Ontario, Canada); Buck, Paiero, and Marshall, 2006:46, 48 (in key to eastern Canadian *Cerceris*); Ratzlaff, 2016:28 (Canada: British Columbia: from Spencer, 1957, Scullen, 1965, and Krombein, 1979); Dollfuss 2021b:573 (Canada: Ontario: 7 mi. east of Griffith; USA: Washingron: Benton County: Prosser); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Alaska: no specific locality, Canada: Alberta, British Columbia, Northwest Terrtories, Nova Scotia, Ontario, Quebec, Saskatchewan, Yukon Territory, first record from Manitoba and Prince Edward Island: no specific locality).

Cerceris munda Mickel, 1918a:337, ♀, ♂. Holotype: ♀, USA: California: Sacramento (UNL). Synonymized with *Cerceris nigrescens* by Scullen, 1960:79 and R. Bohart and Grissell, 1975:49 (as new synonymy). – Banks, 1947:18 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1009 (in catalog of North American Hymenoptera); Muma, 1952:17 (holotype in UNL) – **As *Cerceris nigrescens munda*:** Scullen, 1965b:497 (new status, in revision of North American *Cerceris*).

Cerceris abbreviata Banks, 1919:84, ♂. Lectotype: ♂, Washington: Yakima River: Nelson's (MCZ), designated by R. Bohart and Grissell, 1975:50, and G. Ferguson, 1983b:224. Synonymized with *Cerceris nigrescens* by Scullen *in* Muesebeck, Krombein, and Townes, 1951:1009. – Banks, 1947:17 (in revision of eastern U.S. *Cerceris*).

557. *nigriceps* F. Smith

Cerceris nigriceps F. Smith, 1873b:106, ♀. Holotype or syntypes: ♀, Brazil: Amazonas: Pará: Pará, now Belém (BMNH). – Schletterer, 1887:498 (in checklist of world *Cerceris*); Dalla Torre, 1897:468 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

558. *nigrosa* Fritz

Cerceris nigrosa Fritz, 1989:263, ♀. Holotype: ♀, Argentina: Salta: Rosario de Lerma (originally M. Fritz coll., now MACN). – Fritz, 1989:261 (in key to *pollens* species group), 1993:17 (holotype in M. Fritz coll.);

Amarante, 2002:61 (in catalog of Neotropical Crabronidae); Dollfuss, 2021b:573 (Argentina: Salta: Rosario de Lerma).

559. *nigrostoma* Brauns

Cerceris nigrostoma Brauns, 1926:301, ♀, ♂. Lectotype: ♀, South Africa: Eastern Cape Province: Willowmore (TMP), designated by Empey, 1983:181. – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:141, 147 (in key to Afrotropical *Cerceris*); Empey, 1969a:317 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Empey, 1983:181 (bibliographic reference, type examined); Hancock, Chahwanda, and Mhlanga, 1995:38 (paralectotype in Bulawayo Museum); Dollfuss, 2020a:102 (locality records from Kenya: Voi; and Namibia).

560. *nikolaji* Kazenas

Cerceris nikolaji Kazenas, 1980a:794, ♀. Holotype: ♀, Tajikistan: Dushanbe (ZIN). – Kazenas, 1984a:153 (in revision of *Cerceris* of Kazakhstan and Central Asia); Nazarova and Shomirsaidov, 1997:24 (Tajikistan: fruit tree orchards in Vakhsh River valley); Kazenas, 2001b:57 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:112 (in key to *Cerceris* of Kazakhstan and Central Asia).

561. *nipponensis* Tsuneki

Cerceris nipponensis Tsuneki, 1961c:31, ♀, ♂. Holotype: ♀, Japan: Ishikawa Prefecture: Mont Haku (originally K. Tsuneki coll., now Hyogo Mus.). – Tsuneki, 1961c:7, 14, 22, 23 (in key to *Cerceris* of northeastern Asia), 32 (comparison wirh *Cerceris cardinalis*); Tsuneki and Shimoyama, 1963:49 (Japan: Towada Prefecture); Handea, 1965:19 (Japan: Fukui Prefecture); Tsuneki, 1965d:3, 4 (prey record summary: Curculionidae, Chrysomelidae), 31 (nesting habits); Haneda, 1967:1 (recognition characters of male); Tsuneki, 1967g:44 (western Japan: Mont Hyonosen); Haneda, 1968a:46 (Japan); Matsuura, 1968:29 (Japan); Tano, 1968:34 (Japan); Tsuneki, 1968l:51 (South Korea: Island of Quelpart, now Island of Cheju), 1968n:58 (comparison with male of *Cerceris carinalis*); Haneda, 1969:70 (Japan: Yamanashi Prefecture); Yamada, 1971:35 (Japan: Aichi Prefecture); Nambu, 1973a:152 (Japan: Saitama Prefecture); Suda, 1973:123 (Japan: Yamanashi Prefecture); Nambu, 1975b:72 (Japan: Saitama Prefecture); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Kazenas, 1979d:81, 86 (in key to *Cerceris* of Russian Far East); Paik, 1985:203 (in list of Sphecidae of Korea); Tano, 1994a:8 (holotype in K. Tsuneki collection); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:468, 476 (in key to Sphecidae of Russian Far East); Sk. Yamane and Tano, 1995:17 (Japan: Ryukyu Islands); Hashimoto and Nakanishi, 1997:29 (holotype transferred to Hyogo Mus.); Yamane, Ikudome, and Terayama, 1999:547 (in Identification Guide to Crabronidae of Nansei = Ryukyu Islands, Japan); Haneda, 2003:4 (Japan: Nagasaki Prefecture: Tsushima); Tano, Kurokawa, Murota, and Nozaka, 2003:33 (Japan: Nagasaki Prefecture: Tsushima); Haneda, Nosaka, Tano, Kurokawa, and Murota, 2004:38 (Japan: Gifu Prefecture); Suda, 2004:47 (Japan: Yamanashi Prefecture); Haneda, Nozaka, Tano, Kurokawa, and Murota, 2005:55 (Japan: Gifu Prefecture); Terayama and Tano, 2005:4, 6 (in key to Japanese *Cerceris*); Haneda, Nozaka, Tano, Kurokawa, and Murota, 2006a:30 (Japan: Toyama Prefecture); Ohkusa and Tajima, 2010:13 (Japan: Island of Honshu: Shiga Prefecture); N. Yamamoto, 2011:14 (Japan: Kyūshyū: mainland Nagasaki Prefecture); J.-K. Kim, 2014:448 (in catalog of Sphecidae *sensu lato* of Korean Peninsula); Dollfuss, 2021c:606 (Japan: Yamagata Prefecture: Chojyagahara).

562. *nitidoides* G. Ferguson

Cerceris nitida Banks, 1913b:424, ♀, ♂, junior primary homonym of *Cerceris nitida* Wesmael, 1852. Lectotype: ♀, USA: North Carolina: Valley of Black Mountain (AMNH), designated by G. Ferguson, 1983b:231.– Mickel, 1918b:454 (in catalog of Nebraskan Sphecidae); Brimley, 1938:448 (North Carolina: Valley of Black Mountnain); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1009 (in catalog of North American Hymenoptera); Scullen, 1965b:498 (in revision of North American *Cerceris*); Scullen *in* R. Bohart and Menke, 1976:583 (as new synonym of *Cerceris melanthe*).

Cerceris nitidoides G. Ferguson, 1984c:490. Substitute name for *Cerceris nitida* Banks, 1913. – Buck, 2004:28 (Canada: in checklist of Crabronidae of Ontario), 31 (distribution within Ontario), 73 (first record from Ontario: Merivale); Buck, Paiero, and Marshall, 2006:45, 46 (in key to eastern Canadian *Cerceris*); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Ontario, Quebec: no specific locality).

563. *nitrariae* Morice

Cerceris nitrariae Morice, 1911:89, ♀, ♂. Syntypes: Algeria: Biskra (BMNH). – Shestakov *in* Nadig, 1933:97 (Morocco: Marrakech); Giner Marí, 1941b:214 (in revision of North African *Cerceris*); de Beaumont, 1951f:380 (Tunesia to Morocco; diagnostic characters), 1953g:124 (Morocco: Goulmina); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); K. Schmidt, 2000:31 (in revision of Western Palearctic *Cerceris*); Dollfuss, 2018:1153 (Morocco: Ait Benhaddu near Ouarzazate); Ben Khedher, Yildirime, and Braham, 2020c:539 (Tunisia: previous records summarized, new locality record: Kairouan Province: Barouta); Dollfuss, 2021c:606 (Algeria: Ain Zaatout in Aurès Mountains, Biskra, Hammam Salihine; Moroco: 10 km east of Guelmim; Yemen: Wadi Aniz south-southwest of Sanaa at 14°60'N 44°09'E); Malash, Edmardash, and Gadallah, 2022:29 (in catalog of Middle Eastern and North African Philanthinae).

564. *nortina* Fritz and Toro

Cerceris nortina Fritz and Toro, 1969:164, ♀ (as *nortinus*, incorrect original termination). Holotype: ♀, Chile: Atacama: Río Manflas (Mus. Nac. Hist. Nat. Santiago). – Sielfeld, 1971:255 (in key to Chilean *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae, as *nortinus*); Sielfeld, 1980b:75 (in checklist of Chilean Sphecidae, as *nortinus*); Amarante, 2002:61 (in catalog of Neotropical Crabronidae), 2005a:13 (correction to his 2002 catalog).

565. *nugax* Arnold

Cerceris nugax Arnold, 1931:176, ♂. Holotype: ♂, Nigeria: Zungeru (BMNH). – Arnold, 1931:145 (in key to Afrotropical *Cerceris*), 1951:112 (Mali: Tillembeya); Empey, 1969a:317 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Empey, 1983:181 (bibliographic reference, type examined, as *nugax nugax*); Guichard, 1993a:160 (Arabian Peninsula); Gadallah and Assery, 2004a:218 (in key to Sphecidae of Jeddah Region, Saudi Arabia), 234 (in catalog of Sphecidae of Saudi Arabia); Schmid-Egger, 2011b:517 (United Arab Emirates: 10 km east of Ra's al-Khaimah airport); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:358 (in new catalog of Sphecidae of Saudi Arabia); Madl, 2018:942 (in catalog of Hymenoptera of Djibouti); Dollfuss, 2020a:102 (locality records from Mali); Gadallah, 2020b:64 (in list of aculeate wasps of Arabian Peninsula); Malash, Edmardash, and Gadallah, 2022:29 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:300 (record by Schmid-Egger, 2011b is a misdetermination); Dollfuss, 2023a:409 (Oman).

ssp. *dahlak* Menke

Cerceris nugax insularis Arnold, 1951:112, ♂, junior primary homonym of *Cerceris insularis* F. Smith, 1856. Holotype: ♂, Eritrea: Island of Dahlak (BMNH). – Empey, 1969a:317 (in checklist of Afrotropical *Cerceris*); Madl, 2023:256 (in catalog of Crabronidae of Eritrea).

Cerceris nugax dahlak Menke *in* R. Bohart and Menke, 1976:584. Substitute name for *Cerceris insularis* Arnold, 1951. – Empey, 1983:181 (in bibliographic reference, type examined); Madl, 2023:256 (in catalog of Crabronidae of Eritrea).

566. *nut* Dollfuss

Cerceris nut Dollfuss¸ 2023b:326, ♀, ♂. Holotype: ♀, Tanzania: Kilimanjaro Province: 10 km south of Same at 04°09'30"S 37°46'10"E (OÖLM). Paratype: Kenya.

567. *oaxaca* Scullen

Cerceris oaxaca Scullen, 1972:90, ♀, ♂ (♂ = *Cerceris truncata*). Holotype: ♀, Mexico: Oaxaca: 12 mi. southeast of Oaxaca (USNM). – R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); G. Ferguson, 1984c:490 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:61 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

568. *obo* Tsuneki

Cerceris obo Tsuneki, 1971l:430, ♀, ♂. Holotype: ♀, Mongolia: Hovd Aymag: Somon Bulag (TMB). – R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Dollfuss, 2021c:607 (Mongolia: Gurvan Saykhan in Gobi National Park at 44.00°N 101.80°E).

569. *obregon* Scullen

Cerceris obregon Scullen, 1972:34, ♀, ♂. Holotype: ♀, Mexico: Sonora: 38 mi. northwest of Obregon (USNM). – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); G. Ferguson, 1984c:490 (listed); Amarante, 2002:61 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

570. *obscura* Schletterer

Cerceris nasidens var. *obscura* Schletterer, 1887:453, ♀. Lectotype: ♀, South Africa: Cape Province (Eastern or Western?): no specific locality (NHMW), designated by Empey, 1983:181 (Article 74.6). – Dalla Torre, 1897:468 (in catalog of world Hymenoptera); Arnold, 1931:195 (original description translated into English). – **As *Cerceris nasidens obscura***: Empey, 1969a:315 (new status, in checklist of Afrotropical *Cerceris*, recognition characters), 1974:100 (synonymy); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Gess, 1980a:86 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown), 88 (prey: melolonthine beetles), 1981:21 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown; nesting in sandy soils); Callan, 1987:102 (prey: Scarabaeidae Melolonthinae: *Ablabera splendida* (Fabricius), *Ablaberoides aeneus* Blanchard, *Trochalus aeruginosus* Burmeister); Dollfuss, 1989:8 (holotype in NHMW); S. Gess and F. Gess, 2003:133 (South Africa: visiting flowers of *Acacia karroo* Hayne, Fabaceae). – **As *Cerceris obscura***: Empey, 1983:181 (full species status).

Cerceris africana Cameron, 1905m:222, ♀. Lectotype: ♀, South Africa: Eastern Cape Province: Dunbrody at 33°29'S 25°33'E (BMNH), designated by Empey, 1974:100. Synonymized with *Cerceris nasidens obscura* by Empey, 1969a:315. – Brauns, 1914:228 (in revision of Afrotropical *Cerceris*, description of ♂), 1926:282 (in revision of Afrotropical *Cerceris*); Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:138, 145 (in key to Afrotropical *Cerceris*); Giordani Soika, 1942:plate II (photograph of pygidial plate).

571. *obsoleta* Cameron

Cerceris obsoleta Cameron, 1890a:118, ♀. Lectotype: ♀, Mexico: Tabasco: Teapa (BMNH), designated by G. Ferguson, 1984b:437. – Dalla Torre, 1897:469 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Scullen, 1972:91 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); G. Ferguson, 1984c:491 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:61 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

572. *occipitomaculata* Packard

Cerceris occipitomaculata Packard, 1866:62, ♂. Holotype or syntypes: ♂, USA: Kansas: no specific locality (lost). Neotype: ♂, USA: Texas: Hunt County: no specific locality (USNM), designated by Scullen, 1965b:501. – Packard, 1866:60 (in key to North American *Cerceris*); Cresson, 1873:229 (Texas), 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:498 (in checklist of world *Cerceris*); Dalla Torre, 1897:469 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Bridwell, 1899:209 (Kansas: no specific locality); H. Smith, 1908b:368 (in revision of Nebraskan Sphecidae); Stevens, 1917:422 (North Dakota); Mickel, 1918b:449 (in catalog of Nebraskan Sphecidae); Carter, 1925:133 (Canada: Alberta; as *occiputomaculatta*); J.Ch. Bradley, 1928:1017 (in catalog of New York Sphecidae); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1009 (in catalog of North American Hymenoptera); Scullen, 1965b:500 (in revision of North American *Cerceris*), 1972:91 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Krombein, 1979b:1736 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:491 (in annotated list of North American and Caribbean *Cerceris*); Ahlstrom, 1995:114 (in checklist of insects of North Carolina); Amarante, 2002:61 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Buck, 2004:28 (Canada: in checklist of Crabronidae of Ontario,), 31 (distribution within Ontario), 73 (first record from Ontario: Algonquin Provincial Park); Buck, Paiero, and Marshall, 2006:46, 48 (in key to eastern Canadian *Cerceris*); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Alberta, first record from Saskatchewan: no specific locality).

Cerceris fasciola Cresson, 1873:230, ♂. Holotype: ♂, USA: Texas: Comal County: no specific locality (ANSP). Synonymized with *Cerceris occipitomaculata* by Scullen, 1965b:500. – Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:491 (in checklist of world *Cerceris*); Dalla Torre, 1897:459 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Banks, 1912:23 (in revision of eastern U.S. *Cerceris*); Cresson, 1916:100 (holotype in ANSP); Rohwer, 1916b:695, 696 (in catalog of Hymenoptera of Connecticut); Washburn, 1919:225 (in list of Hymenoptera of Minnesota); Britton, 1920:342 (in checklist of insects of Connecticut); Rohwer *in* Viereck, 1925:695, 696 (in key to Sphecidae of Connecticut; Rockville); Brimley, 1938:447 (North Carolina: Harnett County); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1007 (in catalog of North American Hymenoptera).

Cerceris novomexicana Viereck and Cockerell, 1904b:137,♀. Holotype: ♀, USA: New Mexico: Johnson Park (ANSP). Synonymized with *Cerceris occipitomaculata* by Scullen, 1965b:500. – Cresson, 1928:49 (holotype in ANSP); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1009 (in catalog of North American Hymenoptera).

573. *oceania* de Beaumont

Cerceris oceania de Beaumont, 1951f:355, ♀, ♂. Holotype: ♀, Morocco: Sidi Moussa (Lausanne). – de Beaumont, 1953g:123 (Morocco); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); K. Schmidt, 2000:70 (in revision of Western Palearctic *Cerceris*); Dollfuss, 2018:1153 (Morocco: Agadir), 2021c:607 (Morocco: Taroudant, Tamri 70 km north of Agadir); Malash, Edmardash, and Gadallah, 2022:30 (in catalog of Middle Eastern and North African Philanthinae).

574. *odontophora* Schletterer

Cerceris odontophora Schletterer, 1887:398, ♀, ♂. Syntypes: Greece: Islands of Corfu and Crete (NHMW). – Schletterer, 1887:498 (in checklist of world *Cerceris*); Ed. André, 1889:225 (in revision of Sphecidae of Europe and Algeria), 1891:26* (bibliographic references); Dalla Torre, 1897:469 (in catalog of world Hymenoptera); W. Schulz, 1906:45 (Greece: Island of Crete); Shestakov, 1918a:142 (as synonym of *Cerceris maculata*), 1926:240 (synonym of *Cerceris maculata* or closely related species); Giner Marí, 1945a:248

(Greece: Island of Rhodes); Grandi, 1954:237 (Italy); de Beaumont, 1957b:132 (northern Iran; recognition characters), 1957d:328 (earlier paper cited), 1958d:272 (Greece; additional characteristics), 1965a:19 (Greece); Pulawski, 1958a:166 (Bulgaria: Varna); de Beaumont, 1960a:7 (Greece: Island of Rhodes); Balthasar, Hrubant, and Hrubant, 1967:175 (Bulgaria: Slanchev Bryag near Nessebar); de Beaumont, 1967a:284 (Turkey), 1969:82 (Turkey); Balthasar, 1972:401 (in Sphecid Fauna of Czechoslovakia: may be expected in the country); Kazenas, 1972b:128 (Kazakhstan), 1974b:109 (feeding on flowers of *Tamarix* sp., Tamaricaceae, in Kazakhstan, as *odontofora*), 110 (feeding on flowers of *Euphorbia* spp., Euphorbiaceae, in Kazakhstan, as *odontofora*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Guichard, 1978:270 (Greece); Kazenas, 1978b:58 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1978:190, 192 (in key to Sphecidae of European part of USSR); Schmidt and Westrich, 1983:125 (Greece); Kazenas, 1984a:77 (in revision of *Cerceris* of Kazakhstan and Central Asia); Pagliano, 1988:155 (in revision of Italian Philanthinae); Dollfuss, 1989:8 (type material in NHMW); Pagliano, 1990:98 (in catalog of Italian Sphecidae); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Minoranskiy and Shkuratov, 1996:81 (Russia: Rostov Oblast'); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:350 (in Sphecid Fauna of Western Europe); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Giachino, Grosso, Marchetti, Pagliano, Scaramozzino, and Vailati, 2000:110 (Greece); K. Schmidt, 2000:94 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:57 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:111 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:149 (geographic distribution, collecting localities in Kazakhstan); Shkuratov, 2004a:74 (Russia: Rostov Oblast'); Jacobs, 2005a:441 (Bulgaria: Arkutino near Burgas); Pagliano and Negrisolo, 2005:332 (in Sphecid Fauna of Italy); Standfuss and Standfuss, 2006b:100 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Ljubomirov and Yildirim, 2008:146 (in catalog of Crabronidae of Turkey); Pagliano, 2009:183 (Italy: Piemonte: Bonvicino); Shorenko and Konovalov, 2010:28 (Ukraine: Lugansk Oblast': village Trekhizbenka); Tüzün and Yüksel, 2010:4475 (Turkey: Niğde Province); Yildirim, 2012:78 (Turkey: Erzurum: University campus); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces), X. Li, Q. Li, and L. Ma, 2014:227 (first record from China: Xinjiang: Alashankou); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:79 (Iran: known from Ardabil Province); Dollfuss, 2018:1153 (locality records from Bulgaria, Greece, and Turkey); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:9 (Azerbaijan: Nakhichevan Autonomous Republic); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:17 (Iran: known from Sistan-o Baluchestan Province); Dollfuss, 2021a:944 (locality records from Bulgaria, Greece, and Turkey), 2021c:607 (locality records from Armenia, Bulgaria, Greece, Iran, Israel, Russia: Kalmykia Republic: near Godzhur, Syria, and Turkey); Kaplan and Yildirim, 2021:97 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:30 (in catalog of Middle Eastern and North African Philanthinae) K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:258 (in revision of Sphecidae *sensu lato* of Europe); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey); Malash Edmardash, and Gadallah, 2024a:4 (in key to Western Palearctic members of *Cerceris bupresticida* species group), 17 (in revision of Western Palearctic members of *Cerceris bupresticida* species group).

575. *okumurai* Tsuneki

Cerceris okumurai Tsuneki, 1968a:1, ♀. Holotype: ♀, Japan: Ryukyus Islands: Islands of Amami-Oshima: Simmura (originally K. Tsuneki coll., now Hyogo Mus.). – Murota, 1973a:101 (islands of Amami-Oshima); Tsuneki, 1968o:65 (recognition characters); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Tsuneki, 1982g:65 (known from Ryukyu archipelago); Sk. Yamane and Tano, 1995:16 (Japan: Ryukyu Islands; description of ♂); Tano, 1994a:8 (holotype in K. Tsuneki collection); Hashimoto and Nakani-

shi, 1997:29 (holotype transferred to Hyogo Mus.); Yamane, Ikudome, and Terayama, 1999:547 (in Identification Guide to Crabronidae of Nansei = Ryukyu Islands, Japan); Terayama and Tano, 2005:2, 5 (in key to Japanese *Cerceris*); Murota and Kurokawa, 2009:15 (Japan: Ryukyu Archipelago: Amami Oshima Islands).

576. *omaniensis* Dollfuss

Cerceris omaniensis Dollfuss, 2023a:13, ♀. Holotype: ♀, Oman: Dhofar: 80 km west of Salalah at16.840ºN 53.311ºE (OÖLM).

577. *opposita* F. Smith

Cerceris opposita F. Smith, 1873c:413, ♀. Holotype or syntypes: ♀, Australia: Victoria: Lower Plenty, now Melbourne (BMNH). – Schletterer, 1887:498 (in checklist of world *Cerceris*); Froggatt, 1892:222 (in catalog of Australian Hymenoptera); Dalla Torre, 1897:469 (in catalog of world Hymenoptera); R. Turner, 1910b:420 (in key to *Cerceris* of Australia), 1912d:665 (in key to *Cerceris* of Australia), 671 (in revision of *Cerceris* of Australia); Tsuneki, 1968e:4 (in key to *Cerceris* of Australia); Evans and Matthews, 1970:153 (prey: *Edusella* sp., Chrysomelidae Eumolpinae); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Evans, 1982a:341 (in revision of Eastern Australian *Cerceris*); Cardale, 1985:301 (in catalog of Australian Sphecidae); Evans and Hook, 1986a:28 (summary of behavioral data), 1986b:1299 (bibliographic reference to Evans and Matthews, 1970).

578. *orangiae* Brauns

Cerceris orangiae Brauns, 1926:331, ♀, ♂. Lectotype: ♀, South Africa: Free State: Bloemfontain (TMP), designated by Empey, 1983:181. – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:141, 146 (in key to Afrotropical *Cerceris*), 1942:5 (recognition characters); Empey, 1969a:317 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Empey, 1983:181 (bibliographic reference, type examined); Dollfuss, 2020a:102 (Namibia: 40 km west of Witvei).

Cerceris orangiae var. *korana* Brauns, 1926:333, ♀ (as *Korana*, incorrect original capitalization). Lectotype: ♀, South Africa: Free State: Bloemfontein (TMP), designated by Empey, 1983:181. Synonymized with *Cerceris orangiae* by Empey, 1969a:317.

579. *oraniensis* Brauns

Cerceris oraniensis Brauns, 1926:329, ♀, ♂. Lectotype: South Africa: Free State: Bloemfontein (TMP), designated by Empey, 1983:182. – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:139, 146 (in key to Afrotropical *Cerceris*); Empey, 1969a:317 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Gess, 1980a:86 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown), 88 (prey: curculionids), 1981:21 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown; nesting in sandy soils; nests deep); Empey, 1983:182 (bibliographic reference, type examined); Dollfuss, 2020a:102 (Namibia: 28 km south of Kamanjab; South Africa: Northern Cape Province: 28 km east of Olifanthoek).

Cerceris lingnaui Arnold, 1933b:54, ♀ (as *Lingnaui*, incorrect original capitalization). Holotype: ♀, South Africa: Free State: Wepener (DEI). Synonymized with *Cerceris oraniensis* by Empey, 1969a:317. – Oehlke and Wudowenz, 1974:424 (holotype in DEI).

580. *orientalis* F. Smith

Cerceris orientalis F. Smith, 1856:454, ♀, ♂. Syntypes: India: Madras: no specific locality (BMNH). – A. Costa, 1864a:61 (one specimen from Madras, India, in Napoli Museum); F. Smith, 1871a:370 (in catalog of Oriental Aculeata); Schletterer, 1887:498 (in checklist of world *Cerceris*); Cameron, 1890b:250 (India: Barrackpore), 265 (redescription); Bingham, 1897:300 (in key to *Cerceris* of British India), 302 (in revision of *Cerceris* of British India); Dalla Torre, 1897:469 (in catalog of world Hymenoptera); Bingham, 1902:214

(South Africa, "indentical with specimens from Karachi"); Rothney, 1903:105 (India: West Bengal: Barrackpore); R. Turner, 1912e:487 (in revision of *Cerceris* of Indian subcontinent); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Dollfuss, 2020b:121 (Laos: Hua Phan Province: Phou Pan Mountain near Ban Saleui village at 20°13'30"N 103°59'26"E).

581. *osculata* Evans

Cerceris osculata Evans, 1982a:361, ♀, ♂. Holotype: ♀, Australia: Queensland: 56 km south of Nappamerry (ANIC). – Cardale, 1985:301 (in catalog of Australian Sphecidae).

582. *osiris* Arnold

Cerceris osiris Arnold, 1931:172, ♀, ♂ (as *Osiris*, incorrect original capitalization). Lectotype: ♀, Namibia: Okahandja (BMNH), designated by Empey, 1983:182. – Arnold, 1931:143, 148 (in key to Afrotropical *Cerceris*); Empey, 1969a:317 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae).

583. *otomia* de Saussure

Cerceris otomia de Saussure, 1867:99, ♀, ♂. Lectotype: ♀, Mexico: no specific locality (NHMW), designated by G. Ferguson, 1984b:438. – Schletterer, 1887:498 (in checklist of world *Cerceris*); Cameron, 1890a:116 (Mexico, diagnostic characters); Dalla Torre, 1897:496 (in catalog of world Hymenoptera, as *otomita*); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Rau, 1933:183 (Panama: Island of Barro Colorado, as *otomaria*, prey: beetles of genus *Nodonota*, Chrysomelidae); Tsuneki, 1965d:3 (prey record summary: Curculionidae; as *otomaria*); G. Ferguson, 1984c:491 (as valid species, in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:61 (in catalog of Neotropical Crabronidae); Dollfuss, 2021b:573 (Costa Rica: Cahuita near Manzanillo, La Fortuna near Areal; USA: Florida: Okaloosa County: Blackwater River near Holt). – **As *Cerceris insolita otomia***: Scullen, 1972:65 (new status, in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Dollfuss, 1989:8 (lectotype in NHMW); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

Cerceri flavomaculata Cameron, 1890:115, ♀, ♂ (♂ = *Cerceris cooperi*), as *flavo-maculata*, incorrect original hyphenation. Lectotype: ♀, Costa Rica: Rio Susio (BMNH), designated by G. Ferguson, 1984b:435. Synonymized with *Cerceris otomia* by G. Ferguson, 1984c:491. – Dalla Torre, 1897:461 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Scullen, 1972:27 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae).

584. *palawanensis* Tsuneki

Cerceris palawanensis Tsuneki, 1976b:39, ♀. Holotype: ♀, Philippines: Palawan: Pinigisan (ZMUC). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:46, 49 (in key to *Cerceris* of Philippines), 65 (bibliographic reference).

585. *paleata* de Saussure

Cerceris paleata de Saussure, 1891:262, ♀. Lectotype: ♀, Madagascar: Andreagoloka (MHNG), designated by Empey, 1983:182 (Article 74.6). – de Saussure, 1892:543 (Madagascar, redescription); Dalla Torre, 1897:469 (in catalog of world Hymenoptera); Arnold, 1945:24 (Madagascar; redescription); Leclercq, 1962b:212 (Madagascar: Mandraka); Empey, 1969a:318 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Empey, 1983:182 (bibliographic reference, type examined); Pulawski, 2003b:799 (in checklist of Malagasy Sphecidae); Madl, 2014a:1002 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records).

Cerceris carnaria de Saussure, 1892:545, ♂. Lectotype: ♂, Madagascar: Antananarivo and Bezanozano Province: Anosibé (MHNG). Synonymized with *Cerceris paleata* by Arnold, 1945:24. – Dalla Torre, 1897:455 (in catalog of world Hymenoptera).

586. *pallidula* Morice

Cerceris pallidula Morice, 1897:302, ♀, ♂. Syntypes: Egypt: Abbasiyah near Cairo (OXUM). – Morice, 1911:83 (Algeria: Biskra); Storey, 1916:108 (Egypt: Maadi); Mochi, 1938:177 (in revision of Egyptian *Cerceris*); Giner Marí, 1941b:192 (in revision of North African *Cerceris*); de Beaumont, 1951f:335 (Egypt, diagnostic characters, as *pallidula pallidula*); de Beaumont and Bytinski-Salz, 1959:122 (Israel); Pulawski, 1964:73 (Egypt: Maadi, as *pallidula pallidula*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Guichard, 1991a:338 (Jordan); K. Schmidt, 2000:166 (in revision of Western Palearctic *Cerceris*); Roche, 2007a:132 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae, as *pallidula pallidula*), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae, as *pallidula pallidula*); Dollfuss, 2018:1154 (Egypt: Wadi Hof, Jordan: Wadi Rum, Moroco: Mhamid, and Tunisia: Gafsa-El Guetar); Ben Khedher, Yildirime, and Braham, 2020c:540 (Tunisia: previous records summarized, new locality records from Kebili, Mahdia, Nabeul, and Tataouine provinces); Dollfuss, 2021c:607 (Israel: 10 km north of Nizzana at 30.944°N 34.401°E; Syria: Homs: near al-Muharram and near Palmyra); Malash, Edmardash, and Gadallah, 2022:30 (in catalog of Middle Eastern and North African Philanthinae).

ssp. *annexa* Kohl

Cerceris annexa Kohl, 1898:95, ♀, ♂. Syntypes: ♀, Algeria: Biskra, Oran (NHMW). – Longstaff, 1911:125 (Sudan: Mogran); Morice, 1911:84 (Algeria: Biskra), 1921:823 (Iraq: Amara, Fao, Khaniquin); nec von Schulthess, 1926a:210 (= *Cerceris pulchella*); Giner Marí, 1941b:187 (in revision of North African *Cerceris*), 1947:20 (Western Sahara); de Beaumont, 1950f:397 (Algeria); Derwesh, 1965:69 (Iraq: no specific locality). – **As *Cerceris pallidula annexa***: de Beaumont, 1951f:336 (new status), 1953g:122 (Morocco); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Dollfuss, 1989:8 (type material in NHMW); K. Schmidt, 2000:168 (in revision of Western Palearctic *Cerceris*); Augul, 2017:199 (recorded from Iraq by Morice, 1921 and Dervesh, 1965 as *Cerceris annexa*); Dollfuss, 2018:1154 (locality records from Algeria and Morocco); Ben Khedher, Yildirime, and Braham, 2020c:540 (Tunisia previously recorded from Kairouan); Dollfuss,2021c:608 (Algeria: Biskra; Morocco: several localities); Malash, Edmardash, and Gadallah, 2022:30 (in catalog of Middle Eastern and North African Philanthinae).

587. *palmetorum* de Beaumont

Cerceris palmetorum de Beaumont, 1950d:8. Nomen nudum (Egypt: Siwa oasis).

Cerceris palmetorum de Beaumont, 1951f:342, ♀, ♂. Holotype: ♀, Egypt: Siwa Oasis: El Arig (BMNH) – R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); K. Schmidt, 2000:95 (in revision of Western Palearctic *Cerceris*); Roche, 2007a:133 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Dollfuss, 2021c:608 (Oman: Muwarrah; United Arab Emirates: Umm al Quwain: Biatah at 25°25'N 57°47'E); Malash, Edmardash, and Gadallah, 2022:31 (in catalog of Middle Eastern and North African Philanthinae), 2024a:4 (in key to Western Palearctic members of *Cerceris bupresticida* species group), 19 (in revision of Western Palearctic members of *Cerceris bupresticida* species group).

588. *panama* Scullen

Cerceris insolita panama Scullen, 1972:67, ♀, ♂. Holotype: ♀, Costa Rica: 7 mi. southeast of Liberia (USNM). – R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae). – **As *Cerceris panama***: G. Ferguson, 1984c:491 (full species status, in annotated list of North American and Caribbean *Cerceris*); Cambra and Santos, 2000:50 (Panama: Parque Nacional Coiba in Isla de Coiba, Pacific Ocean); Amarante,

2002:61 (in catalog of Neotropical Crabronidae); Santos Murgas and Lanuza Garay, 2018:5 (Panama: Panamá Oeste: Justo Arosemena at 8°55'11"N 79°43'12"W; prey: *Rhabdopterus fulvipes* (Jacoby), Chrysomelidae).

589. *papuensis* Krombein

Cerceris papuensis Krombein, 1969b:16, ♀. Holotype: ♀, Indonesia: Irian Jaya (= Indonesian New Guinea): Manokwari (KU). – R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae).

590. *paratristis* Coumar and Dey

Cerceris paratristis Coumar and Dey, 2003:101, ♂. Holotype: ♂, India: New Delhi: Indian Agricultural Research Institute (Indian Agricultural Research Institute).

591. *paupercula* Holmberg

Cerceris paupercula Holmberg, 1903:476, ♂ (authorship attributed to F. Lynch Arribálzaga). Holotype or syntypes: ♂, Argentina: Buenos Aires: Baradero (MACN). – Schrottky, 1913a:230 (Argentina: Buenos Aires); Fritz, 1968b:162 (MACN "no tiene tipo"); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

592. *paulista* Fritz

Cerceris paulista Fritz, 1983b:168, ♀. Holotype: ♀, Brazil: São Paulo (originally M. Fritz coll., now MACN). – Fritz, 1993:17 (holotype in M. Fritz coll.); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

593. *pava* Kazenas

Cerceris pava Kazenas, 1984a:142, ♀. Holotype: ♀, Kazakhstan: eastern Kazakhstan: mountains near Lake Zaysan (ZIN). – Kazenas, 2001b:57 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:113 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:149 (geographic distribution, collecting localities in Kazakhstan).

594. *pearstonensis* Cameron

Cerceris pearstonensis Cameron, 1905m:223, ♀. Lectotype: ♀, South Africa: Eastern Cape Province: Pearston (BMNH), designated by Empey, 1983:182. – Brauns, 1926:297 (in revision of Afrotropical *Cerceris*); Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:140 (in key to Afrotropical *Cerceris*), 1942:plate II fig. 22 (male genitalia); de Beaumont, 1967b:506 (South Africa: Cape Province); Empey, 1974:115 (taxonomic history); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Gess, 1980a:86 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown), 88 (prey: curculionids), 1981:21 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown; nesting in clayey soils, as *pearstonensis pearstonensis*); Empey, 1983:182 (bibliographic reference, type examined); S. Gess and F. Gess, 2003:134 (Lesotho, South Africa: visiting flowers of *Acacia karroo* Hayne and *Calpurnia glabrata* Brummitt, Fabaceae, as *pearstonensis pearstonensis*); Dollfuss, 2020a:102 (locality records from Kenya, Namibia, and South Africa).

Cerceris pearstonensis race *bantu* Brauns, 1926:299, ♀. Holotype: ♀, Zimbabwe: Sawmills (SAM). Synonymized with *Cerceris pearstonensis* by Empey, 1983:182. – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae). – **As *Cerceris pearstonensis bantu***: Empey, 1969a:318 (new status, in checklist of Afrotropical *Cerceris*), 1974:115 (description of ♂); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae).

Cerceris discrepans race *perplexa* Arnold, 1931:153, ♂. Holotype: ♂, Namibia: Okahandja (BMNH). Synonymized with *Cerceris pearstonensis* by Empey, 1983:183. – Arnold, 1931:148 (in key to Afrotropical *Cerceris*). – **As *Cerceris albigena perplexa***: Empey, 1969a:300 (new subpecific generic assignment, new status, in checklist of Afrotropical *Cerceris*). – **As *Cerceris discrepans perplexa***: Empey, 1972:47 (new status, redescription); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae).

595. *pectinata* Shestakov

Cerceris pectinata Shestakov, 1918b:5, ♀, ♂. Syntypes: China: Kansu: Tatung Mountains; "central Mongolia": Dundu Saykhan (may be in Mongolia or in Nei Mongol Province of China); Mongolia: Tsaorgol Khairkhan (ZIN). – R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae).

596. *pedetes* Kohl

Cerceris bicornuta F. Smith, 1856:455, ♀, junior primary homonym of *Cerceris bicornuta* Guérin-Méneville, 1844. Holotype or syntypes: ♀, North China: no specific locality (BMNH). – Schletterer, 1887:465 (original description copied), 487 (in checklist of world *Cerceris*); nec Sickmann, 1894:204 (as *Cerceris tuberculata* var. *bicornuta* = *Cerceris tuberculata evecta*). – **As *Cerceris tuberculata* var *bicornuta***: Dalla Torre, 1897:480 (new status, in catalog of world Hymenoptera).

Cerceris pedetes Kohl *in* Schletterer, 1887:449, ♀. Holotype or syntypes: ♀, Korea: no specific locality (Kraków). Synonymized with *Cerceris bicornuta* F. Smith, 1856 by R. Turner, 1912e:814. – Schletterer, 1887:498 (in checklist of world *Cerceris*); Dalla Torre, 1897:469 (in catalog of world Hymenoptera); Kohl, 1916:119 (specimens in O. Radoszkowski collection, Kraków); Tsuneki, 1961c:13, 25 (in key to *Cerceris* of northeastern Asia), 35 (characteristics of Japanese populations), 42 (Korea), 58 (China: Heilungkiang: Harbin); Togashi, 1962b:63 (Japan: Ishikawa Prefecture); Tsuneki, 1963h:54 (Japan: locality records); Tsuneki and Haneda, 1964:45 (Japan; description of ♂); Tsuneki, Iida, Hirai, and Sabi, 1964:60 (Japan: Aomori Prefecture: Towada); Handea, 1965:19 (Japan: Fukui Prefecture); Tsuneki, 1967e:2 (China: Heilungkiang); Itami, 1968a:16 (Japan: Yamagata Prefecture: foot of Mount Iide); Nambu, 1968b:27 (Japan: Saitama Prefecture), 1975b:73 (Japan: Saitama Prefecture); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Kazenas, 1979d:78 (Russia: Primorskiy Kray; diagnostic characters), 86 (in key to *Cerceris* of Russian Far East); Tsuneki, 1982b:18 (known from Korea); Paik, 1985:203 (in list of Sphecidae of Korea); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:474 (in key to Sphecidae of Russian Far East); Terayama and Tano, 2005:2, 4 (in key to Japanese *Cerceris*); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia), 2009b:149 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia), 2012c:448 (in catalog of Crabronidae of Russian Far East); J.-K. Kim, 2014:448 (in catalog of Sphecidae *sensu lato* of Korean Peninsula); X. Li, L. Ma, and Q. Li, 2013:590 (China: Nei Mongol: Helan Mountains); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia); Jacobs and Liebig, 2018:137 (Russia: Irkutsk Oblast': Sarma); Dollfuss, 2020b:121 (Laos: Hua Phan Province: Phou Pan Mountain near Ban Saleui village at 20°13'30"N 103°59'26"E).

Cerceris smithii Dalla Torre, 1897:199. Substitute name for *Cerceris bicornuta* F. Smith, 1856. – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Paik, 1985:203 (in list of Sphecidae of Korea).

597. *pekingensis* Tsuneki

Cerceris pekingensis Tsuneki, 1961c:46, ♀, ♂. Holotype: ♀, China: Peking, now Beijing (originally K. Tsuneki coll., now USNM). – Tsuneki, 1961c:8, 9, 14, 15 (in key to *Cerceris* of northeastern Asia), 1965d:5 (prey record summary: Hymenoptera), 33 (nesting habits), 1971m:16 (China: Peking, now Beijing); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Kazenas, 1979d:83, 86 (in key to *Cerceris* of Russian Far East); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:470, 476 (in key to Sphecidae of Russian Far East); Nuhn and Menke, 1994:26 (holotype transferred to USNM); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

ssp. *alini* Tsuneki

Cerceris pekingensis alini Tsuneki, 1961c:54, ♂. Holotype: ♂, China: Heilungkiang: Harbin (originally P. Verhoeff coll., now RMNH). – Tsuneki, 1961c:15 (in key to *Cerceris* of northeastern Asia), 1967e:2 (China: Heilungkiang); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Kazenas, 1979d:86 (in key to *Cerceris* of Russian Far East); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov,

1995:476 (in key to Sphecidae of Russian Far East); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

ssp. *mongolica* Tsuneki

Cerceris pekingensis mongolica Tsuneki, 1961c:64, ♀, ♂. Holotype: ♀, China: Nei Mongol: Apaka ca. 45°N 116°E (originally K. Tsuneki coll., now USNM). – Tsuneki, 1961c:9, 15 (in key to *Cerceris* of northeastern Asia), 1971m:16 (China: Nei Mongol: Apaka); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Kazenas, 1979d:83 (in key to *Cerceris* of Russian Far East); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:470 (in key to Sphecidae of Russian Far East, as *mongolicus*); Nuhn and Menke, 1994:26 (holotype transferred to USNM); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Dollfuss, 2021c:608 (Mongolia: many localities).

598. *penai* Fritz and Toro

Cerceris penai Fritz and Toro, 1969:143, ♀. Holotype: ♀, Chile: Aisén: Chile Chico (originally M. Fritz coll., now MACN). – Sielfeld, 1971:256 (in key to Chilean *Cerceris*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Sielfeld, 1980b:75 (in checklist of Chilean Sphecidae); Fritz, 1993:17 (holotype in M. Fritz coll., dated 1969); Amarante, 2002:61 (in catalog of Neotropical Crabronidae), 2005a:13 (correction to his 2002 catalog).

599. *pentadonta* Cameron

Cerceris pentadonta Cameron, 1890:262, ♀. Holotype or syntypes: ♀, India: West Bengal: Barrackpore (OXUM, lost? Empey, 1984:78). – Cameron, 1890b:250 (in checklist of Oriental Sphecidae); Bingham, 1897:301 (in key to *Cerceris* of British India), 312 (in revision of *Cerceris* of British India); Dalla Torre, 1897:469 (in catalog of world Hymenoptera); Rothney, 1903:106 (India: West Bengal: Barrackpore); R. Turner, 1912e:494 (in revision of *Cerceris* of Indian subcontinent); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Empey, 1984:78 (in checklist of Oriental *Cerceris* described by Cameron).

600. *perboscii* Guérin-Méneville

Cerceris perboscii Guérin-Méneville, 1844:444, sex not stated (as *Perboscii*, incorrect original capitalization). Holotype or syntypes: Mexico: Campeche: Bahía de Campeche (MSNG). –F. Smith, 1856:448 (in catalog of Hymenoptera in British Museum); Cresson, 1862:237 (in catalog of North American Hymenoptera), 1865c:132 (original description copied); Packard, 1866:64 (bibliographic reference); Schletterer, 1887:499 (in checklist of world *Cerceris*); Dalla Torre, 1897:469 (in catalog of world Hymenoptera); Guiglia, 1948b:179 (type material in Genova); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae, Brazil incorrectly given as origin); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

601. *perfida* de Saussure

Cerceris perfida de Saussure, 1890:pl. 19 fig. 10, ♀. Holotype: ♀, illustrated specimen, Madagascar: no specific locality (MHNG). – de Saussure, 1892:549 (Madagascar, redescription); Dalla Torre, 1897:469 (in catalog of world Hymenoptera); Arnold, 1945:23 (Madagascar; redescription); Leclercq, 1962b:212 (Madagascar: Rogez); Empey, 1969a:318 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Empey, 1983:183 (bibliographic reference, type examined); Hancock, Chahwanda, and Mhlanga, 1995:38 (specimen in Bulawayo Museum); Pulawski, 2003b:799 (in checklist of Malagasy Sphecidae); Madl, 2014a:1002 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records).

Cerceris perfida de Saussure, 1891:262, ♀. Objective synonym of *Cerceris perfida* de Saussure, 1890.

Cerceris spinifrons de Saussure, 1891:262, ♂. Holotype or syntypes: ♂, Madagascar: no specific locality (MHNG, type lost: Empey, 1983:183). Synonymized with *Cerceris perfida* by Arnold, 1945:23.

602. *perkinsi* R. Turner

Cerceris perkinsi R. Turner, 1910b:423, ♀. Holotype or syntypes: ♀, Australia: Queensland: Cairns (BMNH). – R. Turner, 1910b:420 (in key to *Cerceris* of Australia), 1912d:665 (in key to *Cerceris* of Australia), 669 (in revision of *Cerceris* of Australia); Tsuneki, 1968e:2 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Evans, 1982a:322 (in revision of Eastern Australian *Cerceris*); Cardale, 1985:301 (in catalog of Australian Sphecidae).

603. *perspicua* Holmberg

Cerceris perspicua Holmberg, 1903:475, ♀. Lectotype: ♀, Argentina: Buenos Aires: Las Conchas (MACN), designated by Fritz, 1968b:162 (Article 74.6). – Schrottky, 1913a:230 (Argentina: Buenos Aires); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

604. *petiolata* de Saussure

Cerceris petiolata de Saussure, 1891:261, ♂. Lectotype: ♂, Madagascar: Andreagoloka (MHNG), designated by Empey, 1983:183. – Dalla Torre, 1897:470 (in catalog of world Hymenoptera, as *petiola*); Arnold, 1945:38 (Madagascar; redescription); Empey, 1969a:318 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Empey, 1983:183 (bibliographic reference, type examined); Pulawski, 2003b:799 (in checklist of Malagasy Sphecidae); Madl, 2014a:1003 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records); Dollfuss, 2020a:102 (Madagascar: Antsiranana: Montagne d'Ambre National Park).

Cerceris petiolata de Saussure, 1892:555, ♂. Objective synonym of *Cerceris petiolata* de Saussure, 1891.

605. *pharaonum* Kohl

Cerceris pharaonum Kohl, 1898a:345, ♀. Holotype: ♀, Egypt: Turah near Cairo (NHMW). – Mochi, 1938:173 (in revision of Egyptian *Cerceris*); Giner Marí, 1941b:204 (in revision of North African *Cerceris*); de Beaumont, 1951f:378 (Egypt; reference to Mochi, 1939, female clypeus), 1956a:187 (Chad: Tibesti); de Beaumont and Bytinski-Salz, 1959:124 (Israel); Pulawski, 1964:73 (Egypt: Abu Rawash, Dahshur, Ghiza, Kom Osheim, Saqqara); de Beaumont, 1970c:7 (Iran: Balochistan); Empey, 1972:67 (holotype in NHMW); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Dollfuss, 1989:8 (holotype in NHMW); K. Schmidt, 2000:18 (in revision of Western Palearctic *Cerceris*); Roche, 2007a:135 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:79 (Iran: known from Sistan-o Baluchestan Province); Dollfuss, 22018:1154 (locality records from Egypt, Jordan, and Morocco); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:17 (Iran: known from Sistan-o Baluchestan Province); Dollfuss, 2021c:608 (locality records from Egypt, Israel, Jordan, Morocco, and United Arab Emirates); Malash, Edmardash, and Gadallah, 2022:31 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:294 (first record from Arabian Peninsula: United Arab Emirates: Mahafiz and Wadi Hayl).

606. *pharetrigera* Shestakov

Cerceris pharetrigera Shestakov, 1923:108, ♀. Holotype: ♀, China: Hopei Province: Tien-Tsin (ZIN). – Shestakov, 1923:103 (in key to subgenus *Apiraptrix*); Gussakovskij, 1934a:14 (China: southern Kansu Province); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

607. *picta* Dahlbom

Cerceris picta Dahlbom, 1844:222, ♀. Holotype: ♀, Senegal: no specific locality (Lund). – Dahlbom, 1845:500 (in key to world *Cerceris*); F. Smith, 1856:448 (in catalog of Hymenoptera in British Museum); Schletterer,

1887:499 (in checklist of world *Cerceris*); Dalla Torre, 1897:470 (in catalog of world Hymenoptera); Arnold, 1931:203 (original description translated into English); Empey, 1969a:318 (in checklist of Afrotropical *Cerceris*), 1971a:239 (redescription); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae, type locality may be erroneous); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); Empey, 1983:183 (bibliographic reference, type examined); Pagliano, 2014:110 (specimen in M. Spinola collection, Torino, is *Cerceris picta*).

608. *pictifacies* Brauns

Cerceris pictifacies Brauns, 1926:316, ♀. Holotype: ♀, South Africa: Eastern Cape Province: Uitenhage (TMP). – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:143, 147 (in key to Afrotropical *Cerceris*), 152 (description of ♂); Empey, 1969a:318 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Gess, 1980a:86 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown), 1981:21 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown; nesting in friable soils); Empey, 1983:183 (bibliographic reference, type examined); S. Gess and F. Gess, 2003:134 (South Africa: visiting flowers of *Maytenus linearis* (L. f.) Marais, Celastraceae); Dollfuss, 2020a:102 (locality records from Botswana, Kenya, and Namibia).

609. *pictiventris* Dahlbom

Cerceris pictiventris Dahlbom, 1845:498, ♀. Holotype or syntypes: ♀, Indonesia: Java: no specific locality (NRS). – F. Smith, 1856:454 (in catalog of Hymenoptera in British Museum), 1871a:370 (in catalog of Oriental Aculeata); Schletterer, 1887:499 (in checklist of world *Cerceris*); Cameron, 1890b:250 (in checklist of Oriental Sphecidae), 259 ("no doubt identical with *Cerceris novarae*"); Bingham, 1897:301 (in key to *Cerceris* of British India), 305 (in revision of *Cerceris* of British India); Dalla Torre, 1897:470 (in catalog of world Hymenoptera); Rothney, 1903:105 (India: West Bengal: Barrackpore); Alfken, 1904b:134 (Indonesia: Java: Bogor); Bingham, 1905:46 (Malaysia: Biserat); Maxwell-Lefroy, 1909:209 (India: common); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); S. Gupta, 1995:86 (India: Uttar Pradesh); Haneda, 2011:47 (Philippines: Palawan: Aborlan and near Brockes Point); Dollfuss, 2020b:122 (locality records from Indonesia, Malaysia, and Thailand). – **As *Cerceris pictiventris pictiventris***: van der Vecht, 1964:354 (in revisions of Javan species); Tsuneki, 1968f:31 (Thailand), 1974b:592 (Thailand, Malaysia); Sk. Yamane, 1983:87 (Indonesia: Islands of Krakatau); Empey, 1984:78 (synonymy with *Cerceris malayana*).

Cerceris malayana Cameron, 1903d:162, ♂. Lectotype: ♂, Malaysia: Sarawak (Borneo): Kuching (BMNH), designated by Empey, 1984:78. Synonymized with *Cerceris pictiventris* by van der Vecht, 1964:354. – Maidl, 1926:236 (description of ♀, Java); Empey, 1984:78 (in checklist of Oriental *Cerceris* described by Cameron).

Cerceris rybyensis thaiana Tsuneki, 1963c:26, ♀. Holotype: ♀, Thailand: Chiengmai (Sasayama Univ.). Synonymized with *Cerceris pictiventris* by Tsuneki, 1968f:31.

ssp. *bariana* Tsuneki

Cerceris pictiventris bariana Tsuneki, 1974b:592, ♂. Holotype: ♂, Indonesia: Island of Bali, misspelled as Bari: no specific locality (T. Tano coll., Fukui). – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae).

ssp. *formosicola* Strand

Cerceris novarae var. *formosicola* Strand, 1913b:161, ♀, ♂. Lectotype: ♂, Taiwan: Kankau (DEI), designated by Oehlke and Wudowenz, 1974:422. – Strand, 1927:253 (in list of species described by author); Iwata, 1939b:173 (nesting habits). – **As *Cerceris formosicola***: Giner Marí, 1943d:170 (new status, redescription). – **As *Cerceris pictiventris formosicola***: Tsuneki, 1968f:6 (new status, China: Szechuan: Chengtu), 21 (Taiwan), 1970c:2, 5 (in key to *Cerceris* of Taiwan), 6 (Taiwan, redescription); Haneda, 1971b:32 (Taiwan), 1972a:6 (Taiwan); Murota, 1973b:117 (Taiwan); R. Bohart and Menke, 1976:585 (in checklist of world

Sphecidae); Tsuneki, 1977c:22 (Taiwan), 1977j:263 (Taiwan), 1982d:14 (Taiwan); Wu and Zhou, 1996a:171 (in revision in Economic Insect Fauna of China); Porter, Stange, and Wang, 1999:14 (in checklist of Sphecidae of Taiwan); Q. Li and He, 2004:1113 (in hymenopterous fauna of Zhejiang Province, China); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

ssp. *immolator* F. Smith

Cerceris immolator F. Smith, 1863a:37, ♂. Holotype: ♂: Indonesia: Moluccas: Island of Waigiou, now Waigeo (OXUM). – F. Smith, 1863b:136 (known from Waigeo), 1871a:370 (in catalog of Oriental Aculeata); Schletterer, 1887:494 (in checklist of world *Cerceris*); Dalla Torre, 1897:463 (in catalog of world Hymenoptera). – **As *Cerceris pictiventris immolator***: van der Vecht, 1964:354 (new status); Krombein, 1969b:12 (in revision of Melanesian *Cerceris*), 1974a:464 (New Britain, Solomon Islands); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Empey, 1984:78 (synonymy with *Cerceris papuana*); Tsuneki, 1982a:55 (Bismarck Archipelago).

Cerceris immolatrix Schulz, 1906:195. Unjustified emendation of *Cerceris immolator* F. Smith, 1864.

Cerceris papuana Cameron, 1906b:57, ♀. Lectotype: ♀, New Guinea: Irian Jaya: Manokwari (BMNH), designated by Empey, 1984:79 (Article 74.6). Synonymized with *Cerceris pictiventris immolator* by van der Vecht, 1964:354. – Empey, 1984:79 (in checklist of Oriental *Cerceris* described by Cameron)

ssp. *kawasei* Tsuneki

Cerceris formosicola kawasei Tsuneki, 1963i:102, ♂. Holotype: ♂, Malaya: Parit Buntar (originally K. Tsuneki coll., now USNM). – R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Nuhn and Menke, 1994:25 (holotype transferred to USNM).

ssp. *novarae* de Saussure

Cerceris novarae de Saussure, 1867:92, ♀. Holotype or syntypes: ♀, Sri Lanka: no specific locality (NHMW). – Schletterer, 1887:498 (in checklist of world *Cerceris*); Cameron, 1890b:249 (India: Barrackpore, Bombay, Poona), 257 (redescription); Bingham, 1896a:445 (Sri Lanka: Pundaluoya), 1897:305 (as new synonym of *Cerceris pictiventris*); Dalla Torre, 1897:469 (in catalog of world Hymenoptera); R. Turner, 1912e:804 (in revision of *Cerceris* of Indian subcontinent). – **As *Cerceris pictiventris novarae***: van der Vecht, 1964:354 (new status); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Krombein, 1981:10 (prey: *Nomia krombeini* Hirashima, a bee), 26 (in revision of Sri Lanka Philanthinae); nec Tsuneki, 1984b:52 (= *Cerceris pictiventris philippinica*); Dollduss, 2020:122 (Laos: Khamouan Province: Ban Khouan Ngeun at 18°07'N 104°29'E).

Cerceris fervens F. Smith, 1873c:411, ♀, ♂. Syntypes: northern India, possibly Pakistan: no specific locality (BMNH). Tentatively synonymized with *Cerceris novarae* by Cameron, 1890:256, synonymized with *Cerceris pictiventris* by Bingham, 1897:305, and with *Cerceris novarae* by R. Turner, 1912e:804. – Magretti, 1884c:598 (Sudan: Sawakin); Schletterer, 1887:491 (in checklist of world *Cerceris*); Cameron, 1890b:249 (in checklist of Oriental Sphecidae); Bingham, 1908:357 (India: Mhow); Dalla Torre, 1897:460 (in catalog of world Hymenoptera); Giner Marí, 1945c:850 (India: Maharashtra: Khandala).

ssp. *philippinica* Tsuneki

As *Cerceris pictiventris novarae*: Tsuneki, 1984b:52 (Philippines), corrected to *Cerceris pictiventris philippinensis* by Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:65.

Cerceris pictiventris philippinica Tsuneki *in* Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:65, ♀, ♂. Holotype: ♂, Philippines: Luzon: Camarines Sur Province: Naga (depository originally not stated, now USNM). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:45, 49 (in key to *Cerceris* of Philippines); Nuhn and Menke, 1994:26 (holotype transferred to USNM).

ssp. *praedata* F. Smith

Cerceris praedata F. Smith, 1860b:126, ♀. Holotype or syntypes: ♀, Indonesia: Moluccas: Batjan: no specific locality (OXUM). – F. Smith, 1863b:136 (known from Batjan, as *praedator*), 1871a:370 (in catalog of Oriental Aculeata); Schletterer, 1887:499 (in checklist of world *Cerceris*); Dalla Torre, 1897:470 (in catalog of world Hymenoptera). – **As *Cerceris pictiventris praedata***: R. Bohart and Menke, 1976:585 (new status, in checklist of world Sphecidae).

610. *picturata* Taschenberg

Cerceris picturata Taschenberg, 1875:392, ♀. Syntypes: ♀, Brazil: no specific locality (Halle). – Schletterer, 1887:499 (in checklist of world *Cerceris*); Dalla Torre, 1897:470 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Fritz and Mariluis, 1976:96 (in key to *Cerceris spathulifera* species group), 110 (in revision of *Cerceris spathulifera* species group); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

611. *placida* Arnold

Cerceris placida Arnold, 1931:171, ♀, ♂. Lectotype: ♀, Nigeria: Kano (BMNH), designated by Empey, 1983:183. – Arnold, 1931:143, 148 (in key to Afrotropical *Cerceris*); Empey, 1969a:319 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Empey, 1983:183 (bibliographic reference, type examined).

612. *placita* Arnold

Cerceris placita Arnold, 1931:163, ♀. Holotype: ♀, Kenya: Karungu (BMNH). – Arnold, 1931:139 (in key to Afrotropical *Cerceris*); Empey, 1969a:319 (in checklist of Afrotropical *Cerceris* phecidae); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Empey, 1983:183 (bibliographic reference, type examined, as *placita placita*).

ssp. *arnoldiana* Guiglia

Cerceris placita var. *arnoldiana* Guiglia, 1939d:62, ♀. Holotype: ♀, Ethiopia: Sidamo: Arero (Genova). – **As *Cerceris placita arnoldiana***: R. Bohart and Menke, 1976:62 (new status, in checklist of world Sphecidae); Empey, 1983:183 (bibliographic reference, type examined, country of holotype given as Kenya, in error).

613. *pleurispina* de Beaumont

Cerceris pleurispina de Beaumont *in* de Beaumont and Bytinski-Salz, 1959:114, ♀, ♂. Holotype: ♀, Israel: Tiberias (Lausanne). – R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Ljubomirov and Yildirim, 2008:146 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Dollfuss, 2021c:608 (Israel: 2.2 km northwest of Mizpe Yeriho at 31°50'07"N 35°22'41"E); Kaplan and Yildirim, 2021:97 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:31 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

614. *podagrosa* Kohl

Cerceris podagrosa Kohl, 1906a:296, ♀, ♂. Lectotype: ♀, Yemen: Island of Socotra: Ras Shoab (NHMW), designated by Empey, 1969a:319. – Empey, 1973:4 (redescription); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Empey, 1983:183 (bibliographic reference, type examined); Dollfuss, 1989:8 (lectotype in NHMW); Gadallah, 2020b:64 (in list of aculeate wasps of Arabian Peninsula); Malash, Edmardash, and Gadallah, 2022:31 (in catalog of Middle Eastern and North African Philanthinae).

615. *pollens* Schletterer

Cerceris pollens Schletterer, 1887:461, ♀. Holotype or syntypes ♀: Brazil: Yponema (NHMW). – Schletterer, 1887:499 (in checklist of world *Cerceris*); Dalla Torre, 1897:470 (in catalog of world Hymenoptera); Fritz,

1959:69 (comparison with *Cerceris tridentifera*), 1970c:157 (synonymy); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Dollfuss, 1989:8 (type material in NHMW); Fritz, 1989:262 (in key to *Cerceris pollens* species group), 264 (in revision of *Cerceris pollens* species group); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

Paracerceris tridentifera Brèthes, 1913:127, ♂. Holotype: ♂, Argentina: Misiones: Bompland (MACN). Synonymized with *Cerceris pollens* by Fritz, 1970:157. – **As *Cerceris tridentifera***: Holmberg, 1922:355 (new generic assignment, type is teratological male; as *tridentifer*); Fritz, 1960:68 (description of ♀), 1968b:171 (study of holotype); Genise, 1990:27 (type material in MACN).

616. *polybioides* Pendlebury

Cerceris polybioides Pendlebury, 1927:39, ♂. Holotype: ♂, Malaysia: Selangor: Bukit Kutu (BMNH). – R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae).

617. *ponderosa* Brèthes

Cerceris ponderosa Brèthes, 1920a:409, ♂. Holotype: ♂, Brazil: Goyás: Jatahy (MNHN). – R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Genise, 1990:26 (depository of type material unknown); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

618. *potanini* Shestakov

Cerceris potanini Shestakov, 1918b:25, ♀. Holotype or syntypes: ♀, China: Nan-Shan-kou (ZIN). – Shestakov, 1923:102 (in key to subgenus *Apiraptrix*), 114 (bibliographic reference, distribution); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae).

619. *povolnyi* de Beaumont

Cerceris povolnyi de Beaumont, 1970a:396, ♀. Holotype: ♀, Afghanistan: Kataghan: Baghlan (Mus. Brno). – R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Dunford, Turbyville, and Leavengood, 2014:9 (listed as medically important in Afghanistan).

620. *praedura* R. Turner

Cerceris praedura R. Turner, 1908:472, ♀, ♂. Syntypes: Australia: Queensland: Mackay (BMNH). – R. Turner, 1910b:422 (in key to *Cerceris* of Australia), 1912d:666 (in key to *Cerceris* of Australia), 677 (in revision of *Cerceris* of Australia); Tsuneki, 1968e:7 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Evans, 1982a:372 (in revision of Eastern Australian *Cerceris*); Cardale, 1985:301 (in catalog of Australian Sphecidae); Evans and Hook, 1986a:297 (nesting habits), 1986b:1304 (prey: Apionidae, Bruchidae, Chrysomelidae, Dermestidae).

Cerceris koala Tsuneki, 1968e:17, ♀, ♂. Holotype: ♀, Australia: Queensland: Island of Prince of Wales (USNM). Synonymized with *Cerceris praedura* by Evans 1982a:372. – Tsuneki, 1968e:7 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Nuhn and Menke, 1994:26 (holotype in USNM).

621. *priesneri* Mochi

As *Cerceris pulchella*: Schletterer, 1887:391 (Egypt; description), corrected to *Cerceris priesneri* by de Beaumont, 1951b:177, 179.

Cerceris priesneri Mochi, 1938:179, ♀, ♂ (as *Priesneri*, incorrect original capitalization). Syntypes: Egypt: Abu Rawash near Cairo (USNM). – Giner Marí, 1941b:162 (in revision of North African *Cerceris*), 1947:20 (Spanish Sahara, now Morocco: Western Sahara); de Beaumont, 1950f:397 (Algeria Tadjerouna), 1951f:334 (Algeria, Egypt; diagnostic characters); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Guichard, 1980:230 (Oman); Menke *in* Mochi, 1987:43 (type material in USNM); Guichard, 1993a:154 (Arabian Peninsula); K. Schmidt, 2000:169 (in revision of Western Palearctic *Cerceris*); Gadallah and Assery, 2004a:234 (in catalog of Sphecidae of Saudi Arabia); Roche, 2007a:132 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae,

Sphecidae, and Crabronidae); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:358 (in new catalog of Sphecidae of Saudi Arabia); Dollfuss, 2018:1155 (Morocco: 20 km north of Foum-Zguid); Gadallah, 2020b:64 (in list of aculeate wasps of Arabian Peninsula); Ben Khedher, Yildirime, and Braham, 2020c:541 (first record from Tunisia: Kebili, Tataouine, and Tozeur provinces); Dollfuss, 2021c:608 (Morocco: Mohammedia, 5 km south of Tata; Oman and United Arab Emirates: several localities; Yemen: Wadi Aniz south-southwest of Sanaa at 14°60'N 44°09'E); Malash, Edmardash, and Gadallah, 2022:32 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:294 (first record from United Arab Emirates: locality records); Dollfuss, 2023a:409 (Oman).

622. *proboscidea* Holmberg

Cerceris proboscidea Holmberg, 1903:479, ♀. Syntypes: ♀, Argentina: Buenos Aires: Belgrano (MACN). – Jörgensen, 1912:288 (Argentina: Mendoza Province); Schrottky, 1913a:230 (Argentina: Buenos Aires); Fritz, 1968b:163 (syntypes in MACN); Fritz and Toro, 1969:148 (in revision of Chilean and Patagonian *Cerceris*); R. Bohart and Menke, 1976:585; Amarante, 2002:61 (in catalog of Neotropical Crabronidae); Dollfuss, 2021b:573 (Paraguay: San Pedro Province: 20 km east-southeast of Cororo).

623. *prominens* Banks

Cerceris prominens Banks, 1912:19, ♀. Lectotype: ♀, USA: Virginia: Falls Church (MCZ), designated by G. Ferguson, 1983b:231. – Brimley, 1938:448 (North Carolina: Marion, Raleigh, Wadesboro); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010 (in catalog of North American Hymenoptera); Evans, 1975a:264 (slow colonizer of new habitats); G. Ferguson, 1984c:491 (reverted to full species status, in annotated list of North American and Caribbean *Cerceris*); Buck, 2004:28 (in checklist of Crabronidae of Ontario, Canada), 31 (distribution within Ontario),74 (first record from Ontario: Ottawa); Buck, Paiero, and Marshall, 2006:46, 47 (in key to eastern Canadian *Cerceris*); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: first record from Canada: Alberta, Manitoba: no specific locality). – **As *Cerceris clypeata prominens***: Scullen, 1965b:474 (new status, in revision of North American *Cerceris*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Krombein, 1979b:1731 (in catalog of North American Hymenoptera); Ahlstrom, 1995:114 (in checklist of insects of North Carolina).

As *Cerceris clypeata*: Harrington, 1902:222 (Canada: Ontario: Ottawa), corrected to *Cerceris prominens* by Buck, 2004:76.

624. *protea* R. Turner

Cerceris protea R. Turner, 1912e:803, ♀, ♂. Lectotype: ♀, India: Gujarat: Deesa (BMNH), designated by Krombein, 1981:24. – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Krombein, 1981:23 (in revision of Sri Lanka Philanthinae); Dollfuss, 2020b:122 (India: Rajasthan: 60 km west of Sawai Madhopur at 26.11°N 75.48°E).

625. *proteles* Brauns

Cerceris proteles Brauns, 1926:290, ♀. Holotype: ♀, Zaire: Kiborno (TMP). – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:137 (in key to Afrotropical *Cerceris*), 149 (the ♂ described by Brauns, 1926:290, as *Cerceris severini* is likely to be *Cerceris proteles*); Empey, 1969a:319 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Empey, 1983:184 (bibliographic reference, type examined).

626. *pruinosa* Morice

Cerceris pruinosa Morice, 1897:303, ♀. Holotype: ♀, Egypt, Abbasiah near Cairo (OXUM). – Morice, 1911:83 (Algeria: Biskra; description of ♂); R. Turner, 1912e:794 (in revision of *Cerceris* of Indian subcontinent;

Pakistan: Balochistan: Quetta); Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); Kruger, 1929a:21 and 1929b:56 (Libya: Cyrenaica: Giarabub); Guiglia, 1934b:297 (Libya: bibliography and summary of locality records); Mochi, 1938:171 (in revision of Egyptian *Cerceris*); Guiglia, 1940a:283 (Libya: Gadames); Giner Marí, 1941b:194 (in revision of North African *Cerceris*; specimen from Tripoli = *Cerceris pulchella*); Honoré, 1941a:149 (*Cerceris chlorotica* Spinola, *C. waltlii* Spinola, and *C. flaviventris* Spinola are closely related); Guiglia, 1942b:230 (Libya); de Beaumont, 1950f:397 (Algeria), 1951f:327 (Algeria, Egypt; diagnostic characters); de Beaumont and Bytinski-Salz, 1959:121 (Israel); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); K. Schmidt, 2000:170 (in revision of Western Palearctic *Cerceris*); Roche, 2007a:132 (in catalog oEgyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Dollfuss, 2018:1155 (Egypt: Wadi Digla and Wadi Hof, Syria: Raqqa: Rasafah), 2021c:609 (Oman: 17 km west of Súr, Syria: Rasafah: Raaqa); Malash, Edmardash, and Gadallah, 2022:32 (in catalog of Middle Eastern and North African Philanthinae).

As *Cerceris ?straminea*: Morice, 1911:81 (Algeria), corrected to *Cerceris pruinosa* by de Beaumont, 1951f:327.

627. *przewalskii* Shestakov

Cerceris przewalskii Shestakov, 1918b:1, ♀. Holotype or syntypes: ♀, China: Alashan Mountains (also spelled Helan Shan): no specific locality (ZIN); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); X. Li, L. Ma, and Q. Li, 2013:591 (China: Nei Mongol: Helan Mountains).

628. *psamathe* Banks

Cerceris psamathe Banks, 1912:21, ♀. Lectotype: ♀, USA: Texas: Lee County: Fedor (MCZ), designated by G. Ferguson, 1983b:231 (Article 74.6). – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1004 (as new synonym of *Cerceris aequalis*); R. Bohart and Grissell, 1975:39 (as new synonym of *Cerceris aequalis*); R. Bohart and Menke, 1976:576 (as synonym of *Cerceris aequalis*); G. Ferguson, 1984c:492 (as valid species, in annotated list of North American and Caribbean *Cerceris*).

629. *pseudoanubis* Dollfuss

Cerceris pseudoanubis Dollfuss, 2023b:328, ♂. Holotype: ♂, Kenya: Rift Valley Provinc: Marich Pass Field Studies Centre at 1°32.2'N 35°27.7'E (CAS). Paratypes: Ethiopia, Tanzania.

630. *pseudocurvitarsis* Dollfuss

Cerceris pseudocurvitarsis Dollfuss, 2023b:327, ♀, ♂. Holotype: ♂, Burkina Faso: 1 km south of Gorom Gorom, 14°27.3'N 0°13.1'W (CAS).

631. *pseudoerythrocephala* von Schulthess

As *Cerceris erythrocephala*: Schletterer, 1887:393, corrected to *Cerceris pseudoerythrocephala* by von Schulthess, 1926a:150.

Cerceris pseudoerythrocephala von Schulthess, 1926a:150 (28 July), ♀. Holotype: ♀, Schletterer's 1887 specimen, origin unknown (NHMW, now lost?, see Empey, 1983:184). Paratype: 1 ♀, South Africa (MNHN). – R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Empey, 1983:184 (bibliographic reference, type not examined).

Cerceris bequaerti Brauns, 1926:328 , ♀ (as *Bequaerti*, incorrect original capitalization). Holotype: ♀, Zaire: Kilombo (TMP). Synonymized with *Cerceris pseudoerythrocephala* by Empey, 1983:184. – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:144 (in key to Afrotropical *Cerceris*); Empey, 1969a:302 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Empey, 1983:184 (bibliographic reference, unnecessary designation of lectotype).

Cerceris adulatrix Arnold, 1933b:53, ♀. Holotype: ♀, Zaire: Stanleyville (MRAC). Synonymized with *Cerceris bequaerti* by Empey, 1969a:302.

632. *pseudoflavescens* Shestakov

As *Cerceris sirdariensis*: Kohl, 1916:123 (redescription), corrected to *Cerceris pseudoflavescens* by Shestakov, 1926:240.

Cerceris pseudoflavescens Shestakov, 1926:240. Substitute name for *Cerceris syrdariensis* of Kohl, 1916. Holotype: ♂, Armenia or Azerbaidjan: Arax River valley, specimen described by Kohl, 1916:123 (NHMW). – R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Kazenas, 1984a:96 (in revision of *Cerceris* of Kazakhstan and Central Asia); Esenbekova and Kazenas, 2000:77 (southeastern Kazakhstan: near landing place Dubun' on Ili River); Kazenas, 2001b:57 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:112, 115 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:149 (geographic distribution, collecting localities in Kazakhstan), 2008a:107 (southeastern Kazakhstan: Ayak-Kalkan, 30 km east of village Chinghildy, Kapchagay, 35 km northwest of Kapchagay, near Dubun'), 2013b:500 (southeastern Kazakhstan: near landing place Dubun' on Ili River); Dollfuss, 2021c:609 (Kazakhstan: 10 km east of Koksary at 42°36'38"N 68°13'29"E); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

Cerceris arenaria schnitnikovi Kazenas, 1972b:138, ♀, ♂. Holotype: ♀, Kazakhstan: Alma-Ata Oblast': Ili (V. Kazenas coll., Alma Ata, Kazakhstan). Synonymized with *Cerceris pseudoflavescens* by Kazenas, 1984a:96. – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae).

633. *pseudosolitaria* Dollfuss

Cerceris pseudosolitaria Dollfuss, 2023b:331, ♂. Holotype: ♂, Tanzania: Morogoro Region: 128 road km northwest of Morogoro at 6°08.2'S 36°54.3'E (CAS).

634. *pseudovittata* Dollfuss

Cerceris pseudovittata Dollfuss, 2023a:414, ♂. Holotype: ♂, Oman: 7 km south of Mahda at 24.348ºN 55.978ºE (OÖLM).

635. *pseudotridentata* Maidl

Cerceris pseudotridentata Maidl, 1926:227, ♀. Holotype: ♀, Indonesia: Java: Nongkodjadjar (RMNH). – van der Vecht, 1964:359 (in revisions of Javan *Cerceris*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae).

636. *pseudowaltoni* Dollfuss

Cerceris pseudowaltoni Dollfuss, 2020a:109, ♀, ♂. Holotype: ♀, Kenya: Coast Province: Voi (OÖLM).

637. *ptah* Dollfuss

Cerceris ptah Dollfuss, 2023b:333, ♀. Holotype: ♀, Kenya: Eastern Province, near Ewaso Ngiro River opposite Archer's Post, 0°31.1N 37°40.4'E (CAS).

638. *pucilii* Radoszkowski

Cerceris pucilii Radoszkowski, 1869:106, ♀ (as *Pucilii*, incorrect original capitalization). Holotype or syntypes: ♀, Russia: Chita Oblast': Shilka (Kraków). – Schletterer, 1887:476 (original description copied), 499 (in checklist of world *Cerceris*); Ed. André, 1889:327 (in revision of Sphecidae of Europe and Algeria), 1891:30* (bibliographic references); Dalla Torre, 1897:470 (in catalog of world Hymenoptera); Kohl, 1916:120 (redescription); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Nemkov, 2006a:12 (locality records from Russian Far East and Siberia), 2007c:997 (in Appendix to Key to identification of Sphecidae of Far East of Russia), 2008b:26 (in catalog of Crabronidae of Asiatic Russia), 2009b:149 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia), 2012c:448 (in catalog of Crabronidae of Russian Far East); X. Li, L. Ma, and Q. Li, 2013:591 (China: Nei Mongol: Helan Mountains); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia).

Cerceris poutziloi W. Schulz, 1906:195 (as *Poutziloi*, incorrect original capitalization). Unjustified emendation of *Cerceris pucilii* Radoszkowski, 1869.

Cerceris nupta Shestakov, 1918b:23, ♀, ♂. Syntypes: China: Alashan: Din-yuan-in oasis and Kansu: Sinin-he River valley (ZIN). Synonymized with *Cerceris pucilii* by Nemkov, 2006a:12. – Shestakov, 1923:103, 105 (in key to subgenus *Apiraptrix*), 108 (bibliographic reference, distribution); Yasumatsu, 1942c:108 (China: Nei Mongol: Apaka at 44°N 114.96°E); Tsuneki, 1971l:426 (Mongolia; as *Cerceris nupta nupta*), 1971m:16 (China: Nei Mongol: Apaka); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Kazenas, 1979d:83, 87 (in key to *Cerceris* of Russian Far East); Nemkov, 1990c:85 (Russia: Chita Oblast'), 1992b:250 (Russia: Far East: Dim near Khingan Nature Reserve); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:471, 476 (in key to Sphecidae of Russian Far East); Dollfuss, 2021a:944 (Mongolia: South Gobi Aymag: Dalansangat, perhaps an undescribed species), 2021c:606 (China and Mongolia: many localities). – **As *Cerceris sabulosa nupta***: Tsuneki, 1961c:10, 15 (in key to *Cerceris* of northeastern Asia), 54 (new status, China: Heilungkiang: Harbin), 65 (China: Nei Mongol: Apaka ca. 45°N 116°E), 1965d:41 (nesting habits), 1967e:2 (China: Heilungkiang).

ssp. *echingol* Tsuneki

Cerceris nupta echingol Tsuneki, 1971l:426, ♀. Holotype: ♀, Mongolia: Bayanhongor Aymag: Ehingol oasis (TMB). – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae).

639. *pulchella* Klug

Cerceris pulchella Klug, 1845:[30], pl. 47, fig. 14, ♂. Holotype or syntypes: ♂, Egypt: Fayum (ZMHU). – F. Smith, 1856:445 (in catalog of Hymenoptera in British Museum); Walker, 1871:27 (Djibuti: Tajura, and Red Sea coast of Africa: Harkeko); Radoszkowski, 1876b:137 (Egypt); nec Schletterer, 1887:391 (= *Cerceris priesneri*); Schletterer, 1887:499 (in checklist of world *Cerceris*); Ed. André, 1889:315 (in revision of Sphecidae of Europe and Algeria); Schletterer, 1889a:903 (Savigny, 1817, pl. X, Fig. 12 may represent *pulchella*); Ed. André, 1891:29* (bibliographic references); Dalla Torre, 1897:470 (in catalog of world Hymenoptera); Bingham, 1898a:109 (Yemen: Aden); Innes Bey, 1912:113 (specimens recorded by Walker, 1871, now destroyed by dermestids, were collected at Harkeko and Tajura); R. Turner, 1912e:795 (in revision of *Cerceris* of Indian subcontinent; Pakistan: Balochistan: Quetta); Ramakrishna Aiyar, 1916:559 (in catalog of Indian aculeates described after Bingham, 1897); Storey, 1916:108 (Egypt: El Alag, Maadi); nec Mochi, 1938:175 (= *Cerceris cheops*); nec Giner Marí, 1941b:190, 1945b:362, 1945e:224, and 1947:19 (= *Cerceris cheops*); nec de Beaumont, 1950f:397 (= *Cerceris cheops*); de Beaumont, 1951b:176, 179 (interpretation of species), 1951f:325 (Egypt to Morocco; diagnostic characters), 1953g:121 (Morocco: Imiter), 1956a:186 (Libya); de Beaumont and Bytinski-Salz, 1959:119 (Israel); de Beaumont, 1960b:230 (Libya); Pulawski, 1964:73 (Egypt: Abu Rawash near Cairo, Dahshur); de Beaumont, 1966:212 (Egypt: Agami near Alexandria); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Guichard, 1980:230 (Oman); Al-Houty, 1989:158 (Kuwait: Erifjan); Guichard, 1993a:154 (Arabian Peninsula); Al-Houty, 1997:160 (Kuwait: no specific locality); D. Baker, 1997b:183 (in catalog of insects described by Klug, 1845); K. Schmidt, 2000:171 (in revision of Western Palearctic *Cerceris*); Gadallah and Assery, 2004a:234 (in catalog of Sphecidae of Saudi Arabia); Roche, 2007a:132 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae, as *Cerceris pulchella pulchella*), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae, as *Cerceris pulchella pulchella*); Sakenin, Samin, and Bagriacik, 2010:17 (Iran: Kerman: Kahnooj); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:358 (in new catalog of Sphecidae of Saudi Arabia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:79 (Iran: known from Kerman Province); Dollfuss, 2018:1155 (Egypt: Mansuriah); Madl, 2018:942 (in catalog of Hymenoptera of Djibouti); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:17 (Iran: known from Kerman Province); Ben Khedher, Yildirime, and Braham, 2020c:541 (Tunisia: previous records summarized, new locality records from Kairouan, Kasserine, Kebili, Mahdia, Sidi Bouzid, and Tataouine provinces); Gadallah, 2020b:65 (in list of aculeate wasps of Arabian Peninsula); Dollfuss,

2020a:103 (Mali: 180 km southwest of Gao), 2021a:944 (Jordan: Wadi Ramm), 2y 021c:609 (locality records from Algeria, Egypt, Jordan, Morocco, and United Arabian Emirates); Malash, Edmardash, and Gadallah, 2022:32 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:297 (United Arab Emirates: locality records); Madl, 2023:256 (in catalog of Crabronidae of Eritrea).

As *Cerceris annexa*: von Schulthess, 1926b:210 (Algeria, Tunisia), corrected to *Cerceris pulchella* by de Beaumont, 1951f:326.

Cerceris alfierii Mochi, 1938:181, ♀, ♂ (as *Alfierii*, incorrect original capitalization). Syntypes: Egypt: Mansurieh and Gebel Asfar (USNM). Synonymized with *Cerceris pulchella* by de Beaumont, 1951b:176. – Giner Marí, 1941b:159 (in revision of North African *Cerceris*), 1945b:362 (Western Sahara: El Aiun; as *alfieri*), 1947:19 (Western Sahara, as *alfieri*); de Beaumont, 1950f:397 (Algeria).

Cerceris alfierii var. *picta* Mochi, 1938:182, ♀, ♂, junior primary homonym of *Cerceris picta* Dahlbom, 1844. Syntypes: Egypt: Saqqara and Kerdassa (?USNM). Synonymized with *Cerceris pulchella* by de Beaumont, 1951b:179.

Cerceris pulchella scabra de Beaumont *in* de Beaumont and Bytinski-Salz, 1959:121, ♀, ♂ junior secondary homonym of *Cerceris scabra* (Fabricius, 1798) = *Cerceris fimbriata* (Rossi, 1790). Holotype: ♀, Israel: Ramat Gan (Lausanne). Synonymized with *Cericeris pulchella* by K. Schmidt, 2000:171.

Cerceris pulchella judaea de Beaumont, 1970b:38. Substitute name for *Cerceris scabra* de Beaumont, 1959. – R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae).

As *Cerceris pruinosa*: Giner Marí, 1941b:194 (specimen from Libya: Tripoli), corrected to *Cerceris pulchella* by de Beaumont, 1951f:325, 326.

640. *pulchra* Cameron

Cerceris pulchra Cameron, 1890:253, ♀, ♂. Lectotype: ♀, India: West Bengal: Barrackpore (OXUM), designated by Krombein, 1981:43. – Cameron, 1890b:250 (India: Barrackpore, Poona); Bingham, 1897:301 (in key to *Cerceris* of British India), 302 (in revision of *Cerceris* of British India); Dalla Torre, 1897:470 (in catalog of world Hymenoptera); Rothney, 1903:105 (India: West Bengal: Barrackpore); R. Turner, 1912e:808 (in revision of *Cerceris* of Indian subcontinent); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Krombein, 1981:42 (in revision of Sri Lanka Philanthinae; as *Cerceris pulchra pulchra*); Empey, 1984:79 (in checklist of Oriental *Cerceris* described by Cameron, as *Cerceris pulchra pulchra*).

ssp. *variaesimilis* Maidl

Cerceris variaesimilis Maidl, 1926:223, ♀. Holotype: ♀, Indonesia: Java: Samarang (Leiden). – van der Vecht, 1964:350, 357 (in revisions of Javan *Cerceris*); Tsuneki, 1968f:21 (China: Canton; Taiwan; Philippines), 1970c:3, 5 (in key to *Cerceris* of Taiwan), 21 (Taiwan, redescription), 1970g:14 (Japan: Kyushu: Kagoshima Prefecture: Mount Takakuma); Haneda, 1972a:6 (Taiwan); Tsuneki, 1974b:592 (Thailand); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Tsuneki, 1976b:36 (Philippines), 1977j:263 (Taiwan: Kagi), 1982g:65 (known from Ryukyu archipelago); Nagase, 1982, Hymen. Comm., 14:67 (Japan); Tsuneki, 1984b:54 (Philippines); Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:45, 48 (in key to *Cerceris* of Philippines), 63 (Philippines); Sk. Yamane and Tano, 1995:16 (Japan: Ryukyu Islands); Wu and Zhou, 1996a:173 (in revision in Economic Insect Fauna of China); Porter, Stange, and Wang, 1999:14 (in checklist of Sphecidae of Taiwan); Yamane, Ikudome, and Terayama, 1999:547 (Japan: in Identification Guide to Crabronidae of Nansei = Ryukyu Islands); Wu, Zhou, Q. Li, and Yang, 2003:817 (China: Fujian Province); Terayama and Tano, 2005:3, 5 (in key to Japanese *Cerceris*); Dollfuss, 2021c:609 (Japan: Kagoshima Prefecture: Kanoya). – **As *Cerceris pulchra variaesimilis***: Krombein, 1981:43 (new status); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

Cerceris spinicollis Giner Marí, 1942b:126, ♀, ♂. Syntypes: China: Shaowu and Kwangtseh (Mus. A. Koenig, Bonn). Synonymized with *Cerceris variaesimilis* by Tsuneki, 1968f:21. – Tsuneki, 1968b:107 (Japan: Ryukyu Islands: Island of Okinawa, island of Miyako); Lampe, Rohwedder, Ingrisch, and Rach, 2010:126 (type material in Mus. A. Koenig, Bonn).

Cerceris fukai basiferruginea Tsuneki, 1963c:27, ♀, ♂. Holotype: ♀, Thailand: Lampoon (Sasayama Univ.). Synonymized with *Cerceris variaesimilis* by Tsuneki, 1968f:21.

641. *pygmaea* de Saussure (preoccupied)

Cerceris pygmaea de Saussure, 1867:91, ♂, junior secondary homonym of *Cerceris pygmaea* (Thunberg, 1815). Holotype or syntypes: ♂, China: Shanghai (NHMW or MHNG). – Schletterer, 1887:499 (in checklist of world *Cerceris*); Dalla Torre, 1897:470 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

642. *quadricincta* (Panzer)

Philanthus quadricinctus Panzer, 1799, Heft 63:14, [♀]. Holotype or syntypes: Austria: Viennae = Wien (depository?). – Panzer, 1806:175 (in critical review of his earlier work, is probably a variation of *Philanthus quadrifasciatus*); Jurine, 1807:202 (in checklist of European *Philanthus*); Peets, 1909-1911:68 (*Philanthus quadricinctus* of Panzer = *Cerceris quadricincta*); Haris, 2016:11 (in list of species described by G. Panzer from Carpathian Basin). – **As *Cerceris quadricincta***: Latreille, [1805]:316 (new generic assignment, redescription); Vander Linden, 1829:116 (bibliographic references, redescription, Belgium: Bruxelles; France: Paris; Italy); Shuckard, 1837a:243 (in revision of British Aculeata); Herrich-Schaeffer, 1840:296 (Germany: Bayern: Regensburg area); Dahlbom, 1844:212 (in revision of Sphecidae and Pompilidae), 1845:500 (in key to world *Cerceris*), determination corrected to *Cerceris truncatula* by Thomson, 1870:248; Lepeletier de Saint Fargeau, 1845:23 (in revision of world Hymenoptera); Eversmann, 1849:407 (Russia: Ural Mountains foothills); Lucas, 1849:254 (Algeria: Alger, Bône, now Annaba, Constantine, La Calle, now El Kala, Oran); Wesmael, 1852:265 (Belgium; additional description); Fabre, 1856a:137 (France: Vaucluse: Avignon area), 1856b:184 (list of prey); Schenck, 1857:153 (in revision of fossorial wasps of Germany); Taschenberg, 1858:81 (in key to Sphecidae of Germany), 1866:190 (in revision of Hymenoptera of Germany); A. Costa, 1867c:71 (in revision of Italian Sphecidae, as *quadricincta* Latreille); Kirchner, 1867:221 (in catalog of European Hymenoptera); Schenck, 1867a:354 (known from Germany); Wierzejski, 1868:117 (Ukraine: Podole Region); A. Costa, 1869b:102 (in revision of Italian Sphecidae); Radoszkowski, 1870:103 (synonyms listed); A. Costa, 1872a:36 (Italy: in revision of Sphecidae of Kingdom of Naples); P. Ivanov, 1872:152 (Ukraine: Khar'kiv Oblast': Kupyansk area); Dours, 1874:144 (in catalog of Hymenoptera of France); Wierzejski, 1874:260 (Ukraine: Podole Region: Mielnica, Sinków, Skała); Marquet, 1875:204 (France: Haute-Garonne: Toulouse); Radoszkowski, 1877:62 (Uzbekistan); Kohl, 1880:160 (Italy: Trentino–Alto Adige); Marquet, 1881:190 (southern France, preying on Coleoptera); Yaroshevskiy, 1881:124 (Ukraine: Khar'kiv Oblast': Kupyansk); A. Costa, 1882b:23 (Italy: Sardegna), 1883:57 (Italy: Sardegna, as *quadricincta* Latreille); Kohl, 1883e:664 (Switzerland); De Stefani Perez, 1886:171 (Italy: Sicilia: monte di Renda near Palermo); Schletterer, 1887:426 (in revision of Palearctic *Cerceris*), 500 (in checklist of world *Cerceris*); Ed. André, 1889:294, 296 (in revision of Sphecidae of Europe and Algeria), 24* (bibliographic references); Schletterer, 1889a:901 (Croatia: Fiume, now Rijeka); Steck, 1890:169, 171 (in key to *Cerceris* of Switzerland); A. Costa, 1893b:8 (Tunisia); Kohl, 1893a:34 (Austria: Niederösterreich, as *4-cincta*); F. Morawitz, 1893b:420 (Tajikistan: Anzob); Baldini, 1894:56 (Italy: Modena area); De Stefani Perez, 1894:216 (Italy: Sicilia); Medina, 1894b:262 (Spain); de Stefani Perez, 1895:227 (in catalog of Sicilian Hymenoptera); Meunier, 1896:272 (Belgium: Bruxelles area); E. Saunders, 1896:119 (in revision of British Aculeata); Acloque, 1897:81 (in Sphecid Fauna of France and Algeria); Borries, 1897:53 (reference to Fabre, 1886:184); Dalla Torre, 1897:471 (in catalog of world Hymenoptera); Mocsáry,

1897:80 (Kingdom of Hungary, some localities are in today's Croatia, Romania, and Slovakia); Flamary, 1898:38 (France: Saône-et-Loire: Mâcon area); Sladen, 1900:265 (Great Britain: Kent: Saint Margaret's Bay, Tilmanstone); Ferton, 1901a:109 (list of prey); de Cobelli, 1903:110 (Italy: Province of Trentino: Caldonazzo); Antiga and Bofill, 1904:20 (Spain: Cataluña Province); E. Saunders, 1904c:607 (Spain: Mayorca), 638 (Spain); Ferton, 1905:65 (France: Corse: Bonifacio; prey, position of egg); Dusmet y Alonso, 1906:7 (Spain); Móczár and Henter, 1907:205 (Romania: Caraş-Severin: Mehadia); Schmiedeknecht, 1907:241, 243 (in key to Hymenoptera of Central Europe); de Gaulle, 1908:104 (in catalog of French Hymenoptera, as *4-cincta*); Ferton, 1910:154 (sand closure of nest cell); Mantero, 1911:72 (Italy: Sardegna: Isola dell'Asinara); Morice, 1911:91 (Algeria); Zavattari, 1912:3 (Italy: Sardegna: Pantaleo and Isola di Antiogus); Smits van Burgst, 1913a:319 and 1913b:6 (Tunisia: no specific locality); Mercet, 1914:445 (recorded from Spain); Dusmet y Alonso, 1915:87 (Spain: Aragón); Kohl, 1916:120 (specimens in O. Radoszkowski collection, Kraków); Shestakov, 1916:235 (Transcaucasia: several localities), 1917b:410 (Finland), 1918a:147 (Transcaspia); Dubois, 1919:96 (Belgium: Bruxelles: Uccle); O. Meyer, 1919:156 (Germany: Posen Province, now Poland: Poznań Region); Fahringer and Friese, 1921:160 (Turkey: Erzurum: Iyarbashi in Amanus Mountains = Gavur Dağlari, prey: *Lixus ascanii* L., a curculionid, as *quadricincta* Villers); Dubois, 1922:210, 212 (in key to Belgian Sphecidae); Fahringer, 1922:178 (Turkey: Floria near Istanbul); Maidl, 1922:68 (Albania); Berland, 1925d:60 (in Sphecid Fauna of France); Coulon, 1925:116 (France, list of prey, as *quadricincta* Villers); Bouwman, 1926:280 (in list of Sphecidae of Netherlands); Chevalier, 1926c:69 (nesting habits); von Schulthess, 1926b:211 (Tunisia); Chevalier, 1927:102 (curculionid prey); Dusmet y Alonso, 1927:25 (Spain: Cataluña: Montserrat); Shestakov, 1927a:17 (Russia: Orenburg Oblast'); Bouwman, 1928a:361 (in revision of Sphecidae of Netherlands); Vorontsovskiy, 1928:44 (Russia: vicinity of Orenburg); Grandi, 1930:340 (Italy: Toscana: Maremma); Hamm and Richards, 1930:114 (summary of nesting habits); Schmiedeknecht, 1930:702, 704 (in keys to Hymenoptera of North and Central Europe); Bischoff, 1931:9 (Spain); Bondroit, 1932:38 (Belgium: recorded from Bruxelles area by Vander Linden and Wesmael); Bischoff, 1933:5 (Spain, Morocco); Shestakov *in* Nadig, 1933:98 (Morocco); Giner Marí, 1934:131 (Spain); Grandi, 1934:130 (Italy: Lazio: Acilia, Sardegna: Cagliari, and Toscana: San Vincenzo); Nadig, 1934:33 (Italy: Sardegna: Aritzo, Cagliari); Bernard, 1935:63 (France: Var: Fréjus area); Grandi, 1935a:110 (Italy); Richards, 1935a:169 (correct name for species is *Cerceris fasciata*); Vergne, 1935:117 (France: Auvergne: Billom, as *quadricincta* Villers); Crèvecoeur and Maréchal, 1936:254 (in catalog of Belgian Hymenoptera); Richards, 1936a:171 (*Cerceris quadricincta* Panzer is valid name for species), 1937b:108 (in checklist of British aculeates); Kolosov, 1937:219 (Ukraine: Kupyansk); Zavadil, Šustera, and Bat'a, 1937:211 (in catalog of Sphecidae of Czechoslovakia); Guiglia, 1938b:8 (Italy: Sardegna); Molitor, 1938:442 (color recognition); Deleurance, 1941:278 (France: Camargue; prey: *Coniatus tamarisci*, a curculionid); Giner Marí, 1941a:66 (in revision of Spanish *Cerceris*), 1941b:232 (in revision of North African *Cerceris*); Schneid, 1941:1049 (Germany: Bayern: Bamberg area); Blüthgen, 1942:10 (Germany: Sachsen: known from Kyffhäuser but not from Saal Valley); Guiglia, 1942a:56 (Greece: Island of Rhodes: Villanova); Giner Marí, 1943a:104 (in Sphecid Fauna of Spain); Guiglia, 1943b:69 (Albania: Kopliku); Giordani Soika, 1944:12 (Italy: Sicilia: Messina, as *4-cincta*); Guiglia, 1944a:146 (Cyprus: Cherkes, Limassol, Zakaki), 1944b:14 (Italy); Balthasar, 1945:115 (Czech Republic: southeastern Morava Region); Giner Marí, 1945a:248 (Greece: Island of Rhodes), 1945b:359 (Morocco: Ain Zorah), 1945e:23 (Spanish Sahara); Deleurance, 1946b:67 (France: Bouche-du-Rhône: Camargue: Bois des Rièges, as *quadricincta* Villers); Balthasar, 1948:143 (Slovakia: Kovačov, Parkan); Guiglia, 1948c:201 (Italy: Sardegna: Cagliari); Šnoflák *in* Zavadil and Šnoflák, 1948:92, 97 (in key to Sphecidae of Czechoslovakia); de Andrade, 1949:11 (Portugal); Aerts, 1950a:51 (Germany: Nordrhein-Westfalen: Rheidter Wertchens near Köln); Balthasar, 1950:35 (Czechoslovakia: known from 7 localities); Cavro, 1950:36 (France: Département du Nord); de Beaumont, 1950f:397 (Algeria, Morocco); Georgel, 1950:63 (France: Seine-et-Oise: Sucy-en-Brie); Pittioni, 1950:22 (Cyprus); de Beaumont,

1951f:363 (Mediterranean North Africa); Caruel, 1951:100 (France: Marne Department); Scobiola, 1951:273 (first record from Romania: Argeşului, Budeşti, Bucureşti, Dărăşti); de Beaumont, 1952a:60 (in revision of *Cerceris* of France), 1953g:123 (Morocco), 1954e:87 (Italy); Grandi, 1954:237 (Italy); Hertzog, 1954:100 (France: Bouches-du-Rhône: Camargue); Aerts, 1955:64 (Germany: Rheinland); Steiner, 1955:137 (France: Dordogne); Vogrin, 1955:33 (Yugoslavia); Bajári, 1956a:83 (in catalog of Hungarian *Cerceris*, with list of localities); Bytinski-Salz, 1956:225 (Turkey: Kemer, Seki); Ceballos, 1956:370 (in catalog of Hymenoptera of Spain); Stadler and Glässel, 1956:111 (Germany: Bayern: Romberg Nature Reserve); Bajári, 1957a:38, 45 (in key to Hungarian Sphecidae); de Beaumont, 1957b:133 (northern Iran); Grandi, 1957:388 (Italy); Zirngiebl, 1957:184 (Germany: Rheinland-Pfalz: Birkenheide); Benno, 1958b:11 (in review of Dutch Sphecidae); de Beaumont, 1958d:285 (Cyprus), 1959a:15 (Italy); Compte Sart, 1959:132 (Spain: Mayorca); Diniz, 1959:28 (Portugal: six localities); Grandi, 1959b:287 (Italy: Livorno: Quercinella); Suárez, 1959:54 (Spain: Almería Province); Wolf, 1959b:31 (Germany: Nassau); de Beaumont, 1960a:8 (Greece: Island of Rhodes), 1960b:233 (Libya; color variation), 1960c:171 (Afghanistan), Noskiewicz and Puławski, 1960:77, 80 (in key to Polish Sphecidae); de Beaumont, 1961c:46 (Greece: Island of Crete), 1961e:3 (Iraq), 1962b:21 (Spain); Grandi, 1962:98 (Italy); Wengris, 1962:204 (Lithuania: Vilnius: Karolinki, now Karoliniškės eldership); Felton, 1963:179 (Great Britain: Kent County); Ceballos, 1964:89 (in supplement to catalog of Spanish Sphecidae); de Beaumont, 1964c:40 (in Sphecid Fauna of Switzerland), 1965a:21 (Greece); Isensee, Lesemann, and Röseler, 1965:612 (Spain: Gerona: no specific locality); Roberti, Frilli, and Pizzaghi, 1965:109 (Italy: Emilia-Romagna: Bobbio in Piacenza Province); Tsuneki, 1965d:3 (prey record summary: Curculionidae); Diniz, 1966:7 (Portugal: fourteen localities); Scobiola-Palade, 1966b:391 (Romania: Tulcea District: Chilia Veche); Balthasar, Hrubant, and Hrubant, 1967:174 (Bulgaria: Slanchev Bryag near Nessebar); Benno, 1967:35 (in checklist of Sphecidae of Netherlands); de Beaumont, 1967a:286 (Turkey); Scobiola-Palade, 1967b:41 (Romania); Leclercq, 1968d:109 (Belgium: city of Liège); Parré, 1968:122 (Germany: Sachsen-Anhalt: Staβfurt); Scobiola-Palade, 1968b:142 (Romania: Island of Letea in delta of Danube), 1968c:383 (Romania: Bucureşti, Budeşti, Dărăşti, Islaz, Periş); Lefeber, 1969c:233 (Netherlands: Sint-Pietersberg = Montagne Saint Pierre); Romanova, 1969:133 (Russia: North Caucasus); Zangheri, 1969:1701 (Italy: in catalog of flora and fauna of Romagna Region); Oehlke, 1970:683 (Democratic Germany); Schmidt, 1971b:26 (Germany: Rheinland-Pfalz: Gonsenheimer Wald); Scobiola-Palade, 1971:205 (in review of *Cerceris* of Romania); Valetta, 1971:46 (Malta); Balthasar, 1972:412 (in Sphecid Fauna of Czechoslovakia); Kazenas, 1972b:129 (Kazakhstan); Scobiola-Palade, 1972b:252 (Romania); Erlandsson, 1974:62 (Italy, Malta, Spain); Lomholdt, 1975c:178 (in Sphecid Fauna of Fennoscandia and Denmark); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Georghiou, 1977:189 (Cyprus); Kolesnikov, 1977:317 (Russia: Bryansk Oblast'); Guichard, 1978:270 (Greece); Kazenas, 1978b:62, 65 (in key to Sphecidae of Kazakhstan and Central Asia); Leclercq, 1978b:map 1195 (distribution in Belgium); Pulawski, 1978:194, 195 (in key to Sphecidae of European part of USSR); Benedek, 1979:228 (Hungary: Bakony Hills); Kazenas, 1979d:84, 89 (in key to *Cerceris* of Russian Far East); Lefeber, 1979:11 (in checklist of Sphecidae of Netherlands), 26 (Netherlands: distribution map); Schmidt, 1979b:302 (Germany: Baden-Württemberg); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino, as *4-cincta*); Pagliano, 1980:125 (Italy: Molise, Piemonte); Richards, 1980:85 (in key to Sphecidae of British Isles); van der Zanden, 1981:130 (Netherlands: Markelo); Leclercq, 1982a:125 (Belgium: Liège); Gayubo, 1982b:56 (Spain: Ávila, Cáceres, and Salamanca provinces), 1982e:110 (Spain: Cádiz Province); Dollfuss, 1983b:25 (in catalog of Sphecidae of Austria); Gayubo, 1983a:125 (prey: *Ceutorrhynchus* sp., a curculionid), 1983e:238 (Spain: Salamanca Province); Schmidt and Westrich, 1983:125 (Greece); Gayubo and Tormos, 1984:25 (Spain: Valencia); Jacob-Remacle, 1984:260 (Belgium: urban center of Liège); Islamov and Kazenas, 1983:45 (Uzbekistan; nest and prey: Halticinae); Chevin and Silvestre de Sacy, 1984:10 (France: Yvelines Department); Gayubo, 1984c:384 (Portugal: El Algarve Province); Kazenas, 1984a:106 (in revision of *Cerceris* of Kazakhstan

and Central Asia); Lefeber, 1984:28 (Netherlands: Maastricht); Chevin and Chevin, 1985:39 (France: Aude); Gayubo, 1985c:172 (Spain: Toledo: Corchuela); Józan, 1985b:62 (Hungary: Pécs area), 72 (map of distribution in Hungary), 82 (floral records), 85 (ecological and zoogeographic characteristics); Lefeber, 1985:87 (Netherlands: southern Limburg); Scobiola-Palade, 1985:96 (Romania: delta of Danube); Gayubo, 1986a:67 (Spain: Ciudad Real Province), 1986b:41 (Spain: Andalucía Province); Gayubo and Heras, 1986:73 (Spain: Segovia Province; floral records); Gayubo and Sanza, 1986:88 (Spain: Burgos); Islamov, 1986:519 (Uzbekistan: Surkhandarya and Tashkent Oblast's); Józan, 1986:375 (Hungary: Kiskunság National Park); Dollfuss, 1987:25 (Austria); Pagliano, 1987:164 and 167 (in key to *Cerceris* of Italy); Schmidt and Westrich, 1987:358 (Germany: Mainz area); Scobiola-Palade, 1987:64 (Romania: Dobrogea, as *quadricinctus*); Tormos and Jiménez, 1987a:128 (Spain: Valencia); Asís and Jiménez, 1988:276 (Spain: Castellón Province); Dollfuss, 1988:20, 31 (Austria: Bisamberg near Vienna; Niederösterreich: Oberweiden); Pagliano, 1988:149 (in revision of Italian Philanthinae); Wolf, 1988b:143 (Germany: Rheinland-Westfalen); Józan, 1989:102 (Hungary: Tihany Nature Reserve); Pádr *in* Šedivy, 1989a:166 (in checklist of Czechoslovakian Sphecidae); Gayubo, Asís, and Tormos, 1990b:80 (Spain); Jacobs and Oehlke, 1990:122 (not collected in Democratic Germany after 1960), 217 (bibliographic reference to latest records from Democratic Germany); Pagliano, 1990:98 (in catalog of Italian Sphecidae); Rohe, 1990:1048 (Germany: Rheinland-Pfalz: Lenneberg forest); Day, 1991:xiii (summary of European Endangered Hymenoptera Lists); Dollfuss, 1991:221 (in key to Sphecidae of North and Central Europe); Gayubo, Borsato, and Osella, 1991:421 (Italy); Gayubo and Torres, 1991:Table I (Spain: Salamanca; effects of urban pressure); Schembri, 1991:178 (Malta); Budrys, 1992:29 (in list of Sphecidae of Lithuania); Gayubo, Borsato, and Osella, 1992:292 (Turkey); Józan, 1992a:230 (Hungary: Béda-Karapancsa Protected Area), 1992c:290 (Hungary: Zselic Hills); K. Weber, 1992:86 (Germany: Bayern: Bamberg District); Sorg and Wolf, 1993:59 (Germany: Rheinland-Westfalen: Nature Reserve Die Spey); Blagoveshchenskaya, 1994:92 (Russia: Ul'yanovsk Oblast'); Dollfuss, 1994:99 (endangered in Austria); Gayubo and Borsato, 1994:222 (Italy: Veneto, Toscana); Theunert, 1994a:47 (Germany: Niedersachsen: Braunschweig, Peine, and Wense), 1994c:33 (Germany: summary of records from Niedersachsen and Bremen); Tormos, Asís, and Gayubo, 1994:190, 226 (Spain: Albacete Province); Wickl and Wickl, 1994:193 (Germany: Bayern: Oberpfalz: Haidweiher); Gorobchishin, 1995:19 (Ukraine: Kanev Nature Reserve); Jansen and Kaluza, 1995:7 (Germany: endangered in Sachsen); Józan, 1995:105 (Hungary: projected Duna-Dráva National Park); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Pagliano and Scaramozzino, 1995:729 (Italy: Island of Lampedusa); Schmid-Egger, Risch, and Niehuis, 1995:168 (Germany: summary of records from Rheinland-Pfalz); Yeo and Corbet, 1995:39, 40p (in field guide to British solitary wasps); Gorobchishin, 1996:53 (Ukraine: Kanev Nature Reserve); Harvey and Plant, 1996:80 (Great Britain: summary of records from Essex); Jacobi, 1996:221 (method of hunting, prey); Jakubzik, 1996:251 (Germany: Köln); Minoranskiy and Shkuratov, 1996:81 (Russia: Rostov Oblast'); Schmid-Egger, Schmidt, and Doczkal, 1996:376 (Germany: Baden-Württemberg: endangered); Voblenko, Gorobchishin, and Nesterov, 1996:15 (Ukraine: Polesye Region); Woydak, 1996:100 (Germany: Westfalen: summary of distribution and nesting habits); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:351 (in Sphecid Fauna of Western Europe); Celary, 1997:60 (in checklist of Animals of Poland); Else *in* R. Edwards, 1997:87 (Great Britain and Ireland: distribution, status, habitat, flight period, nesting habits, map of distribution in Great Britain by Archer and Roberts); Petit, 1997:351 (Belgium: Liège Province: Lanaye: colonization of new habitat); Schmidt and Schmid-Egger, 1997:7 (in checklist of German Sphecidae); F. Burger, Saure, and Oehlke, 1998:27 (Germany: in list of Sphecidae of Brandenburg), 33 (endangered); Dollfuss, Gusenleitner, and Bregant, 1998:525 (Austria: summary of collecting records from Burgenland); Gorobchishin, 1998a:50 (Ukraine: Kiev and surroundings); Jakubzik, Schlüter, and Cölln, 1998:1181, 1183 (Germany: Rheinland-Pfalz); Józan, 1998:312 (Hungary: Duna-Dráva National Park); Lefeber, 1998:182 (Netherlands: Limburg: Sint-Pietersberg near Maastricht at 50°50'N 5°41'E); Petit, 1998a:109 (Belgium: Bassenge, visiting flowers

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cantour); Theunert, 2011a:18 (Germany: in checklist of aculeates of Niedersachsen including city of Bremen); Tischendorf, Frommer, Flügel et al., 2011:112 (Germany: Hessen: not endangered); Amolin, 2012:28 (Ukraine: Donetsk); Boillat, 2012:228 (Switzerland: in checklist of insects of Canton de Genève); Burguet *in* Durand and Burguet, 2012:2 (France: Puy-de-Dôme: sands Girauts-Faures in Orléat commune); Cölln, Jakubzik, and Kinkler, 2012:24 (Germany: Nordrhein-Westfalen: Leverkusen); Gerth, Mayer, Hering, Wolf, Schaffer, and Bleidorn, 2012:9 (Germany: Sachsen: Bienitz in Leipzig); Japoshvili and Ljubomirov, 2012:96 (Turkey: Isparta: Gölcük Nature Park 8 km southwest of city of Isparta); Larivière, Chapelin-Viscardi, and Maillet-Mezeray, 2012:296 (France: Essonne: Boigneville); Saure, 2012b:228 (Germany: Berlin-Spandau: Spandauer Forst); Shlyakhtenok, 2012a:171 (Russia: Krasnaya Polana near Sochi: collected in private plots); Strumia, Pagliano, and Gayubo, 2012:56 (Italy: Toscana: Riserva di San Rossore); Yildirim, 2012:78 (Turkey: Erzincan, Erzurum, and Iğdır provinces); Kazenas, 2013a:149 (color photograph of adult wasp, short information on geographic distribution and nesting habits); Pankov, 2013:231 (Russia: Ivanovo Oblast'); A. Scholz and Liebig, 2013:16 (Germany: Sachsen: in list of Sphecidae *sensu lato*); Vieira, Oliveira, Brewster, and Gayubo, 2013:20 (Portugal: Douro International Natural Park and Serras de Aire e Candeeiros Natural Park); Zettel, Zimmermann, and Wiesbauer, 2013:13 (Austria: Wien: Donaupark), 17 (recent records from Austria, preying on Curculionidae); Baldock, 2014:360 (Spain: Island of Mallorca); Dunford, Turbyville, and Leavengood, 2014:9 (listed as medically important in Afghanistan); Ebrahimi, 2014:46 (Iran: Alborz and Āzarbāijān-e Sharghi provinces); U. Frommer, 2014:26 (Germany: Hessen: Lorch); Kazenas, 2014a:139 (Kazakhstan: Karatau Mountain Range); Pagliano, 2014:111, 112 (specimens in M. Spinola collection, Torino, are *Cerceris arenaria*, *Cerceris quadricincta*, and *Cerceris quadrifasciata*); Protsenko, Fateryga, and Ivanov, 2014:35 (Crimea: many localities); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces, as *quadricinctus*); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey, as *quadricinctus*); Lett, 2015:5 (France: Loir-et-Cher: Gièvre); P. Rosa and Pagliano, 2015:98 (Italy: Lombardia and Piemonte: Parco del Ticino); Saure, 2015:12 (Germany: Berlin-Lichterfelde); Simon, Lorthiois, and Macé, 2015:53 (France: alluvial terraces in Eure Department: Courcelles-sur-Seine, and Seine-Maritime Department: Anneville-Ambourville); Bleidorn, Gerth, Hopfe, et al., 2016:10 (Germany: Sachsen: Trages circa 20 km south of Leipzig); Cölln and Jakubzik, 2016:17 (Germany: Rheinland-Pfalz: Vulkaneifel District); Else, Bolton, and Broad, 2016:47 (in checklist of Aculeata of Great Britain and Ireland: England); Le Divelec, Chapelin-Viscardi, and Larivière, 2016:110 (northern France: in agricultural landscapes); Mokrousov and Popov, 2016:591 (Russia: Abkhazia, Krasnodarskiy Kray); Saure, 2016b:48 (Germany: Sachsen-Anhalt: fruit orchards); Schmid-Egger, Dandria, and Xuereb, 2016:81 (in checklist of Crabronidae of Maltese Islands); A. Scholz, 2016:71 (Germany: Sachsen: Kleinraschützer Heide); Stolle and Saure, 2016:921 (Germany: in list of Sphecidae *sensu lato* of Sachsen-Anhalt); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:24 (Turkey: Erzurum, Giresun, Ordu, and Tunceli provinces, as *quadricincta quadricincta*); Arens, 2017a:647 (Greece: Peloponnesus); Augul, 2017:199 (recorded from Iraq by de Beaumont, 1961); Burguet and Durand, 2017:9 (France: Puy-de-Dôme: basin of river Crouël); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:79 (Iran: known from Alborz, East Azerbaijan, Khorasan-e Razavi, and Mazandaran provinces); Jansen, 2017: (Germany: Sachsen: Leipzig); Shorenko, 2017:81 (in Crimea collected in May through September); Creutzburg, Winter, Baumbach, and Ssymank, 2018:216 (Germany: Thüringen: Wachsenburg Nature Reserve); Dollfuss, 2018:1155 (locality records from Bulgaria, Croatia, France, Greece, Iran, Italy, Kyrgyzstan, Makedonia, Morocco, Slovakia, Spain, Tunisia, and Turkey); Kraus and Wickl, 2018: (Germany: Bayern: Nürnberg); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); Ben Khedher, Yildirim, Braham, and Chaaban, 2019:193 (known from Tunisia: Tozeur Province); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:9 (Azerbaijan: Nakhichevan Autonomous Republic); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:17 (Iran: known from Alborz, East Azerbaijan, Ilam, Khorasan-e Razavi,

Lorestan, and Mazandaran provinces, as *quadricincta quadricincta*); Ben Khedher, Yildirime, and Braham, 2020c:541 (Tunisia: previous records from Béja, Gafsa, Jendouba, Kasserine, Le Kef, Sousse, Tozeur, Tunis, and Zaghouan provinces reported); Shorenko, 2020:49 (Crimea: Karadag Nature Reserve); Cross, Baldock, and Wood, 2021:66 (in catalog of Sphecidae *sensu lato* of Portugal); Dollfuss, 2021a:944 (locality records from Austria, Bulgaria, Croatia, Czech Republic, Georgia, Germany, Greece, Italy, Kazakhstan, Kyrgyzstan, Romania, Slovakia, Spain, Tajikistan, Tunisia, and Turkey), 2021c:609 (locality records from Austria, Bulgaria, Czech Republic, Greece, Hungary, Iran, Israel, Italy, Kazakhstan, Kyrghyzstan, Morocco, Slovakia, Tajikistan, Tunesia, Turkey, Ukraine, and Uzbekistan); Kaplan and Yildirim, 2021:97 (in catalog of Crabronidae of Turkey); Olszewski, Wiśniowski, and Ljubomirov, 2021:84 (in commented list of Sphecidae *sensu lato* of Poland); Saure, 2021:83 (Germany: Brandenburg: Nature Reserve Ferbitzer Bruch near Potsdam); Jakubzik and Cölln, 2022:11 (Germany: Rheinland-Pfalz: Moselle River valley between Drohn and Kattenes); Malash, Edmardash, and Gadallah, 2022:33 (in catalog of Middle Eastern and North African Philanthinae); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:258 (in revision of Sphecidae *sensu lato* of Europe); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

Cerceris fasciata Spinola, 1806:97. Unnecessary substitute name for *Cerceris quadricincta* Panzer, 1799. – Nouvel and Ribaut, 1953:177 (France: central Pyrénées: Garonne River valley); Morel, Nouvel, and Ribaut, 1956:337 (France: Département des Pyrénées-Orientales); Nouvel and Ribaut, 1958:9 (France: Pyrénées-Orientales: Banyuls-sur-Mer area).

ssp. *corsica* de Beaumont

Cerceris quadricincta corsica de Beaumont, 1952a:62, ♀, ♂. Holotype: ♀, France: Corse: Bonifacio (MNHN). – Grandi, 1954:237 (Italy: Sardegna); Erlandsson, 1974:63 (Italy: Capo Falcone); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Pagliano, 1980:125 (Italy: Sardegna), 1988:149 (in revision of Italian Philanthinae), 1990:98 (in catalog of Italian Sphecidae); Gayubo, Borsato, and Osella, 1992:292 (France: Corse); Luchetti, 1993:106 (Italy: Sardegna: Maddalena archipelago); Gayubo and Borsato, 1994:224 (Italy: Sardegna; France: Corsica); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); K. Schmidt, 2000:72 (in revision of Western Palearctic *Cerceris*); Generani, Pagliano, Scaramozzino, and Strumia, 2003:65 (Italy: Arcipelago Toscano); Dollfuss, 2018:1156 ;locality records from France: Corse and Italy: Sardegna), 2021c:610 (locality records from Sicilia and Sardegna; Morocco: Oulad Berhil; Tunisia: Nefta); Malash, Edmardash, and Gadallah, 2022:33 (in catalog of Middle Eastern and North African Philanthinae).

ssp. *segregata* de Beaumont

Cerceris quadricincta var. *divisa* Giner Marí, 1947:21, ♀, ♂, junior primary homonym of *Cerceris divisa* Brèthes, 1910. Syntypes: Morocco: Saguia el Hamra (MNCN).– **As *Cerceris quadricincta divisa***: de Beaumont, 1951f:363 (new status, discussion).

Cerceris quadricincta segregata de Beaumont, 1970b:38. Substitute name for *Cerceris divisa* Giner Marí, 1947. – R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); K. Schmidt, 2000:73 (in revision of Western Palearctic *Cerceris*); Ben Khedher, Yildirime, and Braham, 2020c:541 (first record from Tunisia: Kairouan, Kaserine, Kebili, Mehdia, Nabeul, Tataouine, and Zaghouan provinces); Malash, Edmardash, and Gadallah, 2022:34 (in catalog of Middle Eastern and North African Philanthinae).

643. *quadricolor* F. Morawitz

Cerceris quadricolor F. Morawitz, 1889a:158, ♀. Holotype or syntypes: ♀, Mongolia or China: "Monasterium U-tai" (ZIN). – Schletterer, 1889b:1129 (redescription); Dalla Torre, 1897:471 (in catalog of world Hymenoptera); Yasumatsu, 1942c:108 (China: Nei Mongol: Apaka at 44°N 114.96°E); Tsuneki, 1961c:11, 19 (in key to *Cerceris* of northeastern Asia), 57 (China: Heilungkiang: Harbin), 65 (China: Nei Mongol: Apaka

at ca. 45°N 116°E; redescription of ♀, description of ♂), 1967e:2 (China: Heilungkiang), 1971m:17 (China: Nei Mongol: Apaka); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:473, 480 (in key to Sphecidae of Russian Far East); Wu and Zhou, 1996a:183 (in revision in Economic Insect Fauna of China); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia): Mokrousov, 2017b:14 (Russia: Buryat Republic: Chikoy River at Dureny).

644. *quadricornis* Gussakovskij

Cerceris quadricornis Gussakovskij, 1938:9, ♀. Holotype: ♀, China: Kiangsu Province: no specific locality (NRS). – R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

645. *quadridentata* Arnold

Cerceris quadridentata Arnold, 1931:169, ♀. Holotype: ♀, Namibia: Okahandja (BMNH). – Arnold, 1931:141 (in key to Afrotropical *Cerceris*); Empey, 1969a:319 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Empey, 1983:184 (bibliographic reference, unnecessary designation of lectotype); S. Gess and F. Gess, 2003:134 (Namibia: visiting flowers of *Hermbstaedtia odorata* (Burch.) T. Cooke, Amaranthaceae, *Limeum argute-carinatum* Wawra and Peyr., *Limeum myosotis* H. Walter, and *Limeum fenestratum* (Fenzl) Heimerl., Molluginaceae, and *Indigofera aricoma* E. Mey., Fabaceae); Dollfuss, 2020a:103 (locality records from Botswana, Namibia, and South Africa).

646. *quadridentata* Reyes (preoccupied)

Cerceris quadridentata Reyes, 1986:108, ♀, ♂, junior primary homonym of *Cerceris quadridentata* Arnold, 1931. Holotype: ♀, Philippines: Luzon: Abatan 60 km south of Bontoc (Bishop Mus.). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:48, 52 (in key to *Cerceris* of Philippines), 69 (bibliographic reference).

647. *quadrifasciata* (Panzer)

Philanthus quadrifasciatus Panzer, 1799, Heft 63:14, [♂]. Holotype or syntypes: Switzerland ("Dn. Jurine"): no specific locality (depository?). – Roth von Schreckenstein, 1802:32 (Germany: Baden-Würtemberg); Fabricius, 1804:305 (redescription); Panzer, 1806:175 (in critical review of his earlier work); Jurine, 1807:202 (in checklist of European *Philanthus*). – Dahlbom, 1845:XXIV (specimens in collection Fabricius examined); Peets, 1909-1911:68 (*Philanthus quadrifasciatus* of Panzer = *Cerceris quadrifasciatus*). – **As *Cerceris quadrifasciata***: Audouin, 1823a:358 (new generic assignment, in Dictionnaire classique d'histoire naturelle, nesting habits); Dahlbom, 1842a:16 (in review of Scandinavian aculeates), 1844:209 (in revision of Sphecidae and Pompilidae), 1845:500 (in key to world *Cerceris*); Eversmann, 1849:404 (Russia: between Ural Mountains and Volga); von Kiesenwetter, 1849:89 (Germany: Kingdom of Saxony: Dresden); Wissmann, 1849:13 (Germany: Kingdom of Hannover: Göttingen, Harz Mountains, and Münden); Fabre, 1856a:138 (France: Vaucluse: Avignon area), 1856b:184 (list of prey); Kawall, 1857:24 (Kurland, now Latvia); Taschenberg, 1858:82 (in key to Sphecidae of Germany); Schenck, 1861:160 (redescription, Germany: Dresden, Herrstein); Brischke, 1862:102 (Germany: Preussen Province, now Poland: Pomorze Region); A. Costa, 1863:66 (Italy: Calabria Ulteriore: valle di Popsis, determination tentative); Taschenberg, 1866:190 (in revision of Hymenoptera of Germany); A. Costa, 1867c:83 (in revision of Italian Sphecidae); Kirchner, 1867:221 (in catalog of European Hymenoptera); Wierzejski, 1868:117 (Ukraine: Bukowina Region: Kalinowce); A. Costa, 1869a:16 (Italy: Piemonte), 1869b:99 (in revision of Italian Sphecidae), 1872a:16 (Italy: in revision of Sphecidae of Kingdom of Naples); Schlechtendal, 1872:37 (Germany: Sachsen: Zwickau); Wierzejski, 1874:260 (Ukraine: Podole Region: Kalinowce, Sinków); Beuthin, 1876:231 (Germany: Hamburg area, determination tentative); Kohl, 1880:159 (Austria: Tirol, and Italy: Trentino–Alto Adige); Friese, 1883:202 (Germany: Sachsen-Anhalt: Weissenfels); Kohl, 1883e:664 (Switzerland, as

4-fasciata); von Heyden, 1884:118 (Germany Hessen: Birstein); Sickmann, 1885:179 (Germany: Niedersachsen: Wellingholthausen); Schletterer, 1887:425 (in revision of Palearctic *Cerceris*), 500 (in checklist of world *Cerceris*); Brischke, 1888b:98 (Germany: Preussen Province, now Poland: Pomorze Region); Ed. André, 1889:279, 291 (in revision of Sphecidae of Europe and Algeria), 24* (bibliographic references); Schletterer, 1889a:901 (faunal records); F. Morawitz, 1891a:217 (Russia: Astrakhan'); Kohl, 1893a:34 (Austria: Niederösterreich, as *4-fasciata*); F. Morawitz, 1893a:113 (Russia: Karelian Isthmus); Schletterer, 1894:33 (Istria Peninsula, now part of Croatia, Slovenia, and Italy); Sickmann, 1893:93 (Germany: Niedersachsen: Iburg); Baldini, 1894:57 (Italy: Modena area); Krieger, 1894:12 (Germany: Kingdom of Saxony); Rudow, 1996:329 (Germany: Brandenburg: no specific locality); Borries, 1897:58 (nesting habits); Dalla Torre, 1897:471 (in catalog of world Hymenoptera); Mocsáry, 1897:80 (Kingdom of Hungary, some localities are in today's Croatia, Romania, and Slovakia); Chyzer, 1902:33 (Hungary); de Cobelli, 1903:110 (Italy: Province of Trentino: Serrada, Trento); Adlerz, 1904:138 (preying on Hymenoptera according to André, 1889:279); Kubes, 1905:83 (Czech Republic: Sušice); Móczár and Henter, 1907:205 (Hungary: Tiszaalpár; Romania: Caraş-Severin: Mehadia); Schmiedeknecht, 1907:241, 244 (in key to Hymenoptera of Central Europe); de Gaulle, 1908:104 (in catalog of French Hymenoptera, as *4-fasciata*); Zavattari, 1910:4 (Italy: Isola d'Elba: Portoferraio); Dittrich, 1911b:25 (Germany: Niederschlesien Province, now Poland: Dolny Śląsk Region); Birula, 1912:545 (Ukraine: Zhytomyr Oblast': Radomyshl'); Schirmer, 1912:168 (Germany: Berlin area; also var. *truncatula*); Kohl, 1913b:15 (Russia: Voronezh Oblast': Valuyki at 50°14'N 38°08'E); Alfken, 1914:282 (northwestern Germany); Birula, 1914:388 (Belorussia: Luskinopol' near Vitebsk); Mercet, 1914:445 (recorded from Spain); Shestakov, 1914b:409 (Russia: White Sea Biological Station); Szilády, 1914:89 (Hungary: Crkvenica, now in Croatia, Gyilkos-to); Shestakov, 1916:235 (Caucasus: many localities), 1917b:410 (Finland; also var. *truncatula*), 1917c:49 (Ukraine: Crimea); O. Meyer, 1919:156 (Germany: Posen Province, now Poland: Poznań Region); A. Wagner, 1920:40 (Germany: Lower Elbe region); Dubois, 1922:211, 212 (in key to Belgian Sphecidae); Shestakov, 1922:82 (Russia: Stavropol' area); Hellén, 1923:60 (recorded from Finland); Alfken, 1924:231 (northern Germany); Lauterborn, 1924:287 (Germany: Baden-Württemberg: Kaiserstuhl); Berland, 1925d:60 (in Sphecid Fauna of France); Bischoff, 1925:301 (Latvia: Wezkukkul; Lithuania: Woinichi; Poland: Białowieża and Grajewo area); Coulon, 1925:117 (Morocco: Tanger); Schütze, 1925:114 (Germany: Lausitz Region); Shestakov, 1925:37 (Russia: Yaroslavl' area); K. Strohm, 1925:212 (Germany: Baden-Württemberg: Sasbach); Bouwman, 1926:280 (in list of Sphecidae of Netherlands); Friese, 1926:155 (in key to Sphecidae of Central Europe, short morphological and biological characteristics); K. Strohm, 1926:74 (reference to Lauterborn, 1924); Shestakov, 1927a:3 (Russia: Leningrad and Tver Oblast's), 4 (Russia: Moskva, Vladimir, and Yaroslavl' oblast's), 5 (Russia: Kostroma and Nizhnegorod oblast's), 8 (Belorussia: Minsk area), 17 (Russia: Orenburg Oblast'); Wnukowskij, 1927:32 (Russia: Western Siberia: village Kornilovo at 53°57'N 81°10'E); Bouwman, 1928a:361 (in revision of Sphecidae of Netherlands); Benoist, 1928:409 (France: Alpes-Maritimes, Basses-Alpes, Hautes-Alpes); Grandi, 1929:288 (Italy: Toscana: valle della Limentra); Vorontsovskiy, 1928:44 (Russia: vicinity of Orenburg); Schmiedeknecht, 1930:702, 704 (in keys to Hymenoptera of North and Central Europe); Grandi, 1931:56 (Italy: Toscana: Vallata delle Pozze near Le Mandriole); Pulkkinen, 1931:58 (in revision of Sphecidae of Finland); Minkiewicz, 1934:183 (nesting habits); Forsius *in* Forsius and Hellén, 1935:12 (in checklist of Hymenoptera of Finland); Minkiewicz, 1935:196 (Poland: Kazimierz on Wisła at 51°20'N 21°58'E); Crèvecoeur and Maréchal, 1936:254 (in catalog of Belgian Hymenoptera); Kolosov, 1937:219 (Ukraine: Kupyansk); Zavadil, Šustera, and Bat'a, 1937:210 (in catalog of Sphecidae of Czechoslovakia); Móczár, 1938c:81 (Hungary: Kőszeg Hills); A. Wagner, 1938a:123 (northwestern Germany); Móczár, 1939:5 (Hungary: Jászberény); Dovnar-Zapolskiy, 1940:304 (Russia: Kursk Oblast'); Balthasar, 1941b:112 (Czech Republic: eastern Moravia); Giner Marí, 1941a:68 (in revision of Spanish *Cerceris*); Guiglia, 1941c:161 (Italy: Calabria: Grande Sila); Paul, 1941:47 (Germany: Pommern:

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Arens, 1996:442 (Germany: Bayern: Bayreuth area); Blösch, 1996:7 (Germany: Bayern: Tennenloher Forst Nature Reserve near Erlangen); Gorobchishin, 1996:53 (Ukraine: Kanev Nature Reserve); Jakubzik, 1996:251 (Germany: Köln); Schmid-Egger, Schmidt, and Doczkal, 1996:376 (Germany: Baden-Württemberg: endangered); Tischendorf, 1996:46 (Germany: Hessen: near Bensheim); Voblenko, Gorobchishin, and Nesterov, 1996:15 (Ukraine: Polesye Region); Witt, 1996:105 (Germany: Brandenburg), 107 (locality records); Woydak, 1996:101 (Germany: Westfalen: summary of distribution and nesting habits); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:352 (in Sphecid Fauna of Western Europe); Celary, 1997:60 (in checklist of Animals of Poland); Schmidt and Schmid-Egger, 1997:7 (in checklist of German Sphecidae); Stuke, 1997:86 (Germany: Niedersachsen: Lüneburger Heide Nature Reserve); F. Burger, Saure, and Oehlke, 1998:27 (Germany: in list of Sphecidae of Brandenburg), 35 (endangered); Celary, 1998b:211 (Poland: Babia Góra National Park); Dollfuss, Gusenleitner, and Bregant, 1998:525 (Austria: summary of collecting records from Burgenland); Drewes, 1998:49 (Germany: Niedersachsen: Goldbeck 26 km west-southwest of Hamburg); Gorobchishin, 1998a:50 (Ukraine: Kiev and surroundings); Haeseler and Ritzau, 1998:50 (Germany: Bremen: Steller Heide); Józan, 1998:312 (Hungary: Duna-Dráva National Park); Lefeber, 1998:181, 182 (Netherlands: Limburg: Sint-Pietersberg near Maastricht at 50°50'N 5°41'E); H.-J. Schulz, 1998c:112 (Germany: Lausitz: former military training area near Mücka); van der Smissen, 1998:54 (Germany: Niedersachsen, Schleswig-Holstein); K. Weber, 1998:134 (Germany: Bayern: Bamberg area); Anan'eva and Kochetkov, 1999:6 (Russia: Ryazan Oblast': no specific locality); Herrmann, 1999:7 (Germany: Niedersachsen: Oldenburg area; habitats size); Kuhlmann, Wolf, and Woydak, 1999:569 (Germany: strongly endangered in Nordrhein-Westfalen); Ljubomirov, 1999b:58 (Bulgaria: Mount Vitosha near Sofia); Pagliano and Scaramozzino, 1999:160 (Italy: Piemonte: Borgomale); Pauly, 1999:111 (in catalog of Belgian aculeates); M. Schwarz, 1999:88 (Austria: Oberösterreich: city of Linz area): Tüzün, Gülmez, and Bağriaçik, 1999:386 (Turkey: Aegean Region); Wickl, 1999a:104 (Germany: Bayern: Oberpfalz area); Zehnder and Zettel, 1999:131 (Switzerland: recolonization of flooded area in Valais Canton); Blösch, 2000:420 (in Sphecid Fauna of Germany); Esenbekova and Kazenas, 2000:77 (southeastern Kazakhstan: 2-8 km south, 2-12 km southwest, and 5-23 km west of Alma Ata); Giachino, Grosso, Marchetti, Pagliano, Scaramozzino, and Vailati, 2000:110 (Greece); Jacobs, 2000:6, 16 (Germany: Land Mecklenburg-Vorpommern: close to extinction); Józan, 2000:114 (Hungary: Bakony Mountains); Ljubomirov, 2000:14 (Bulgaria, specimens in N. Nedelkov collection); M. Mader and Chalwatzis, 2000:59 (Germany: Hessen: Oderwald Mountains); Mokrousov, 2000b:32 (Russia: Nizhniy Novgorod Oblast'); Nachtigall, 2000:6 (wing bending and foldering during flight without or with prey); Schmid-Egger, 2000b:275 (Germany: Baden-Württemberg: shores of Rhine River); K. Schmidt, 2000:73 (in revision of Western Palearctic *Cerceris*); Shkuratov, 2000:56 (Russia: Rostov Oblast': Vëshenskaya village area at 49°37'N 41°45'E); Vicidomini, 2000b:23 (Italy: previously recorded from Campania); Dorow, 2001:136 (Germany: Hessen: Schönbuche Forest Reserve), 168 (comments on distribution and ecology); Feitz, Schneider, and Pauly, 2001:131 (first record from Luxemburg: Dudelange: Haardt); Ivanov and Ljubomirov, 2001:213 (Bulgaria: Kresna Gorge at 41°48'N 23°10'E); Józan, 2001:281 (Hungary: Somogy County); Kazenas, 2001b:58 (in checklist of Sphecidae of Kazakhstan and Central Asia), 252 (review of known biology), 2001d:113, 115 (in key to *Cerceris* of Kazakhstan and Central Asia); Kazenas and Esenbekova, 2001:136 (Kazakhstan: Almatinskiy Nature Reserve); Ohl et al., 2001:138 (distribution in Germany by provinces); Shkuratov, 2001:17 (prey: *Polydrusus pterygomelus* Boh., a curculionid); Skibińska, 2001:220 (Poland: Białowieża Primeval Forest); Tüzün, 2001:44 (Turkey); van der Smissen, 2001:59 (Germany: Schleswig-Holstein: endangered); Wolf, 2001a:171 (Germany: Bayern: Lech valley from Augsburg to Donau); Herrmann and Zinnert, 2002:25 (Germany: Baden-Württemberg: Bettenberg near Konstanz); Kazenas, 2002a:149 (geographic distribution, collecting localities in Kazakhstan); Shlyakhtenok and Skibinska, 2002:35 (Belorussia: no specific locality); Söderman and Vikberg, 2002:54 (in list of Aculeata of Finland); Wiśniowski,

2002:73 (Poland: Ojców National Park); Drewes, 2003:134 (Hungary, Sweden, Turkey: miscellaneous locality records); Esser and Jakubzik, 2003:290 (Germany: Nordrhein-Westfalen: Niederrheinisches Tiefland); Mandery, Kraus, Voith, Wickl, Scheuchl, Schubert, and Warncke, 2003:63 (Germany: in catalog of wasps and bees of Bayern); Nieves-Aldrey, Fontal-Cazalla, Garrido-Torres, and Rey del Castillo, 2003:42 (Spain: Madrid: Estación Biogeológica de El Ventorrillo in Sierra de Guadarrama); Wiśniowski *in* Dylewska and Wiśniowski, 2003:178 (Poland: Ojców National Park); Dorow, 2004a:127 (Germany: Hessen: Schönbuche Nature Reserve); Gayubo et al. 2004:132 (Spain: Madrid: Estación Biogeológica de El Ventorrillo in Sierra de Guadarrama); Kazenas, 2004b:112 (Kazakhstan: western Tien Shan); Klein and Lefeber *in* Peeters, van Achterberg, et al., 2004:362 (in Wasp and Ant Fauna of Netherlands); Raemakers, van den Eijnde, and Kleukers, 2004:292 (Netherlands: Tungelerwalle near Weert); Shkuratov, 2004a:74 (Russia: Rostov Oblast'); Skibińska *in* Bogdanowicz, Chudzicka, Pilipiuk, and Skibińska, 2004:355 (in catalog of Polish Crabronidae); Stolle et al., 2004:371 (Germany: Sachsen-Anhalt: in red list of Sphecidae); van Achterberg and Peeters, 2004:32 (in checklist of Sphecidae of Netherlands); Wiśniowski, 2004:53 and 63 (in checklist of Polish Sphecidae); Blösch, 2005:8 (Germany: Bayern: Tennenloher Forst Nature Reserve near Erlangen); Burger, 2005:31 (Germany: Thüringen); Haeseler, 2005:628 (Germany: Niedersachsen: Steller Heide near Bremen); Hallin, 2005:16 (Sweden: Örebro County: Hällefors); Jacob and Remacle, 2005:62 (Belgium: Luxembourg Province: quarry Haut des Loges in Vance); Jacobs, 2005a:441 (Bulgaria); Kofler, 2005:185 (Austria: Tirol: Lienz District: Lavant, city of Lienz); Kraatz, 2005:102 (Germany: Niedersachsen: Bümmerstede near Oldenburg); Mandery, 2005:173 (Germany: Bayern: Hainberg Nature Reserve near Nürnberg); Mokrousov and Selivanova, 2005:753 (Russia: Voronezh Oblast'); Nemkov, 2005a:160 (Russia: Island of Sakhalin); Pagliano and Negrisolo, 2005:325 (in Sphecid Fauna of Italy); Pijfers, 2005:50 (Netherlands: Twente: Noordelijke Manderheide); Riemann and Hohmann, 2005:546 (Germany: Niedersachsen: city of Bremen and adjacent area); Saure, 2005:13 (Germany: Berlin); Schmalz, 2005:57 (references to XIXth century authors), 58 (Germany: Hessen: Fulda: Eichenzell); Shorenko, 2005a:169 (Ukraine: Crimea); Straka, 2005a:403 (vulnerable in Czech Republic); Theunert, 2005a:16 (Germany: in checklist of Sphecidae of Niedersachsen and Bremen); Yildirim and Ljubomirov, 2005:1804 (Turkey: Erzurum: five localities); Gorobchishin, 2006:148 (Ukraine: several localities); Liebig, 2006:38 (Germany: Sachsen: Muskauer Heide); Shlyakhtenok, 2006:113 (Belorussia: Polesye Radiological Nature Reserve); Baghirov, 2007:93 (Russia: southwestern Siberia); Cungs, Jakubzik, and Cölln, 2007:139 (Luxemburg: Haardt Nature Reserve); Dorow, 2007:264 (Germany: Hessen: Niddahänge Forest Reserve); Dvořák, Straka, Smetana, Halada, Vepřek, and Karas, 2007:167 (Czech Republic: Vyšenské Kopce National Nature Reserve); Guldemond, Pijfers, and den Belder, 2007:202 (Netherlands: Gelderland: dairy farm in de Graafschap); Jacobs, 2007:183, 187 (in key to Crabronidae of Germany); Jansen and Kaluza, 2007:22 (Germany: northwestern Sachsen); Saure, 2007:81 (Germany: in checklist of Aculeata of Land Brandenburg); Vago, 2007:174 (France: départements du Nord and Somme); Vepřek and Straka, 2007:210 (in catalog of Sphecidae of Czech Republic and Slovakia); Danilov, 2008:351 (Russia: Altayskiy Kray: Barnaul area); Kazenas, 2008b:115 (Kazakhstan: foothills of Zailiskiy Alatau: found among others on loess cliffs); Ljubomirov and Yildirim, 2008:148 (in catalog of Crabronidae of Turkey, as *quadrifasciatus*); Nemkov, 2008b:26 (in catalog of Crabronidae of Asiatic Russia); Theunert, 2008:12 (Germany: map of distribution in Niedersachsen and Bremen); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); Debuyser and Vago, 2009:3 (in list of Sphecidae *sensu lato* of northern France), 17 (description, nesting habits); U. Frommer, 2009a:26 (Germany: in checklist of Sphecidae of central Hessen); González, Gayubo, Asís, and Tormos, 2009:625 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park); Guéorguiev and Ljubomirov, 2009:263 (Bulgaria: Maleshevska Planina); Nemkov, 2009b:150 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia); Ødegaard, Sverdrup-Thygeson, Hansen, Hanssen, and Öberg, 2009:70 (Norway: locality records); Shorenko, 2009:369 (in list of Sphecidae *sensu lato* of Crimea); van Diemen, 2009:49 (Netherlands: airbase

Gilze-Rijen); Bitsch, 2010:118 (in supplement to vol. II of Faune de France, 1997: France: first record from Haut-Rhin: Fessenheim); Ermilov and Mokrousov: 2010:91 (phoretic mites *Crabrovidia popovi* Zachvatkin and *Parawinterschmidtia kneissli* (Krausse) in Middle Volga Region of Russia); Esser, Fuhrmann, and Venne, 2010:35 (Germany: in checklist of aculeates of Nordrhein-Westfalen); Mokrousov, 2010a:63 (Russia: Nizhniy Novgorod Oblast', Chuvash Republic, Tatarstan: no reported specific localities); Rudoiskatel', 2010:149 (Russia: central and southern Ural Mountains); Saure, 2010b:174 (Germany: Berlin-Reinickendorf: airport Tempel and Flughafensee Protected Area); Schmid-Egger, 2010a:14 (in red list of Aculeata of Germany: rare); Shorenko and Konovalov, 2010:28 (Ukraine); Smetana, Roller, Beneš, Bogusch, Dvořák, Holý, Karas, Macek, Straka, Šima, Tyrner, Vepřek, and Zeman, 2010:101 (Western Slovakia: recorded from Borská Nížina); van der Smissen, 2010a:333 (Germany: Schleswig-Holstein: locality records); Baghirov, 2011b:154 (Russia: Altay Republic: Aktash, Kosh-Agach); Burger, 2011a:286 (Germany: in red list of Sphecidae *sensu lato* of Thüringen); Gogala, 2011:32 (Slovenia: Podčetrtek); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Mokrousov, Berezin, and Egorov, 2011:82 (Russia: Chuvash Republic); Protsenko and Drozdovskaya, 2011:91 (Ukraine: Mikolaiv Oblast': Bugskiy Guard National Park); Rudoiskatel', 2011b:68 (Russia: Republic of Bashkortostan), 2011d:239 (Russia: central Ural Mountains); Saure, 2011d:199 (Germany: Sachsen-Anstalt: conservation area "Heide südlich Burg"); Theunert, 2011a:18 (Germany: in checklist of aculeates of Niedersachsen including city of Bremen); Tischendorf, Frommer, Flügel et al., 2011:100 (Germany: Hessen: may be endangered); Boillat, 2012:228 (Switzerland: in checklist of insects of Canton de Genève); Franzén, Molander, Norén, and Nilsson, 2012:26 (Sweden: Skäne: Kullaberg Peninsula); Nemkov, 2012c:448 (in catalog of Crabronidae of Russian Far East); Yildirim, 2012:78 (Turkey: Erzincan: Refahiye); Dyuzhaeva, 2013:116 (Russia: Samara Oblast': Zhiguli Nature Reserve); Kazenas, 2013a:150, 151 (color photographs of adult wasps, short information on geographic distribution and nesting habits); Mokrousov, Ruchin, and Egorov, 2013:203 (Russia: Republic of Mordovia: Mordovian State Nature Reserve); Pankov, 2013:231 (Russia: Ivanovo Oblast'); A. Scholz and Liebig, 2013:16 (Germany: Sachsen: in list of Sphecidae *sensu lato*); Shlyakhtenok, 2013:240 (in annotated catalog of aculeate wasps of Belorussia); Wiśniowski and Szczepko, 2013:25 (Poland: Kampinos National Park near Warszawa); Hellqvist, Abenius, and Norén, 2014:94 (Sweden: in catalog of Ampulicidae, Sphecidae, and Crabronidae, by provinces); Józan, 2014:133 (Croatia: Duga Uvala); J.-K. Kim, 2014:448 (in catalog of Sphecidae *sensu lato* of Korean Peninsula); Mokrousov and Vafin, 2014:60 (Russia: Republic of Tatarstan); Pagliano, 2014:106 (specimens in M. Spinola collection, Torino, are *Cerceris arenaria*, *Cerceris maculata*, *Cerceris quinquefasciata*, and *Cerceris* sp.); Protsenko, Fateryga, and Ivanov, 2014:36 (Crimea: several localities); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey, as *quadrifasciatus*); Yıldırım, Ljubomirov, and Lelej, 2014:8 (distribution in Turkey by biogeographic provinces, as *quadrifasciatus*); P. Rosa and Pagliano, 2015:98 (Italy: Lombardia and Piemonte: Parco del Ticino); Blažej, Macek, and Trýzna, 2016:112 (Czech Republic: České Švýcarsko = Bohemian Switzerland National Park); Bleidorn, Gerth, Hopfe, et al., 2016:10 (Germany: Sachsen: Trages circa 20 km south of Leipzig); Mokrousov and Popov, 2016:591 (Russia: Krasnodarskiy Kray); Stolle and Saure, 2016:921 (Germany: in list of Sphecidae *sensu lato* of Sachsen-Anhalt); Tomozii, 2016:77 (Romania: Ceahlău National Park); Wiśniowski, 2016:127 (Poland: Ojców National Park); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:24 (Turkey: Bayburt and Erzurum provinces); Arens, 2017a:646 (Greece: Peloponnesus); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia); Shorenko, 2017:81 (in Crimea collected in May through July); Dollfuss, 2018: 1156 (locality records from Austria, Czech Republic, Finland, France, Greece, Spain, and Turkey); Jacobs and Liebig, 2018:137 (Russia: Irkutsk Oblast': Bol'shoye Goloustnoye and Sarma); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); Olszewski and Kowalczyk, 2019:90 (Poland: Pomorze Gdańskie = Gdańsk Pomerania); Ruchin and Antropov, 2019a:13242 (Russia: Mordovia State Nature Reserve); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:17 (Iran: known from Isfahan Province); Kejval, Blažej, and Erhart,

2020:117 (western Czech Republic); Cross, Baldock, and Wood, 2021:66 (in catalog of Sphecidae *sensu lato* of Portugal); Dollfuss, 2021a:945 (locality records from Albania, Austria, Bulgaria, Croatia, Czech Republic, Germany, Greece, Hungary, Italy, Kazakhstan, Kyrgyzstan, Portugal, Romania, Russia: locality in error, Serbia, Slovakia, Spain, Switzerland, Tajikistan, and Turkey), 2021c:210 (locality records from Czech Republic, Georgia, Hungary, Kazakhstan, Kyrgyzstan, Mongolia, Russia: Tyva Republic: Khadyn, Slovakia, Syria, and Turkey); Kaplan and Yildirim, 2021:97 (in catalog of Crabronidae of Turkey); Olszewski, Wiśniowski, and Ljubomirov, 2021:84 (in commented list of Sphecidae *sensu lato* of Poland); Saure and Marten, 2021:134 (Germany: Sachsen-Anhalt: Nationalpark Harz); Malash, Edmardash, and Gadallah, 2022:34 (in catalog of Middle Eastern and North African Philanthinae); Pytel-Huta, Skyrpan, Tsaryk, Shydlovskyy, and Khamar, 2022:54 (western Ukraine); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:260 (in revision of Sphecidae *sensu lato* of Europe); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

Philanthus tricinctus Thunberg, 1815a:133, sex not stated, junior primary homonym of *Philanthus tricinctus* Spinola, 1805, possibly a bibliographic reference to the latter. Holotype or syntypes: ♀, origin unknown (Uppsala). Synonymized with *Cerceris quadrifasciata* by de Beaumont, 1950c:321. – Thunberg, 1815a:128 (diagnostic characters), 1815b:288 (diagnostic characters); Dalla Torre, 1897:493 (in catalog of world Hymenoptera). – **As *Cerceris tricincta***: W. Schulz, 1912:69 (new generic assignment, study of type material).

Philanthus quadrifasciatus Thunberg, 1815a:135, sex not stated, junior primary homonym of *Philanthus quadrifasciatus* Panzer, 1799, perhaps a bibliographic reference to the latter. Holotype or syntypes: Sweden: no specific locality (Uppsala). Synonymized with *Cerceris quadrifasciata* by .. – Thunberg, 1815a:128 (diagnostic characters), 1815b:288 (diagnostic characters), 293 (redescription).

Cerceris truncatula Dahlbom, 1844:210, ♀. Lectotype: ♀, Sweden: Godegard (Lund), designated by de Beaumont, 1953h:197. Synonymized with *Cerceris quadricincta* by Thomson, 1870:248, and with *Cerceris quadrifasciata* by Schletterer, 1887:425. – Dahlbom, 1845:500 (in key to world *Cerceris*); Wissmann, 1849:13 (Germany: Kingdom of Hannover: Münden); F. Smith, 1856:413 (in catalog of Hymenoptera in British Museum); Taschenberg, 1858:82 (in key to Sphecidae of Germany); Schenck, 1861:160 (diagnostic characters, Germany: Münden); Brischke, 1862:102 (Germany: Preussen Province, now Poland: Pomorze Region); Taschenberg, 1866:191 (in revision of Hymenoptera of Germany); Kirchner, 1867:221 (in catalog of European Hymenoptera); Schenck, 1867a:354 (known from Germany); Wierzejski, 1868:117 (Ukraine: Podole Region, Bukowina Region: Kalinowce); Thomson, 1874:246 (in revision of Hymenoptera of Scandinavia); Wierzejski, 1874:260 (Poland: Kraków; Ukraine: Podole Region: Sinków, now Sinkiv); Friese, 1883:202 (Germany: Sachsen-Anhalt: Kösen; Thüringen: Gumperda; determination tentative); Schøyen, 1887:10 (Norway: Helgøen at lake Mjøsen, Kristiania (now Oslo), Krydsherred); Brischke, 1888b:98 (Germany: Preussen Province, now Poland: Pomorze Region); F. Morawitz, 1893a:113 (Russia: Karelian Isthmus); Westerlund, 1893:26 (Russia: Karelian Republic: northern shore of Lake Ladoga); Engel, 1894:53 (Germany: Bahrenfeld near Hamburg); Dalla Torre, 1897:472 (in catalog of world Hymenoptera, as *quadrifasciata* var. *truncatula*); Kozhevnikov, 1897:15 (Russia: Moscow Governorate); Strand, 1898b:95 (Norway); J. Nielsen, 1901a:267 (nesting habits); Adlerz, 1904:68 (nesting habits); Aurivillius, 1904:274 (in revision of Swedish Sphecidae); de Gaulle, 1908:104 (in catalog of French Hymenoptera, as *quadrifasciata* var. *truncatula*); Bondroit, 1933:27 (Belgium: Hal).

Cerceris bidentata Lepeletier de Saint Fargeau, 1845:9, ♀, junior primary homonym of *Cerceris bidentata* Say, 1823, now in *Eucerceris*. Holotype or syntypes: ♀, France: Paris area (MNHN). Synonymized with *Cerceris quadrifasciata* by Berland, 1925d:60; synonymy confirmed by de Beaumont, 1950c:322. – F. Smith, 1856:438 (in catalog of Hymenoptera in British Museum); Kirchner, 1867:221 (in catalog of European Hymenoptera); Dours, 1874:144 (in catalog of Hymenoptera of France); Acloque, 1897:81 (in Sphecid Fauna of France and Algeria); Dalla Torre, 1897:453 (in catalog of world Hymenoptera); de Gaulle, 1908:104 (in catalog of French Hymenoptera); Berland, 1923b:288 (France: locality records); Coulon,

1925:117 (France: Montgeon); de Beaumont, 1950c:322 (study of holotype); R. Bohart and Menke, 1976:581 (incorrectly listed as synonym of *Cerceris flavilabris*).

Cerceris dufourii Lepeletier de Saint Fargeau, 1845:14, ♀ (as *Dufourii*, incorrect original capitalization), junior primary homonym of *Cerceris dufourii* Guérin-Méneville, 1844. Holotype: ♀, France: Saint-Séver (MNHN). Synonymized with *Cerceris quadrifasciata* by de Beaumont, 1950c:322. – Six, 1859:18 (Netherlands: no specific locality); Dours, 1874:144 (in catalog of Hymenoptera of France); Schletterer, 1887:433 (as synonym of *Cerceris interrupta*); W. Schulz, 1911a:68 (study of holotype, unrecognizable species); de Beaumont, 1950c:322 (study of holotype). – **As *Cerceris interrupta* var. *dufourii***: Ed. André, 1889:279 (new status, in revision of Sphecidae of Europe and Algeria).

Cerceris nitida Wesmael, 1852:263, ♀. Syntypes: ♀, Belgium: Bruxelles area (Bruxelles). Synonymized with *Cerceris quadrifasciata* by Schletterer, 1887:425. – F. Smith, 1856:43 9 (in catalog of Hymenoptera in British Museum); Kirchner, 1867:221 (in catalog of European Hymenoptera); Dours, 1874:144 (in catalog of Hymenoptera of France).

Cerceris fargei F. Smith, 1856:439 (as *Fargei*, incorrect original capitalization). Substitute name for *Cerceris dufourii* Lepeletier de Saint Fargeau, 1845. – Kirchner, 1867:221 (in catalog of European Hymenoptera); Schletterer, 1887:46 (Lepeletier's original description copied), 491 (in checklist of world *Cerceris*).

Cerceris spreta A. Costa, 1858:27, ♀, ♂. Lectotype: ♂, Italy: Campania: Monti Vergine (Napoli), designated by de Beaumont, 1950c:327. Synonymized with *Cerceris quadrifasciata* by A. Costa, 1869b:100. – Kirchner, 1867:221 (in catalog of European Hymenoptera); de Beaumont, 1950c:326 (synonymy confirmed).

Cerceris euphorbiae Marquet, 1875:205, ♂. Syntypes: ♂, southern France: no specific locality (Lausanne). Synonymized with *Cerceris quadrifasciata* by de Beaumont, 1950c:327 and 1952b:89. – Marquet, 1881:190 (France: Hautes-Pyrénées: Tarbes, description of ♀); Dalla Torre, 1897:459 (in catalog of world Hymenoptera); de Gaulle, 1908:104 (in catalog of French Hymenoptera).

648. *queretaro* Scullen

Cerceris queretaro Scullen, 1972:91, ♀, ♂. Holotype: ♀, Mexico: Querétaro: 41 mi. north of Querétaro (USNM). – R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); G. Ferguson, 1984c:492 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:61 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

649. *querula* Kohl

Cerceris querula Kohl, 1906a:210, ♂. Syntypes: ♂, Yemen: Aden: Ras Fartak (NHMW). – Empey, 1973:2 (redescription); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Guichard, 1980:230 (Oman); Empey, 1983:184 (in checklist of world Sphecidae, holotype studied); Dollfuss, 1989:8 (holotype in NHMW); Guichard, 1993a:158 (Arabian Peninsula); Gadallah and Assery, 2004a:218 (in key to Sphecidae of Jeddah Region, Saudi Arabia), 234 (in catalog of Sphecidae of Saudi Arabia: north of Jeddah); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:358 (in new catalog of Sphecidae of Saudi Arabia); Dollfuss, 2020a:103 (Kenya: Voi); Gadallah, 2020b:65 (in list of aculeate wasps of Arabian Peninsula); Malash, Edmardash, and Gadallah, 2022:34 (in catalog of Middle Eastern and North African Philanthinae).

ssp. flavofemorata Arnold

Cerceris ponderosa Arnold, 1931:174, ♀, junior primary homonym of *Cerceris ponderosa* Brèthes, 1920. Holotype: ♀, Kenya: Embu (BMNH). – Arnold, 1931:142 (in key to Afrotropical *Cerceris*); Empey, 1969a:319 (in checklist of Afrotropical *Cerceris*).

Cerceris flavofemorata Arnold, 1942:22, ♂. Holotype: ♂, Zimbabwe: Chirinda Forest (SAM). Synonymized with *Cerceris ponderosa* Arnold by Empey, 1972:66. – Empey, 1969a:307 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae). – **As *Cerceris querula flavofemorata***: Empey, 1983:184 (new status, bibliographic reference, type examined).

Cerceris maia Arnold, 1951:114, ♂. Holotype: ♂, Ethiopia: Moggio (BMNH). Synonymized with *Cerceris flavofemorata* by Empey, 1969a:307.

650. *quettaensis* Cameron

Cerceris quettaensis Cameron,1907d:86, ♂. Lectotype: ♂, Pakistan: Balochistan: Quetta (BMNH), designated by Empey, 1984:79. – R. Turner, 1912e:797 (in revision of *Cerceris* of Indian subcontinent); Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Empey, 1984:79 (in checklist of Oriental *Cerceris* described by Cameron).

651. *quinquefasciata* (Rossi)

Crabro quinquefasciatus Rossi, 1792:139, [♀]. Holotype or syntypes: ♀, Italy: Etruria, now Toscana: Pisa area (destroyed). – de Beaumont, 1950c:319 (interpretation of species). – **As *Cerceris quinquefasciata***: Audouin, 1823a:358 (new generic assignment, in Dictionnaire classique d'histoire naturelle, nesting habits); Vander Linden, 1829:117 (bibliographic references, redescription, Italy: Bologna); Wesmael, 1852:266 (Belgium); F. Smith, 1858c:192 (in review of British Aculeata, redescription); Taschenberg, 1858:82 (in key to Sphecidae of Germany), 1866:191 (in revision of Hymenoptera of Germany); A. Costa, 1867c:87 (in revision of Italian Sphecidae); Schenck, 1967a:354 (known from Germany); A. Costa, 1869b:103 (in revision of Italian Sphecidae); Radoszkowski, 1870:103 (synonyms listed); Thomson, 1870:249 (in revision of Swedish wasps); Schlechtendal, 1872:37 (Germany: Sachsen: Zwickau); Thomson, 1874:247 (in revision of Hymenoptera of Scandinavia); Kohl, 1880:163 (Austria: Tirol, and Italy: Trentino–Alto Adige); E. Saunders, 1880:275 (in revision of British Aculeata); Friese, 1883:201 (Germany: Sachsen-Anhalt: Kösen, Merseburg, Weissenfels); Kohl, 1883e:664 (Switzerland, as *5-fasciata*); Harwood, 1884:211 (England: Essex: Colchester area); von Heyden, 1884:119 (Germany: Frankfurt am Main area); Wüstnei, 1886:40 (Germany: Schleswig-Holstein: Husum, Sonderburg); Schøyen, 1887:11 (Norway: Tøienhaven); Schletterer, 1887:428 (in revision of Palearctic *Cerceris*), 500 (in checklist of world *Cerceris*); Ed. André, 1889:291, 294, 299, 306 (in revision of Sphecidae of Europe and Algeria), 24* (bibliographic references); Schletterer, 1889a:901 (faunal records); Steck, 1890:169, 171 (in key to *Cerceris* of Switzerland); Kohl, 1893a:34 (Austria: Niederösterreich, as *5-fasciata*); F. Morawitz, 1893a:113 (Russia: Karelian Isthmus); Sickmann, 1893:93 (Germany: Niedersachsen: Iburg, analysis of color variation); Baldini, 1894:56 (Italy: Modena area); Engel, 1894:53 (Germany: Friedrichsruh near Hamburg); Krieger, 1894:12 (Germany: Kingdom of Saxony); Borries, 1897:58 (two generations in Denmark: July and August); Dalla Torre, 1897:472 (in catalog of world Hymenoptera); Kozhevnikov, 1897:15 (Russia: Moscow Governorate); Flamary, 1898:38 (France: Saône-et-Loire: Mâcon area); Strand, 1898b:95 (Norway); Adlerz, 1901:180 (nesting habits, as *5-fasciata*); Nordenström, 1901:206 (Sweden: Småland: Vernamo); N. Arnold, 1902:89 (Russia: Mohilev Province, now Belorussia); de Cobelli, 1903:109 (Italy: Province of Trentino); Adlerz, 1904:70 (nesting habits, as *5-fasciata*); Antiga and Bofill, 1904:21 (Spain: Cataluña Province); Aurivillius, 1904:274 (in revision of Swedish Sphecidae); Zilahi Kiss, 1904:77 (Hungary: Hadad); Kubes, 1905:84 (Czech Republic: Kolín, Mančice); Mosolov, 1905b:19 (Russia: Moscow Governorate: Mikhailovskoye); Móczár and Henter, 1907:205 (Hungary: Hatvan); Schmiedeknecht, 1907:241 (in key to Hymenoptera of Central Europe); de Gaulle, 1908:104 (in catalog of French Hymenoptera, as *5-fasciata*); Cavro, 1910:685 (France: Département du Nord, as *5-fasciata*); Dittrich, 1911b:25 (Germany: Niederschlesien Province, now Poland: Dolny Śląsk Region); Zavattari, 1911:3 (Italy: Piemonte: Valle del Maira); Birula, 1912:544 (Ukraine: Zhytomyr Oblast': Radomyshl'); Schirmer, 1912:168 (Germany: Berlin area); B. Harwood,

1913:230 (prey: *Strophosomus faber* (Herbst), Curculionidae); Kohl, 1913b:15 (Russia: Voronezh Oblast': Valuyki at 50°14'N 38°08'E); Alfken, 1914:282 (northwestern Germany); Birula, 1914:368 (additional specimens from Radomyshl'), 388 (Belorussia: Ambrosovichi and Luskinopol' near Vitebsk); Haines, 1914:129 (Great Britain: Dorset); Mercet, 1914:445 (recorded from Spain); Zavattari, 1915:2 (Italy: Abruzzi: Vallata del Sangro); Drenowski, 1936:247 (Bulargia); Yasumatsu, 1942c:114 (China: Nei Mongol: Apaka at 44°N 114.96°E); Shestakov, 1916:235 (Caucasus), 1917c:49 (Ukraine: Crimea); Strand, 1918:3 (Germany: Bayern: Kulmbach); Dubois, 1919:96 (Belgium: Bruxelles: Uccle); Kerenskiy, 1919:35 (Russia: Penza Governorate); O. Meyer, 1919:156 (Germany: Posen Province, now Poland: Poznań Region); Strand, 1920:23 (Germany: Berlin-Dahlem); A. Wagner, 1920:40 (Germany: Lower Elbe region); Dubois, 1922:210, 212 (in key to Belgian Sphecidae); Hedicke, 1922:272 (Germany: Brandenburg: Gross Machnower Weinberg); Maidl, 1922:68 (Croatia); Shestakov, 1922:82 (Russia: Stavropol' area); Hellén, 1923:60 (recorded from Finland); Chevalier, 1924d:77 (prey: *Criocerus asparagi* Linnaeus, a curculionid; nest parasite: *Myobia pumila* Lucas, a tachinid); Maréchal, 1924:6 (Belgium: Loën); Berland, 1925d:61 (in Sphecid Fauna of France); Coulon, 1925:116 (France: Forêt de la Londe, Rouen; prey); Schütze, 1925:113 (Germany: Lausitz Region); Shestakov, 1925:37 (Russia: Yaroslavl' area); Bouwman, 1926:280 (in list of Sphecidae of Netherlands); Hémon, 1926:199 (France: Finistère: Fouesnant); Shestakov, 1927a: 4 (Russia: Moskva and Yaroslavl' Oblast's), 5 (Kostroma Oblast'), 6 (Ryazan' Oblast'), 7 (Kursk Oblast'), 8 (Belorussia: Minsk area), 10 (Ukraine: Odessa and Poltava Oblast's), 11 (Ukraine: Kherson Oblast'); Bouwman, 1928a:362 (in revision of Sphecidae of Netherlands); Benoist, 1928:409 (France: Hautes-Alpes); Grandi, 1928d:276 (nesting habits), 279 (description of egg and larva); Hamm and Richards, 1930:113 (summary of nesting habits), 125 (list of prey); Schmiedeknecht, 1930:701, 703, 704 (in keys to Hymenoptera of North and Central Europe); Vorontsovskiy, 1930:65 (Russia: Orenburg Oblast'); Grandi, 1931:56 (Italy: Toscana: Vallata delle Pozze near Le Mandriole); Pulkkinen, 1931:58 (in revision of Sphecidae of Finland, not yet found in Finland); Bondroit, 1932:39 (Belgium: common in Bruxelles area); Giordani-Soika, 1932a:21 (Italy: Lido di Venezia); Balles, 1934:21 (Germany: Baden-Württemberg: 13 localities); Bondroit, 1934:60 (Belgium; prey: a small *Meligethes*, Nitidulidae); Jansson, 1934:290 (Sweden); Minkiewicz, 1934:188 (nesting habits, occasional use of Chrysomelid prey); Bernard, 1935:63 (France: Var: Fréjus area); Marchand and Dulac, 1935:61 (France: Saône-et-Loire: Saint Laurent d'Andenay); Minkiewicz, 1935:196 (Poland: Kazimierz on Wisła at 51°20'N 21°58'E); Vergne, 1935:117 (France: Auvergne: Billom); Drogoszewski, 1936:130 (Poland: Łowicz, Opatów, as *5-fasciata*); Pattri, 1936:113 (Germany: Hessen; Darmstadt area, on sandy habitats); Dulac, 1937:9 (France: Saône-et-Loire: Saint-Laurent d'Andenay, as *S. fasciata*); Goebel, 1937:47 (Poland: Poznań District: Poznań-Dębina, Strzeszyn); Kolosov, 1937:219 (Ukraine: Kupyansk); Richards, 1937b:108 (in checklist of British aculeates); Zavadil, Šustera, and Bat'a, 1937:210 (in catalog of Sphecidae of Czechoslovakia); Maréchal, 1938b:209 (Belgium: Louvain area, on flowers of *Jasione montana* L., Campanulaceae); Móczár, 1938c:81 (Hungary: Kőszeg Hills); Redikortsev, 1938:144 (Russia: Mordovian State Nature Reserve); A. Wagner, 1938a:123 (northwestern Germany); Aerts, 1939:135 (Germany: Nordrhein-Westfalen: loess cliff at Weilerswist near Köln); Móczár, 1939:5 (Hungary: Jászberény); Dovnar-Zapolskiy, 1940:304 (Russia: Kursk Oblast'); Giner Marí, 1941a:42 (in revision of Spanish *Cerceris*); Paul, 1941:47 (Germany: Pommern: Stettin area, now Poland: Województwo Zachodniopomorskie: Szczecin area); Schneid, 1941:1049 (Germany: Bayern: Bamberg area); J. Perkins, 1942:200 (Sweden: Skåne: Degaberga); Boyd, 1943:163 (Great Britain: eastern Dorset); Giordani Soika, 1944:12 (Italy: Sicilia: Falcone); Guiglia, 1944b:15 (Italy); Šnoflák, 1944a:144 (Czech Republic: serpentine steppe near Mohelno); Deleurance, 1946b:67 (France: Bouche-du-Rhône: Camargue: Bois des Rièges); Guiglia, 1947a:28 (Italy: Piano Maiuri); Balthasar, 1948:143 (Slovakia: Kovačov, Parkan); Šnoflák *in* Zavadil and Šnoflák, 1948:92, 95, 96 (in key to Sphecidae of Czechoslovakia); de Andrade, 1949:12 (Portugal, after Giner Marí, 1939); Aerts, 1950a:51 (Germany: Nordrhein-Westfalen: Rheidter Wertchens near Köln); Cavro, 1950:36 (France: Département du Nord); Szulczewski, 1950:106 (Poland:

Wielkopolski National Park 15 km south of Poznań); Caruel, 1951:100 (France: Marne Department); de Beaumont, 1951h:32 (Switzerland: Neuchâtel area), 1951f:364 (in North African found only in Tanger), 1952a:63 (in revision of *Cerceris* of France); Cleu, 1953:50 (France: Ardèche River basin); Głowacki, 1953:520 (Poland: Podkowa Leśna near Warszawa); Heldmann, 1953:112 (Germany: Hessen: Eberstädter Düne near Darmstadt); Móczár, 1953:310 (Hungary); Nouvel and Ribaut, 1953:177 (France: Central Pyrénées: Garonne River valley, Hautes-Pyrénées: Cauterets); Bischoff and Stadler, 1954:127 (Germany: Bayern: Romberg); de Beaumont, 1954e:87 (Italy); Grandi, 1954:237 (Italy); Aerts, 1955:64 (Germany: Rheinland); Harant and Leclercq, 1955:251 (France: Hérault: Fond-d'Azolles, Montpellier); Steiner, 1955:137 (France: Dordogne); Teschner, 1955:57 (Germany: Nordrhein-Westfalen: Hohe Ward near Münster); Vogrin, 1955:33 (Yugoslavia); Bajári, 1956a:83 (in catalog of Hungarian *Cerceris*, with list of localities); Ceballos, 1956:371 (in catalog of Hymenoptera of Spain); Hertzog, 1956:182 (carrying prey venter up, keeping it with mandibles by one of forelegs); Morel, Nouvel, and Ribaut, 1956:337 (France: Département des Pyrénées-Orientales); Bajári, 1957a:39, 44 (in key to Hungarian Sphecidae); Grandi, 1957:388 (Italy); Evans, 1957b:88 (discussion of larval characters); Zirngiebl, 1957:184 (Germany: Rheinland-Pfalz: Pfalz region); Benno, 1958b:11 (in review of Dutch Sphecidae); Nouvel and Ribaut, 1958:10 (France: Pyrénées-Orientales: Banyuls-sur-Mer area); Puławski, 1958a:166 (Bulgaria: Kniazhevo and Vitosha Mountain near Sofia, Varna); Tonapi, 1958a:510 (spiracular structures); de Beaumont, 1959a:15 (Italy); Diniz, 1959:28 (Portugal: Porto); Scobiola-Palade, 1959:495 (first record from Romania: Constanţa Region: Techirghiol); Wolf, 1959b:31 (Germany: Nassau); Hamann, 1960:199 (Austria: Oberösterreich: Mönchgraben at 48°13'N 14°21'E); Noskiewicz and Puławski, 1960:77, 79 (in key to Polish Sphecidae); Grandi, 1961:169 (nesting habits), 482 (description of larva); Wengris, 1962:204 (Lithuania: Vilnius area); Babiy, 1964:117 (Austria: Land Salzburg); de Beaumont, 1964c:40 (in Sphecid Fauna of Switzerland); Tsuneki, 1965d:3, 4 (prey record summary: Curculionidae, Chrysomelidae); Hoop, 1963b:7 (Germany: Schleswig-Holstein: Lehmrade); Lehrer and Scutaru, 1963:284 (Romania: Moldova: Baia and Rădăşeni in Suceava District, Bîrnova and Mirceşti in Iaşi District, and Iaşi); Ceballos, 1964:89 (in supplement to catalog of Spanish Sphecidae); Evans, 1964b:278 (discussion of Grandi, 1961 description of larva); Plavil'shchikov, 1964:123 (Russia: Mordovian State Nature Reserve); B. Klug, 1965:138 (Germany: Baden-Württemberg: Freiburg im Breisgau area); Scobiola-Palade, 1966b:391 (Romania: Tulcea District: Tulcea); Benno, 1967:35 (in checklist of Sphecidae of Netherlands); Gauss, 1967:551 (Germany: Baden-Württemberg); J. Heinrich, 1967:71 (Germany: Bayern: Unterfranken District); Miczulski, 1967:189 (Poland: Sławin near Lublin); Niedl and Deneš, 1967:85 (Czech Republic: Třeboň area); Scobiola-Palade, 1967a:161 (Romania: Constanţa District: Băneasa, Hagieni), 1967b:41 (Romania); Benedek, 1968:71 (Hungary, floral records); Scobiola-Palade, 1968b:141 (Romania: Island of Letea in delta of Danube), 1968c:383 (Romania: eight localities); de Beaumont, 1969:82 (Turkey); Benedek, 1969a:83 (Hungary; marshy meadow); Lefeber, 1969c:233 (Netherlands: Sint-Pietersberg = Montagne Saint Pierre); Zangheri, 1969:1701 (Italy: in catalog of flora and fauna of Romagna Region); Benedek, 1970:96 (Hungary: Tapolca); Oehlke, 1970:684 (Democratic Germany); Tumšs, 1970:77 (first record from Latvia); Dathe, 1971:234 (Germany: Berlin Zoological Garden; phenology), 1971:237 (Germany: Berlin); Schmidt, 1971b:26 (Germany: Rheinland-Pfalz: Gonsenheimer Wald, Mainzer Sand); Scobiola-Palade, 1971:205 (in review of *Cerceris* of Romania); Stritt, 1971a:104 (Germany: Baden-Württemberg: Karlsruhe); Balthasar, 1972:412 (in Sphecid Fauna of Czechoslovakia); Haeseler, 1972:155, 200 (Germany: Schleswig-Holstein; anthropogenic habitats); Kofler, 1972:106 (Austria: eastern Tirol); Simon Thomas, 1972:178 (France: Landes); Scobiola-Palade, 1972b:252 (Romania); Felton, 1973:15 (England: Kent County, as *quinquefasciatus*); Erlandsson, 1974:63 (Spain); Kazenas, 1974b:110 (feeding on flowers of *Silaum besseri* L., Apiaceae, in Kazakhstan); Kofler, 1974:320 (Austria: Kärnten); Lomholdt, 1974:198 (map of distribution in Fennoskandia and Denmark); Simon Thomas, 1974:57 (Netherlands: Limburg: Tienray); Lefeber, 1975b:122 (Belgium); Lomholdt, 1975c:179 (in Sphecid Fauna of Fennoscandia and Denmark); R. Bohart and Menke, 1976:586 (in checklist of world

Sphecidae); Guichard, 1977:254 (Great Britain: Surrey); Kolesnikov, 1977:317 (Russia: Bryansk Oblast'); Kazenas, 1978b:62, 67 (in key to Sphecidae of Kazakhstan and Central Asia); Leclercq, 1978b:map 1197 (distribution in Belgium); Marion, 1978:86 (France: Nièvre Department); Pulawski, 1978:194, 196 (in key to Sphecidae of European part of USSR); Schwammberger, 1978:416 (Germany: Württemberg); Lefeber, 1979:11 (in checklist of Sphecidae of Netherlands), 28 (Netherlands: distribution map); Schmidt, 1979b:303 (Germany: Baden-Württemberg); Schwammberger, 1978:416 (Germany: Württemberg); Benedek, 1979:228 (Hungary: Bakony Hills); Dathe, 1980:208 (Russia: northern Caucasus: Teberda); Mityaev, Matesova, Kulenova, Kazenas, and Zhdanko, 1980:121 (Russia: Siberia: Altayskiy Kray: basin of Aley River); Pagliano, 1980:125 (Italy: Piemonte); Richards, 1980:85 (in key to Sphecidae of British Isles); Dollfuss and Ressl, 1981:324 (Austria: Niederösterreich: Scheibbs District); Woydak, 1981:39 (Germany: Westfalen: Hamm); Donath, 1982:212 (Germany: Cottbus Bezirk); Gayubo, 1982e:110 (Spain: Cádiz Province; (as *quinquefasciata quinquefasciata*); Silvestre de Sacy, 1982:4 (France: Côte-du-Nord: Paimpol area, as *quinquefasciata* (Panzer)); Skibińska, 1982:123 (Poland: Warszawa area); Dollfuss, 1983b:25 (in catalog of Sphecidae of Austria); Józan, 1983:98 (Hungary); Lefeber, 1983a:85 (Netherlands: Waddendistrict: Island of Ameland); Riemann, 1983:83 (Germany: Bremen-Daverden area); Chevin and Silvestre de Sacy, 1984:10 (France: Yvelines Department); Haack, Tscharntke, and Vidal, 1984:124 (Germany: Hamburg area); Kazenas, 1984a:147 (in revision of *Cerceris* of Kazakhstan and Central Asia); Lefeber, 1984:28 (Netherlands: Maastricht); Schmidt and Westrich, 1984:240 (Germany: Rheinland-Pfalz: Bad Münster); Józan, 1985a:181 (Hungary), 1985b:62 (Hungary: south of Lake Balaton), 82 (floral records), 85 (ecological and zoogeographic characteristics); Lefeber, 1985:87 (Netherlands: southern Limburg); Scobiola-Palade, 1985:96 (Romania: delta of Danube); Brechtel, 1986:58 (Germany: Südpfalz); Józan, 1986:375 (Hungary: Kiskunság National Park); Piek and Spanjer, 1986:182 (in list of Sphecidae with known prey); Steiner, 1986:114 (references to publications on nesting habits); Holtappels, 1987:26 (Germany: Nordrhein Westfalen: Effelder Waldsee); Pagliano, 1987:164 and 166 (in key to *Cerceris* of Italy); Riemann, 1987a:339 (Germany: Niedersachsen: Bremen area, as *quinquefasciatus*); Schmidt and Westrich, 1987:358 (Germany: Mainz area); Scobiola-Palade, 1987:64 (Romania: Dobrogea); Dollfuss, 1988:20, 31 (Austria: Bisamberg near Vienna; Niederösterreich: Oberweiden); Düweke, 1988:688 (Germany: Baden-Württemberg: Kaiserstuhl); Kowalczyk, 1988a:45 (Poland: Rogów), 1988b:64 (Poland: environs of Łódź); Pagliano, 1988:150 (in revision of Italian Philanthinae); Riemann, 1988:222 (Germany: Bremen area); Wolf, 1988b:143 (Germany: Rheinland-Westfalen); Jacobs, 1989:28 (Germany: Mecklenburg-Vorpommern); Józan, 1989:102 (Hungary: Tihany Nature Reserve); Pádr *in* Šedivy, 1989a:166 (in checklist of Czechoslovakian Sphecidae); Jacobs and Oehlke, 1990:218 (new records from Democratic Germany); Kowalczyk, 1990:291 (Poland: Góry Świętokrzyskie); Kuznetzova, 1990:18 (Russia: Voronezh Oblast': Galich'ya Gora Nature Reserve); Pádr, 1990:69 (Czech Republic: Praha area); Riemann and Melber, 1990:119 (northwest Germany: *Calluna*-meadows); Schwammberger and Priesner, 1990:554 (Austria: Kärtnen); von der Heide and Witt, 1990:63 (Germany: Niedersachsen); Day, 1991:xiii (summary of European Endangered Hymenoptera Lists); Dollfuss, 1991:222 (in key to Sphecidae of North and Central Europe); Gayubo, Borsato, and Osella, 1991:421 (Italy); Jakubzik, 1991:74 (Germany: Köln); Kowalczyk, 1991a:89, 97, 99, 101, 107 (Poland: Łódź), 1991b:120 (Poland: Augustów Forest); Kuhlmann et al., 1991:87 (Germany: Senne Region); Budrys, 1992:30 (in list of Sphecidae of Lithuania); Delarze, 1992:67 (Switzerland: Valais: Les Follatèrres, as *cinquefasciata*); Józan, 1992a:230 (Hungary: Béda-Karapancsa Protected Area), 1992c:290 (Hungary: Zselic Hills); K. Weber, 1992:86 (Germany: Bayern: Bamberg District); Gorobchishin, 1993:47 (Ukraine: Kanev Nature Reserve); Józan, 1993:415 (Hungary: Bükk National Park); Kuhlmann, 1993:75 (Germany: known from Westfalen); Sorg and Wolf, 1993:59 (Germany: Rheinland-Westfalen: Nature Reserve Die Spey); Gayubo and Borsato, 1994:224 (Italy: Veneto); Kowalczyk, 1994:73 (Poland: Łagiewniki forest in Łódź); Schmid-Egger, 1994a:687 (Germany: Rheinland-Pfalz: Höllenberg near Grünstadt); Theunert, 1994c:34 (Germany: summary of records from Niedersachsen and Bremen); Gorobchishin,

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list of Aculeata of Germany: relatively common); Schmidt, 2010:132 (Germany: Bayern: collected along Main-Donau canal); Shorenko and Konovalov, 2010:28 (Ukraine: Khar'kov Oblast': village Rogan'); Smetana, Roller, Beneš, Bogusch, Dvořák, Holý, Karas, Macek, Straka, Šima, Tyrner, Vepřek, and Zeman, 2010:101 (Western Slovakia: recorded from Borská Nížina); Tüzün and Yüksel, 2010:4475 (Turkey: Niğde Province); van der Smissen, 2010a:333 (Germany: Schleswig-Holstein: locality records), 2010c:395 (Sweden: Öland: Högsrump); Wurdack and Gack, 2010:153 (Germany: Baden-Württemberg: Kaiserstuhl); Baghirov, 2011b:154 (Russia: Altay Republic: Aktash, Ust'-Kan); Gogala, 2011:32 (Slovenia); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Mokrousov, Berezin, and Egorov, 2011:82 (Russia: Chuvash Republic); Rudoiskatel', 2011b:68 (Russia: Republic of Bashkortostan); Saure, 2011a:5 (Germany: Berlin: former airport Tempelhof), 2011c:197 (Germany: Berlin-Spandau: Fort Hahneberg); Theunert, 2011a:19 (Germany: in checklist of aculeates of Niedersachsen including city of Bremen); Tischendorf, Frommer, Flügel et al., 2011:113 (Germany: Hessen: not endangered); Ziska and Saure, 2011:108 (Germany: Berlin: Tegeler Flieβ valley); Boillat, 2012:228 (Switzerland: in checklist of insects of Canton de Genève); Cölln, Jakubzik, and Kinkler, 2012:24 (Germany: Nordrhein-Westfalen: Leverkusen); Franzén, Molander, Norén, and Nilsson, 2012:26 (Sweden: Skäne: Kullaberg Peninsula); Gerth, Mayer, Hering, Wolf, Schaffer, and Bleidorn, 2012:9 (Germany: Sachsen: Bienitz in Leipzig); Klimsa, 2012:69 (Germany: Bayern: Schwandorf District); Polidori, García, and Nieves-Aldrey, 2012:280 (study of female antennal sensillae); Prisniy, 2012:53 (Russia: Belgorod Oblast', as *quinguefasciata*); Saure, 2012b:228 (Germany: Berlin-Spandau: Spandauer Forst); Shibayev and Polumordvinov, 2012:278 (Russia: Penza Oblast'); Standfuss and Standfuss, 2012:428 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Yildirim, 2012:78 (Turkey: Erzurum Province); Akulov and Proshchalykin, 2013:119 (Russia: Siberia: Krasnoyarsk Kray: near Krasnoyarsk, 20 and 25 km south of Minusinsk); Flügel, 2013a:119 (Germany: Brandenburg: Pimpinellenberg near Oderberg); Pankov, 2013:231 (Russia: Ivanovo Oblast'); Saure, 2013:17 (Berlin: Treptow-Köpenick: Gosener Wiesen); A. Scholz and Liebig, 2013:16 (Germany: Sachsen: in list of Sphecidae *sensu lato*); Shlyakhtenok, 2013:241 (in annotated catalog of aculeate wasps of Belorussia); Wiśniowski and Piotrowski, 2013:20 (Poland: Poleski National Park); Wiśniowski and Szczepko, 2013:26 (Poland: Kampinos National Park near Warszawa); Zettel, Zimmermann, and Wiesbauer, 2013:14 (Austria: Wien: Donaupark); Bitsch, 2014:410 (France: Tarn: Peyrin-Augmontel); Flügel, 2014:254 (Brandenburg: Hangelsberger Heide); U. Frommer, 2014:26 (Germany: Hessen: Lorch); Hellqvist, Abenius, and Norén, 2014:94 (Sweden: in catalog of Ampulicidae, Sphecidae, and Crabronidae, by provinces); Mokrousov and Vafin, 2014:60 (Russia: Republic of Tatarstan); Protsenko, Fateryga, and Ivanov, 2014:36 (Crimea: several localities); Ruchin and Antropov, 2014:38 (Russia: Republic of Mordovia); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces, as *quinquefasciatus*); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey, as *quinquefasciatus*); Lett, 2015:5 (France: Loir-et-Cher: Gièvre); Mokrousov and Egorov, 2015:425 (Russia: Republic of Mordovia: Nature State Reserve Prisuskiy); P. Rosa and Pagliano, 2015:99 (Italy: Lombardia and Piemonte: Parco del Ticino); Saure, 2015:12 (Germany: Berlin-Lichterfelde); Bleidorn, Gerth, Hopfe, et al., 2016:10 (Germany: Sachsen: Trages circa 20 km south of Leipzig); Cölln and Jakubzik, 2016:17 (Germany: Rheinland-Pfalz: Vulkaneifel District); Else, Bolton, and Broad, 2016:47 (in checklist of Aculeata of Great Britain and Ireland: England); Le Divelec, Chapelin-Viscardi, and Larivière, 2016:110 (northern France: in agricultural landscapes); Mokrousov and Popov, 2016:592 (Russia: Krasnodarskiy Kray); Ruchin and Antropov, 2016:402 (Russia: Mordovian State Nature Reserve); Saure, 2016a:8 (Germany: Brandenburg: Uckermark District: dry slopes near Altgalow-Stützkow), 2016b:48 (Germany: Sachsen-Anhalt: fruit orchards), 1916c:204 (Germany: center of Berlin: Groβer Tiergarten Park);; Stolle and Saure, 2016:921 (Germany: in list of Sphecidae *sensu lato* of Sachsen-Anhalt); Wiśniowski, 2016:127 (Poland: Ojców National Park); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:24 (Turkey: Erzurum and Tunceli provinces, as *quinquefasciata quinquefasciata*); Arens, 2017a:647 (Greece: Peloponnesus); Danilov and Mokrousov, 2017b:254

(in catalog of Philanthinae of Russia, as *quinquefasciata quinquefasciata*); Flügel, 2017:5 (Germany: Rheinland-Pfalz: Eschkopf and Doline near Rockensüβ); Jansen, 2017:6 (Germany: Sachsen: Leipzig); Říha, 2017:174 (Czech Republic: Brno); Shorenko, 2017:81 (in Crimea collected in June and July); Twerd, Krzyżyński, Waldon-Rudzionek, and Olszewski, 2017:6 (Poland: Inowroclaw and Janikowo: nesting in postindustrial soda ash dumping sites);Weiss, Herzner, and Strohm, 2017:3 (male pheromone glands); Dollfuss, 2018:1157 (locality records from Austria, Croatia, Czech Republic, France, Germany, Italy, Kazakhstan, Slovakia, and Turkey); Kraus and Wickl, 2018: (Germany: Bayern: Nürnberg); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); Carminati, Mora, and Cretin, 2019:26 (France: in list of Sphecidae *sensu lato* of Franche-Comté); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:9 (Azerbaijan: Nakhichevan Autonomous Republic); Olszewski and Kowalczyk, 2019:90 (Poland: Pomorze Gdańskie = Gdańsk Pomerania); Ruchin and Antropov, 2019a:13242 (Russia: Mordovian State Nature Reserve), 2019b:163 (common in Mordovian State Nature Reserve); Kejval, Blažej, and Erhart, 2020:117 (western Czech Republic); Saure, 2020:276 (Germany: Sachsen-Anhalt: sand dunes); Danilov, Odintseva, and Odintsev, 2021:21 (Russia: previously recorded from Omsk Oblast'); Dollfuss, 2021a:948 (locality records from Albania, Austria, Bulgaria, Czech Republic, Germany, Hungary, Montenegro, Romania, Slovakia, and Turkey), 2021c:611 (locality records from Austria, Bulgaria, Czech Republic, Hungary, Kyrgyzstan, Slovaka, Turkey, and Ukraine); Kaplan and Yildirim, 2021:97 (in catalog of Crabronidae of Turkey); Olszewski, Wiśniowski, and Ljubomirov, 2021:85 (in commented list of Sphecidae cc*sensu lato* of Poland); Saure, 2021:83 (Germany: Brandenburg: Nature Reserve Ferbitzer Bruch near Potsdam); X.-L. Li, Zhou, Xiong, Luo, and Zhu, 2021b:2044 (complete mitochondrial genome); Can, 2022a:222 (supernumerary vein in forewing); Cross, 2022:139 (Spain: Huelva Province; prey: chrysomelid *Crioceris asparagi* (Linnaeus)); Jakubzik and Cölln, 2022:11 (Germany: Rheinland-Pfalz: Moselle River valley between Drohn and Kattenes); Malash, Edmardash, and Gadallah, 2022:34 (in catalog of Middle Eastern and North African Philanthinae); Pytel-Huta, Skyrpan, Tsaryk, Shydlovskyy, and Khamar, 2022:54 (western Ukraine); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:261 (in revision of Sphecidae *sensu lato* of Europe); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

Cerceris nasuta Dahlbom, 1844:215, ♀, ♂, junior primary homonym of *Cerceris nasuta* Latreille, 1809. Syntypes: Germany, England, Scandinavia (Lund). Synonymized with *Cerceris quinquefasciata* by Thomson, 1870:249. – Dahlbom, 1945:501 (in key to world *Cerceris*); von Kiesenwetter, 1849:89 (Germany: Kingdom of Saxony: Oberlausitz area); Wissmann, 1849:13 (Germany: Kingdom of Hannover: Münden, Regenstein); Tischbein, 1850:9 (Germany: Rheinland-Pfalz: Herrstein in Fürstenthum Birkenfeld, as *nasuta* Klug); Kirschbaum, 1853:46 (Germany: Herzogtum Nassau: Mainz-Mombach, Weilburg, and Wiesbaden); Kawall, 1857:24 (Kurland, now Latvia); Ruthe and Stein, 1857:314 (Germany: Berlin area); Schenck, 1857:148 (Germany: in revision of fossorial wasps of Nassau Region); Assmus, 1859:613 (Russia: Moscow Governorate); Funk, 1859:58 (Germany: Bayern: Bamberg, as *nasuta* Kl.); A. Costa, 1860:14 (Italy: in revision of Sphecidae of Kingdom of Naples); Schenck, 1860:147 (Germany: Nassau Region, as *nasuta* Kl.); Brischke, 1862:102 (Germany: Preussen Province, now Poland: Pomorze Region); Siła-Nowicki, 1864:54 (Ukraine: L'viv), 1865:54 (western Ukraine: Galicia region: no specific locality); Kirchner, 1867:221 (in catalog of European Hymenoptera); Schenck, 1867a:354 (Germany: Nassau Region, as *nasuta* Kl.); Jaennicke, 1868:9 (Germany: Hessen: Kelsterbach, as *nasuta* Kl.); Wierzejski, 1868:117 (Poland: Kraków; Ukraine: Podole Region: Janów); von Aichinger, 1870:317 (Austria: Tirol); Wierzejski, 1874:260 (Poland: Kraków; Ukraine: L'viv and Podole Region); Beuthin, 1876:231 (Germany: Hamburg area, as *nasuta* Klug); Brischke, 1888b:99 (Germany: Preussen Province, now Poland: Pomorze Region); Assmuss, 1892:52 (Russia: earlier record from Moscow Governorate repeated); Bezzi, 1892:123 (Italy: Lombardia: Provincia di Pavia, as *nasuta* Klug); Meunier, 1896:272 (Belgium: Bruxelles area); Lüderwaldt, 1897b:30 (Germany: Gollnow, now Poland: Pomorze Region: Goleniów); Graeffe, 1911:48 (Italy: Trieste area);

Rudow, 1912:67 (preying on weevils *Chlorophanus* and *Polydrusus*, as *nasata*); de Beaumont, 1953h:197 (study of syntypes; synonymy confirmed); Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino); Pagliano, 2014:106 (specimens in M. Spinola collection, Torino, are *Cerceris quinquefasciata*).

Cerceris subdepressa Lepeletier de Saint Fargeau, 1845:12, ♀. Syntypes: ♀, France: Paris area (MNHN). Synonymized with *Cerceris quinquefasciata* by Schletterer, 1887:428; synonymy confirmed by de Beaumont, 1950c:322. – Dours, 1874:144 (in catalog of Hymenoptera of France); Acloque, 1897:81 (in Sphecid Fauna of France and Algeria); de Beaumont, 1950c:322 (study of syntypes).

ssp. *consobrina* Kohl

Cerceris consobrina Kohl, 1898a:342, ♀, ♂. Syntypes: Spain: Granada and Barcelona (NHMW). – Antiga and Bofill, 1904:21 (Spain: Cataluña Province); Dusmet y Alonso, 1906:7 (Spain); Mercet, 1914:445 (recorded from Spain); Dusmet y Alonso, 1915:87 (Spain: Aragón); Giner Marí, 1941a:38 (in revision of Spanish *Cerceris*), 1943a:97 (in Sphecid Fauna of Spain); de Andrade, 1949:12 (Portugal: Lisboa); Diniz, 1959:28 (Portugal: Lisboa); Ceballos, 1956:367 (in catalog of Hymenoptera of Spain). – **As *Cerceris quinquefasciata consobrina***: de Beaumont, 1952a:64 (new status, in revision of *Cerceris* of France); Suárez, 1969:28 (Spain: Almería Province); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Gayubo, 1982b:57 (Spain: Ávila, Cáceres, and Salamanca provinces), 1983e:238 (Spain: Salamanca Province); Gayubo and Tormos, 1984:25 (Spain: Valencia); Gayubo, 1985c:172 (Spain: Valladolid: Cigales, Rioseco), 1986a:67 (Spain: Ciudad Real Province), 1986d:123 (Spain: Zamora Province); Gayubo and Sanza, 1986:89 (Spain: Burgos); Tormos and Jiménez, 1987a:128 (Spain: Valencia); Asís and Jiménez, 1988:277 (Spain: Castellón Province); Dollfuss, 1989:8 (type material in NHMW); Gayubo, Asís, and Tormos, 1990b:80 (Spain: Valladolid and Zaragoza Provinces); Gonzáles, Gayubo, and Torres, 1998:74, 75 (Spain: Valladolid Province); Gayubo, García, Torres, and González, 1999:91 (Spain: Soria Province); Gonzáles, Gayubo, and Torres, 1999:356 (Spain: Valladolid: Viana de Cega); Gayubo, González, and Torres, 2000:187 (Spain: Salamanca Province); K. Schmidt, 2000:76 (in revision of Western Palearctic *Cerceris*); Dollfuss, 2018:1158 (Spain: Areos, 10 km north of Cadiz); Cross, Baldock, and Wood, 2021:66 (in catalog of Sphecidae *sensu lato* of Portugal); Dollfuss, 2021c:612 (Spain: locality records).

Cerceris boscae Giner Marí, 1941a:70, ♀. Syntypes: ♀, Spain: Huesca Province: Benasque (MNCN). Synonymized with *Cerceris quinquefasciata consobrina* by de Beaumont, 1952a:64. – Dusmet y Alonso, 1935:100 (Spain: Benasque; nomen nudum). – Giner Marí, 1943a:104 (in Sphecid Fauna of Spain); Ceballos, 1956:366 (in catalog of Hymenoptera of Spain). – **As *Cerceris quinquefasciata boscae***: Diniz, 1966:7 (new status, Portugal: Rezende).

ssp. *seoulensis* Tsuneki

Cerceris quinquefasciata seoulensis Tsuneki, 1961c:44, ♀, ♂. Holotype: ♀, Korea: Seoul (originally K. Tsuneki coll., now USNM). – Tsuneki, 1961c:12, 18 (in key to *Cerceris* of northeastern Asia), 57 (China: Heilungkiang: Harbin), 1967e:2 (China: Heilungkiang); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Kazenas, 1979d:80 (Russia: Primorskiy Kray; diagnostic characters), 85, 88 (in key to *Cerceris* of Russian Far East); Tsuneki, 1982b:18 (known from Korea, as *cinquefasciata seoulensis*); Paik, 1985:203 (in list of Sphecidae of Korea); Nuhn and Menke, 1994:26 (holotype transferred to USNM); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:473 (in key to Sphecidae of Russian Far East); Wu and Zhou, 1996a:181 (in revision in Economic Insect Fauna of China); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Nemkov, 2009b:151 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia), 2012c:448 (in catalog of Crabronidae of Russian Far East); J.-K. Kim, 2014:448 (in catalog of Sphecidae *sensu lato* of Korean Peninsula); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia).

652. *radjamandalae* van der Vecht

Cerceris radjamandalae van der Vecht, 1964:366, ♀, ♂. Holotype: ♀, Indonesia: Java: Radjamandala (RMNH). – R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae).

653. *raptor* F. Smith

Cerceris raptor F. Smith, 1856:449, ♀. Lectotype: ♀, "West Africa: Whydah" (BMNH), designated by Empey, 1983:184 (Article 74.6). – Schletterer, 1887:500 (in checklist of world *Cerceris*); Dalla Torre, 1897:473 (in catalog of world Hymenoptera); Arnold, 1931:139 (in key to Afrotropical *Cerceris*), 186 (in revision of southern African *Cerceris*); Empey, 1969a:320 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae): Empey, 1983:184 (bibliographic reference, type examined).

Cerceris raptirx W. Schulz, 1906:195. Unjustified emendation of *Cerceris raptor* F. Smith.

654. *rasoherinae* Arnold

Cerceris rasoherinae Arnold, 1945:29, ♀, ♂ (as *Rasoherinae*, incorrect original capitalization). Lectotype: ♀, Madagascar: Bekily (MNHN), designated by Empey, 1983:184. – Empey, 1969a:320 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Empey, 1983:184 (bibliographic reference, type examined); Pulawski, 2003b:799 (in checklist of Malagasy Sphecidae); Madl, 2014a:1003 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records).

Cerceris rasoherinae var. *debilis* Arnold, 1945:30, ♀, ♂. Lectotype: ♀, Madagascar: Bekily (MNHN), designated by Empey, 1983:185. Synonymized with *Cerceris rasoherinae* by Empey, 1983:202. – **As *Cerceris rasoherinae debilis***: Empey, 1969a:320 (new status, in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Empey, 1983:184 (bibliographic reference, type examined).

655. *raymenti* R. Turner

Cerceris raymenti R. Turner, 1936:537, ♀. Holotype: ♀, Australia: Victoria: Island of Gunpower: Murray River (BMNH). – Tsuneki, 1968e:4 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Evans, 1982a:338 (in revision of Eastern Australian *Cerceris*); Cardale, 1985:301 (in catalog of Australian Sphecidae).

656. *reginula* Brauns

Cerceris reginula Brauns, 1926:304, ♀, ♂. Lectotype: ♀, South Africa: Eastern Cape Province: Willowmore (TMP), designated by Empey, 1983:185. – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:141, 148 (in key to Afrotropical *Cerceris*); Empey, 1969a:320 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Empey, 1983:185 (bibliographic reference, type examined); Hancock, Chahwanda, and Mhlanga, 1995:38 (paralectotype in Bulawayo Museum); Dollfuss, 2020a:103 (Kenya: Voi; Namibia: Rundu; South Africa: KwaZulu-Natal: southwest of Emanguisi).

657. *reicula* Krombein

Cerceris reicula Krombein, 1969b:20, ♀. Holotype: ♀, Papua New Guinea: Western Highlands Province: Eliptamin Valley (Bishop Mus.). – Krombein, 1974a:466 (additional locality records, color variation); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae).

658. *rejecta* R. Turner

Cerceris rejecta R. Turner, 1917e:177, ♀. Holotype: ♀, India: Bihar: Chapra (BMNH). – R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae).

659. *renominata* R. Turner

Cerceris opulenta R. Turner, 1912e:809, ♀, junior primary homonym of *Cerceris opulenta* Morice, 1911. Holotype or syntypes: ♀, Pakistan: Sindh: Shadipali (BMNH). – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897).

Cerceris renominata R. Turner, 1917e:178. Substitute name for *Cerceris opulenta* R. Turner, 1912. – R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae)

660. *repraesentans* R. Turner

Cerceris repraesentans R. Turner, 1919d:49, ♀. Lectotype: ♀, Kenya: Masai Reserve (BMNH), designated by Empey, 1983:185 (Article 74.6). – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae, as *representans*), 1931:137 (in key to Afrotropical *Cerceris*), 183 (original description copied); Empey, 1969a:320 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Empey, 1983:185 (bibliographic reference, type examined).

661. *reversa* F. Smith

Cerceris reversa F. Smith, 1873b:105, ♂ (as *reversus*, incorrect original termination). Holotype or syntypes: ♂, Brazil: Pará: Pará, now Belém (BMNH). – Schletterer, 1887:500 (in checklist of world *Cerceris*); Dalla Torre, 1897:473 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

662. *rhinoceros* Kohl

Cerceris rhinoceros Kohl, 1888a:137, ♀, ♂. Syntypes: Syria: no specific locality (TMB). – Ed. André, 1889:299 (in revision of Sphecidae of Europe and Algeria); Schletterer, 1889a:882 (original description copied); Ed. André, 1891:25* (bibliographic references); Dalla Torre, 1897:473 (in catalog of world Hymenoptera); de Beaumont, 1951f:391 (Egypt: Alexandria; diagnostic characters), 1967a:293 (Turkey); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); K. Schmidt, 2000:188 (in revision of Western Palearctic *Cerceris*); Ljubomirov and Yildirim, 2008:149 (in catalog of Crabronidae of Turkey); Roche, 2007a:137 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Murai and Amr, 2011:118 (recorded from Syria by Kohl, 1888); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:140 (in checklist of Hymenoptera of Turkey); Dollfuss\, 2018:1158 (locality records from Israel and Turkey), 2021:612 (Israel: 2.2 km northwest of Mizpe Yeriho at 31°50'07"N 35°22'41"E; Turkey: Mut); Kaplan and Yildirim, 2021:97 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:34 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

663. *rhodesiae* Brauns

Cerceris rhodesiae Brauns, 1926:330, ♀, ♂. Lectotype: Zimbabwe: Salisbury, now Harare (TMP), designated by Empey, 1983:185. – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:138, 146 (in key to Afrotropical *Cerceris*), 1951:108 (Ethiopia: Haramaia); Empey, 1969a:320 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Empey, 1983:185 (bibliographic reference, type examined); Dollfuss, 2020a:103 (Zambia: 20 km south of Mbala at 8°59'S 31°23'E).

664. *rhodesiensis* Empey

As Cerceris heterospila: Arnold, 1942:11, corrected to *Cerceris rhodesiensis* by Empey, 1971b:259.

Cerceris rhodesiensis Empey, 1971b:259, ♀, ♂. Holotype: ♀, Zimbabwe: Matetsi (originally Bulawyo Mus., now SAM). – R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Empey, 1983:185 (bibliographic reference, type examined); Hancock, Chahwanda, and Mhlanga, 1995:38 (paratypes in Bulawayo Museum).

665. *rhois* Rohwer

Cerceris rhois Rohwer, 1908e:325, ♂. Holotype or syntypes: ♂, USA: New Mexico: Rio Ruidoso in White Mountains (USNM). – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010 (in catalog of North American Hymenoptera); Scullen, 1965b:503 (in revision of North American *Cerceris*); Tsuneki, 1965d:3 (prey record summary: Curculionidae); R. Bohart and Menke, 176:586 (in checklist of world Sphecidae); Krombein, 1979b:1736 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:492 (in annotated list of North American and Caribbean *Cerceris*); Weissmann and Kondratieff, 1999:78 (Colorado: Great Sand Dunes National Monument).

666. *rigida* F. Smith

Cerceris rigida F. Smith, 1856:449, ♂. Lectotype: ♂, South Africa: KwaZulu-Natal: Port Natal, now Durban (BMNH), designated by Empey, 1983:185 (Article 74.6). – Schletterer, 1887:500 (in checklist of world *Cerceris*); Dalla Torre, 1897:473 (in catalog of world Hymenoptera); Arnold, 1931:192 (original description copied, additional notes); Empey, 1969a:320 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Empey, 1983:285 (bibliographic reference, type examined).

Cerceris charimorpha Brauns, 1926:322, ♀. Holotype: ♀, Mozambique: Dondo (TMP). Paratype: South Africa: KwaZulu-Natal: Durban (TMP). Synonymized with *Cerceris rigida* by Empey, 1969a:320. – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:140 (in key to Afrotropical *Cerceris*); Empey, 1983:185 (unnecessary designation of lectotype).

667. *rixosa* F. Smith

Cerceris rixosa F. Smith, 1856:460, ♀. Holotype or syntypes: ♀, Brazil: Amazonas: Villa Nova, now Parintins (BMNH). – Schletterer, 1887:500 (in checklist of world *Cerceris*); Dalla Torre, 1897:473 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

668. *rohweri* G. Ferguson

Cerceris rohweri G.Ferguson, 1983c:238, ♀, ♂. Holotype: ♀, Mexico: San Luis Potosí: 17 mi. northeast of San Luis Potosí (USNM). – G. Ferguson, 1984c:492 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

As *Cerceris gondarai* (corrected to *Cerceris rohweri* by G. Ferguson, 1983c:238): Scullen, 1968a:156 (Texas, as *gandari*), 1972:82 (in revision of Mexican and Central American *Cerceris*, as *gandari*); Amarante, 2005a:13 (correction to his 2002 catalog).

669. *ropalidioides* Evans

Cerceris ropalidioides Evans, 1982a:336, ♀. Holotype: ♀, Australia: Queensland: Mount Molloy near Mossman (ANIC). – Cardale, 1985:301 (in catalog of Australian Sphecidae).

670. *rossica* Shestakov

Cerceris rossica Shestakov, 1914b:409, ♀, ♂. Syntypes: Kazakhstan: Island of Nikolai in Aral Lake (ZIN). – Shestakov, 1914b:408 (Kazakhstan: Island of Nikolai in Aral Lake), 1917c:48 (Ukraine: Crimea: Evpatorya), 1918a:148 (Kazakhstan), 1927a:19 (Russia: Stalingrad Oblast', now Volgograd Oblast'); Kolosov, 1931:94 (incorrectly regarded as junior synonym of *Cerceris fodiens*); Kazenas, 1972b:129 (Kazakhstan), 1974b:109 (feeding on flowers of *Tamarix* sp., Tamaricaceae, and *Statice gmelini* Willd., Plumbaginaceae, in Kazakhstan); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Kazenas, 1978b:60, 67 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1978:192, 196 (in key to Sphecidae of European part of USSR); Kazenas, 1984a:157 (in revision of *Cerceris* of Kazakhstan and Central Asia); Esenbekova and Kazenas, 2000:78 (southeastern Kazakhstan: Borandysu, 35-60 km east of Chilik);

K. Schmidt, 2000:76 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:58 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:113, 117 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:150 (geographic distribution, collecting localities in Kazakhstan), 2004d:37 (Kazakhstan: Inder); Shkuratov, 2004a:74 (Russia: Rostov Oblast': Byrguta); Shorenko, 2009:369 (in list of Sphecidae *sensu lato* of Crimea); Shorenko and Konovalov, 2010:29 (Ukraine: Dnepropetrovsk Oblast': Ingulets); Kazenas, 2013b:500 (southeastern Kazakhstan: 30-60 km east of Chilik, Sortogay on Sharyn River); Protsenko, Fateryga, and Ivanov, 2014:36 (Crimea: Razdol'noye District: Kropotkino and Portovoye); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia); Shorenko, 2017:81 (in Crimea collected in July and August); Dollfuss, 2018:1158 (Kazakhstan: 50 km south of Lake Balkhash and 70 km northwest of Kapchagay); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); Dollfuss, 2021c:612 (Iran, Kazakhstan, and Mongolia: locality records; Malash, Edmardash, and Gadallah, 2022:35 (in catalog of Middle Eastern and North African Philanthinae: Iran).

671. *rostrifera* Brauns

Cerceris rostrifera Brauns, 1926:335, ♀. Holotype: ♀, South Africa: Eastern Cape Privince: Sundays River (TMP). – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:138 (in key to Afrotropical *Cerceris*), 1942:24 (female head illustrated); Empey, 1969a:320 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Empey, 1983:185 (bibliographic reference, type examined).

672. *rothi* Giner Marí

Cerceris rothi Giner Marí, 1942b:132, ♀. Holotype: ♀, China: Kuatun (Mus. A. Koenig, Bonn). – R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Lampe, Rohwedder, Ingrisch, and Rach, 2010:124 (type material in Mus. A. Koenig, Bonn).

673. *rothneyi* Cameron

Cerceris rothneyi Cameron, 1890b:251, ♀ (as *Rothneyi*, incorrect original capitalization). Lectotype: ♀, India: West Bengal: Barrackpore (OXUM), designated by Empey, 1984:79 (Article 74.6). – Cameron, 1890:250 (India: Barrackpore); Bingham, 1897:300 (in key to *Cerceris* of British India), 302 (in revision of *Cerceris* of British India); Dalla Torre, 1897:473 (in catalog of world Hymenoptera); Rothney, 1903:105 (India: West Bengal: Barrackpore); R. Turner, 1912e:508 (in revision of *Cerceris* of Indian subcontinent); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Empey, 1984:79 (in checklist of Oriental *Cerceris* described by Cameron); Kazenas, 2001b:58 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:111 (in key to *Cerceris* of Kazakhstan and Central Asia); Dollfuss, 2018:115 (Turkmenistan: 15 km north of Ashkhabad), 2021c:612 (Tajikistan and Turkmenistan: locality records); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

Cerceris supposita Kohl, 1916:122, ♂. Syntypes: Turkmenistan: Seraks (Kraków). Synonymized with *Cerceris rothneyi* by Kazenas, 2000a:49. – R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Kazenas, 1978b:58 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:79 (in revision of *Cerceris* of Kazakhstan and Central Asia), 1992c:29 (Turkmenistan: Repetek Nature Reserve); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve).

674. *rozeni* Scullen

Cerceris rozeni Scullen, 1971:130, ♀. Holotype: ♀, Florida: Highlands County: Archbold Biological Station (AMNH). – R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Krombein, 1979b:1736 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:492 (in annotated list of North American and Caribbean *Cerceris*); Deyrup and Eisner, 2003:522 (a Floridian, red-marked species).

675. *rubida* (Jurine)

Philanthus rubidus Jurine, 1807:202 and pl. 10, Fig. 23, ♀. Holotype: ♀, Europe: no specific locality, perhaps France or Italy (MHNG). – Frei-Gessner, Kohl, and Kriechbaumer, 1882:393 (Jurine's name is valid). – **As *Cerceris rubida***: A. Costa, 1867c:154 (new generic assignment, in revision of Italian Sphecidae); Radoszkowski, 1870:104 (addition to Kirchner's catalog, 1867); A. Costa, 1871b:83 (in revision of Italian Sphecidae), 1872a:19 (Italy: in revision of Sphecidae of Kingdom of Naples); Schletterer, 1887:418 (in revision of Palearctic *Cerceris*; incorrectly regarded *argentifrons* as synonym of *rubida*), 500 (in checklist of world *Cerceris*); Ed. André, 1889:263, 268, 322 (in revision of Sphecidae of Europe and Algeria); Gasperini, 1889:69 (Dalmatia: Spalato, now Croatia: Split); Schletterer, 1889a:901 (locality records), 902 (may be the species illustrated by Savigny, 1817, pl. X, Fig. 4); Steck, 1890:169, 171 (in key to *Cerceris* of Switzerland); Ed. André, 1891:26* (bibliographic references); F. Morawitz, 1891a:217 (Russia: Astrakhan' Governorate); Kohl, 1893a:34 (Austria: Niederösterreich: Arnsforf); Radoszkowski, 1893a:66 (Turkmenistan); Baldini, 1894:58 (Italy: Modena area; as var. *albonotata*); Krieger, 1894:12 (Germany: occurring in Kingdom of Saxony according to von Kiesenwetter, 1849); Dalla Torre, 1897:473 (in catalog of world Hymenoptera); Mocsáry, 1897:80 (Kingdom of Hungary, some localities are in today's Croatia, Romania, and Slovakia); Antiga and Bofill, 1904:20 (Spain: Cataluña Province); W. Schulz, 1904b:93 (Greece: Corfu; Kazakhstan: Semipalatinsk (now Semey), Zaisan); Móczár and Henter, 1907:205 (Hungary: Tiszaalpár); Schmiedeknecht, 1907:240, 242 (in key to Hymenoptera of Central Europe); de Gaulle, 1908:104 (in catalog of French Hymenoptera); Haupt, 1913:50 (Germany: Sachsen-Anhalt: Dübener Heide in Halle area); Kohl, 1913b:15 (Russia: Voronezh Oblast': Valuyki at 50°14'N 38°08'E); Mercet, 1914:445 (recorded from Spain); Szilády, 1914:89 (Hungary: Hadrév, Nagyenyed); Kohl, 1916:121 (specimens in O. Radoszkowski collection, Kraków); Shestakov, 1916:234 (Caucasus: many localities), 1917c:49 (Ukraine: Crimea), 1918a:148 (Kazakhstan, Transcaspia); Maidl, 1922:68 (Dalmatia); Shestakov, 1922:82 (Russia: Stavropol' area); Berland, 1925d:62 (in Sphecid Fauna of France); Grandi, 1926:284 (nesting habits; as var. *julii*), 288 (description of larva); Shestakov, 1927a:10 (Ukraine: Odessa Oblast'), 11 (Ukraine: Kherson and Nikolayev oblast's), 17 (Russia: Orenburg Oblast'), 19 (Stalingrad Oblast', now Volgograd Oblast'), 20 (Russia: Ural'sk Oblast', now Kazakhstan: Oral Oblast'); Vorontsovskiy, 1928:44 (Russia: vicinity of Orenburg); Schmiedeknecht, 1930:701, 703 (in keys to Hymenoptera of North and Central Europe); Vorontsovskiy, 1930:65 (Russia: Orenburg Oblast'); Aptel, 1931:223 (list of prey); Giner Marí, 1934:131 (Spain; as *Cerceris rubida* var. *julii*); Giordani Soika, 1932a:21 (Italy: Lido di Venezia); Giner Marí, 1934:131 (Spain); Gussakovskij, 1934a:13 (China: Nei Mongol and Kansu provinces), 1935:445 (Tajikistan: Kulab area, Sary Chashma); Kolosov, 1937:219 (Ukraine: Kupyansk); Zavadil, Šustera, and Bat'a, 1937:210 (in catalog of Sphecidae of Czechoslovakia); Kuntze and Noskiewicz, 1938:378 (in Poland known only from Podole region, now Ukraine); Móczár, 1938c:81 (Hungary: Kőszeg Hills), 1939:5 (Hungary: Jászberény); Deleurance, 1941:277 (France: Camargue; communal nesting, prey: *Olibrus* sp., a phalacrid beetle); Giner Marí, 1941a:33 (in revision of Spanish *Cerceris*), 1943a:96 (in Sphecid Fauna of Spain); Guiglia, 1943d:92 (Albania: Scutari); Grandi, 1944:64 (nest sharing by females); Guiglia, 1944b:15 (Italy); Deleurance, 1946b:62 (prey, mainly Phalacridae), 67 (France: Bouche-du-Rhône: Camargue: Bois des Rièges); Balthasar, 1948:143 (Slovakia: Halemba); Šnoflák *in* Zavadil and Šnoflák, 1948:85, 90, 93, 96 (in key to Sphecidae of Czechoslovakia); de Beaumont, 1952a:55 (in revision of *Cerceris* of France), 1954e:87 (Italy); Grandi, 1954:161 (nesting habits, list of prey), 237 (Italy; also var. *albonotata*); Hertzog, 1954:100 (France: Bouches-du-Rhône: Camargue); Vogrin, 1955:33 (Yugoslavia); Bytinski-Salz, 1956:225 (Turkey: Fethiye, Kasaba); Ceballos, 1956:371 (in catalog of Hymenoptera of Spain); Hertzog, 1956:182 (carrying prey venter up, keeping it with mandibles by one of forelegs); Bajári, 1957a:30, 39 (in key to Hungarian Sphecidae); de Beaumont, 1957b:133 (northern Iran); Grandi, 1957:388 (Italy); de Beaumont, 1958d:273 (Greece); Pulawski, 1958a:166 (Bulgaria: Aitos, Nesebar, Sandanski, Sozopol, Varna); de Beaumont, 1959a:14 (Italy); Scobiola-Palade, 1959:496 (Romania: Constanța Region: Agigea,

Techirghiol); de Beaumont, 1960a:7 (Greece: Island of Rhodes); Noskiewicz and Puławski, 1960:74, 78 (in key to Polish Sphecidae, not yet found in Poland); de Beaumont, 1961e:3 (Iraq); Grandi, 1961:174 (nesting habits), 490 (description of larva); Tsuneki, 1961c:8, 14 (in key to *Cerceris* of northeastern Asia), 49 (China: Pekin, now Beijing), 55 (China: Heilungkiang: Harbin), 65 (China: Nei Mongol: Apaka ca. 45°N 116°E); Grandi, 1962:98 (Italy); Evans, 1964b:278 (discussion of Grandi, 1961 description of larva); de Beaumont, 1965a:20 (Greece); Isensee, Lesemann, and Röseler, 1965:612 *(*Spain: Gerona: no specific locality); Tsuneki, 1965d:3, 4 (prey record summary: Curculionidae, Bruchidae, Chrysomelidae, Phalacridae, Nitidulidae); Balthasar, Hrubant, and Hrubant, 1967:174 (Bulgaria: Slanchev Bryag near Nessebar); de Beaumont, 1967a:286 (Turkey); Scobiola-Palade, 1967a:161 (Romania: Constanţa District: Bugeac, Canaraua Fetei), 1967b:40 (Romania); Tsuneki, 1967e:2 (China: Heilungkiang); Benedek, 1968:71 (Hungary, floral records); Scobiola-Palade, 1968b:141 (Romania: Island of Letea in delta of Danube), 1968c:383 (Romania: Budeşti, Măgurele, Odaia, Turnu); Zangheri, 1969:1701 (Italy: in catalog of flora and fauna of Romagna Region); Kazenas, 1971:161 (Kazakhstan: Zailiyskiy Alatau Range; widely distributed in Kazakhstan); Scobiola-Palade, 1971:204 (in review of *Cerceris* of Romania); Tsuneki, 1971m:16 (China: Pekin, now Beijing; Nei Mongol: Apaka); Balthasar, 1972:405 (in Sphecid Fauna of Czechoslovakia); Kazenas, 1972b:129 (Kazakhstan); Scobiola-Palade, 1972a:149 (Romania: delta of Danube: Caraorman); Fain, 1973:181 (parasite: *Crabrovidia leclercqi* Fain, a saproglyphid mite); Erlandsson, 1974:63 (Italy, Yugoslavia); Kazenas, 1974b:109 (feeding on flowers of *Tamarix* sp.,Tamaricaceae, *Statice gmelini* Willd., Plumbaginaceae, and *Cynanchum sibiricum* Willd., Asclepiadaceae, in Kazakhstan), 110 (feeding on flowers of *Euphorbia* spp., Euphorbiaceae, *Daucus carota* L., Apiaceae, and *Silaum besseri* L., Apiaceae, in Kazakhstan), 111 (feeding on flowers of *Thymus marschallianus* Willd., Lamiaceae, *Achillea millefolium* L., Asteraceae, *Lepidium crassifolium* W. et K., Brassicaceae, and *Barbarea vulgaris* R. Br., Brassicaceae, in Kazakhstan), 112 (feeding on flowers of *Apocynum lancifolium* Russ., Apocynaceae, in Kazakhstan); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Georghiou, 1977:189 (Cyprus); Kolesnikov, 1977:317 (Russia: Bryansk Oblast'); Guichard, 1978:270 (Greece); Kazenas, 1978b:59 (in key to Sphecidae of Kazakhstan and Central Asia); Marion, 1978:86 (France: Pyrénées-Orientales); Pulawski, 1978:192 (in key to Sphecidae of European part of USSR); Benedek, 1979:229 (Hungary: Bakony Hills); Kazenas, 1979d:81, 86 (in key to *Cerceris* of Russian Far East); Pagliano, 1980:125 (Italy: Umbria); Dollfuss, 1983b:25 (in catalog of Sphecidae of Austria: Niederösterreich: Arnsdorf); Islamov and Kazenas, 1983:45 (Uzbekistan; prey: a halticine *Chaetocnemis hortensis* Cff.); Schmidt and Westrich, 1983:125 (Greece); Kazenas, 1984a:85 (in revision of *Cerceris* of Kazakhstan and Central Asia); Józan, 1985b:62 (Hungary: Pécs: Cserkút), 82 (floral records), 85 (ecological and zoogeographic characteristics); Scobiola-Palade, 1985:96 (Romania: delta of Danube); Islamov, 1986:518 (Uzbekistan: Tashkent Oblast'); Józan, 1986:375 (Hungary: Kiskunság National Park); Piek and Spanjer, 1986:182 (in list of Sphecidae with known prey); Steiner, 1986:114 (references to publications on nesting habits); Pagliano, 1987:162 and 165 (in key to *Cerceris* of Italy), 1988:157 (in revision of Italian Philanthinae); Pádr *in* Šedivy, 1989a:166 (in checklist of Czechoslovakian Sphecidae); Scobiola-Palade, 1989:87 (Romania: delta of Danube); Pagliano, 1990:99 (in catalog of Italian Sphecidae); Chinin, 1991:111 (Russia: Samara Oblast'); Dollfuss, 1991:222 (in key to Sphecidae of North and Central Europe); Gayubo, Borsato, and Osella, 1991:422 (Italy); Negrisolo, 1991:324 (Italy: Udine and Venezia provinces); Gayubo, Borsato, and Osella, 1992:292 (France, Greece, Turkey); Gayubo and Borsato, 1994:224 (Italy: Sardegna); Gorobchishin, 1995:19 (Ukraine: Kanev Nature Reserve); Józan, 1995:106 (Hungary: projected Duna-Dráva National Park); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:470, 474 (in key to Sphecidae of Russian Far East); Negrisolo, 1995a:22 (Italy: Veneto); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Pagliano and Pesarini, 1995:92 (Italy: Ferrara Province); Scharrer, 1995:30 (Croatia: Island of Krk; Hungary: Budapest area, Siófok; Italy: Cattolica); Gorobchishin, 1996:53 (Ukraine: Kanev Nature Reserve); Minoranskiy and Shkuratov, 1996:81 (Russia: Rostov Oblast'); Voblenko, Gorobchishin, and Nesterov, 1996:15 (Ukraine:

Polesye Region); Wu and Zhou, 1996a:177 (in revision in Economic Insect Fauna of China); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:356 (in Sphecid Fauna of Western Europe); Gorobchishin, 1998a:50 (Ukraine: Kiev and surroundings); Józan, 1998:312 (Hungary: Duna-Dráva National Park); Burunbetova, 1999:236 (nesting habits in Kazakhstan); Pagliano and Scaramozzino, 1999:160 (Italy: Piemonte: Borgomale); Esenbekova and Kazenas, 2000:78 (southeastern Kazakhstan: twelve localities); Giachino, Grosso, Marchetti, Pagliano, Scaramozzino, and Vailati, 2000:110 (Greece); Józan, 2000:114 (Hungary: Bakony Mountains); Ljubomirov, 2000:6, 14 (Bulgaria, specimens in N. Nedelkov collection); Melo, 2000:100 (possible female associations for use of natal nest); K. Schmidt, 2000:128 (in revision of Western Palearctic *Cerceris*); Shkuratov, 2000:56 (Russia: Rostov Oblast': Vëshenskaya village area at 49°37'N 41°45'E); Vicidomini, 2000b:23 (Italy: previously recorded from Campania); Józan, 2001:281 (Hungary: Somogy County); Kazenas, 2001b:58 (in checklist of Sphecidae of Kazakhstan and Central Asia), 253 (review of known biology); Kazenas and Esenbekova, 2001:136 (Kazakhstan: Almatinskiy Nature Reserve); Shkuratov, 2001:17 (prey: *Psylloides cyanoptera* Ill., a chrysomelid, *Melighetes brachialis* Fr. ?, a nitidulid, and *Spermophagus sericeus* Jeoffr., a bruchid); Józan, 2002:54 (Hungary: Mecsek Mountains); Kazenas, 2002a:150 (geographic distribution, collecting localities in Kazakhstan); Shkuratov, 2002b:139 (Russia: Rostov Oblast': Rostovskiy Nature Reserve at 46°27'N 42°41'E); Jacobi, 2003:19 (detailed observations on nesting habits in Corsica, France); Protsenko, 2003:68, 69 (Ukraine: Odessa Oblast': Island of Malyi Tataru in Danube delta at 45.21°N 29.00°E); Gorobchishin, 2004:34 (Ukraine: Zaporiz'ka Oblast': Obitichna Kosa Nature Reserve); Kazenas, 2004b:113 (Kazakhstan: western Tien Shan), 2004d:37 (Kazakhstan: northern Caspian area); Shkuratov, 2004a:74 (Russia: Rostov Oblast'), 2004b:165 (Russia: Rostov Oblast': Gosudarstvennyi Muzey-Zapovednik M.A. Sholokhova); Jacobs, 2005a:441 (Bulgaria); Pagliano and Negrisolo, 2005:345 (in Sphecid Fauna of Italy); Shorenko, 2005a:169 (Ukraine: Crimea), 2005b:99 (Ukraine: Crimea: Karadagh Nature Reserve); Straka, 2005a:397 (critically endangered in Czech Republic); Yildirim and Ljubomirov, 2005:1804 (Turkey: Artvin, Balıkesir, Bilecik, Erzincan, Erzurum, Iğdır, Kars, and Konya provinces); Gorobchishin, 2006:146 (Ukraine: Cherkasy Oblast': Kaniv Nature Reserve; Kyiv Oblast': village Khotov, Kyiv; Poltava Oblast': village Matviivka, Poltava); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Ljubomirov, 2006:538 (Greece: record from Rhodope Mountains by Schmidt and Westrich, 1983 cited, as *rubida rubida*); Polidori, Federici, Papadia, and Andrietti, 2006:55 (nest sharing and provisioning activity); Standfuss and Standfuss, 2006b:100 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Kazenas, 2007a:94 (Kazakhstan: Akmala Oblast': Kurgandzhin Nature Reserve and vicinity); Vepřek and Straka, 2007:210 (in catalog of Sphecidae of Czech Republic and Slovakia, known only from Moravia and Slovakia), 234 (Schmidt's 2000 record from Czech Republic was not supported by evidence; first record from Czech Republic: Moravia: Čejč); Danilov, 2008:351 (Russia: Altayskiy Kray: Barnaul area); Danilov and Tshernyshev, 2008:44 (Russia: Novosibirsk Oblast': Karasuk area); Kazenas, 2008b:115 (Kazakhstan: foothills of Zailiskiy Alatau: found among others on loess cliffs), 2008c:255 (Kazakhstan: village Koktum south of Lake Alakol'); Ljubomirov and Yildirim, 2008:150 (in catalog of Crabronidae of Turkey); Nemkov, 2008b:26 (in catalog of Crabronidae of Asiatic Russia); Guéorguiev and Ljubomirov, 2009:263 (Bulgaria: Maleshevska Planina); Nemkov, 2009b:151 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia); Pagliano, 2009:183 (Italy: recorded from Puglia by Costa, 1860); Shorenko, 2009:369 (in list of Sphecidae *sensu lato* of Crimea); Bitsch, 2010:118 (in supplement to vol. II of Faune de France, 1997: observations on nesting habits by Jacobi, 2003, and Polidori et al., 2006, reported); Polidori, Gobbi, Chatenoud, Santoro, Montani, and Andrietti, 2010:544 (taxon-biased diet preference); Rudoiskatel', 2010:148 (Russia: southern Ural Mountains); Shorenko and Konovalov, 2010:29 (Ukraine: many localities); Baghirov, 2011b:155 (Russia: recorded from Altay by Nemkov *in* Nemkov, Kazenas, Budrys, and Antropov, 1995); Boesi and Polidori, 2011:1 (females are highly cooperative toward nest mates, and higly aggressive toward non-nest mates); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Murai and Amr, 2011:113, 118 (first record from Syria: Al

Thawrah Nature Reserve at 35°51'N 28°38'E); Protsenko and Drozdovskaya, 2011:91 (Ukraine: Mikolaiv Oblast': Bugskiy Guard National Park); Kazenas, 2012b:170 (Kazakhstan: Korgalzhin State Nature Reserve); Nemkov, 2012c:448 (in catalog of Crabronidae of Russian Far East); Polidori, García, and Nieves-Aldrey, 2012:280 (study of female antennal sensillae); Prisniy, 2012:53 (Russia: Belgorod Oblast'); Strumia, Pagliano, and Gayubo, 2012:56 (Italy: Toscana: Riserva di San Rossore); Yildirim, 2012:78 (Turkey: Erzurum and Iğdır provinces, as *rubida ruida*); Giovanetti and Jacobi, 2013:1 (influence of temperature and body size on female activities); Kazenas, 2013a:152 (color photograph of adult wasp, short information on geographic distribution and nesting habits), 2013b:500 (southeastern Kazakhstan: almost everywhere in Ili River valley); X. Li, L. Ma, and Q. Li, 2013:592 (China: Nei Mongol: Helan Mountains); Dunford, Turbyville, and Leavengood, 2014:9 (listed as medically important in Afghanistan); Kazenas, 2014a:139 (Kazakhstan: Karatau Mountain Range); J.-K. Kim, 2014:449 (in catalog of Sphecidae *sensu lato* of Korean Peninsula); Protsenko, Fateryga, and Ivanov, 2014:36 (Crimea: many localities); Schmitt, Wurdack, Feldhaar, Liebig, and Polidori, 2014:167 (eusocial species; individuals from one nest share similar cuticular hydrocarbon and can recognize each other); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces, as *rubida rubida*); Koçak and Kemal, 2015:141 (in checklist of Hymenoptera of Turkey); Rezaei and Fallahzadeh, 2015:13 (Iran: Fars: Dasht e Arzhan at 29°38′N 51°58′E, as *rubida rubida*); P. Rosa and Pagliano, 2015:99 (Italy: Lombardia and Piemonte: Parco del Ticino); Mokrousov and Popov, 2016:592 (Russia: Krasnodarskiy Kray); Sadeghi, Fallahzadeh, Ostovan, Ljubomirov, and Hesami, 2016:431 (Iran: Fars Province, as *rubida rubida*); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:24 (Turkey: Antalya, Erzurum, and Tunceli provinces, as *rubida rubida*); Arens, 2017a:642 (Greece: Peloponnesus); Augul, 2017:198 (in key to four *Cerceris* collected in Iraq), 199 (Iraq: Dohuk Province; Amadiya, Sersank; Erbil Province: Rawanduz); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:79 (Iran: known from Ardabil, Fars, and Qazvin provinces); Polidori, 2017:86 (interactions with parasite *Pterella grisea* Meigen, a sarcophagid); Shorenko, 2017:81 (in Crimea collected in April through September); Dollfuss, 2018:1158 (Greece: island of Kos: near Kardamaina at 36°46'N 27°06'E); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); D. Zimmermann, Wiesbauer, Schoder, Schuh, Sehnal, and Zettel, 2018:112 (rediscovery in Austria: Niederösterreich and Wien, list of beetle prey); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:9 (Azerbaijan: Nakhichevan Autonomous Republic); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:18 (Iran: known from Ardabil, Fars, and Qazvin provinces, as *rubida rubida*); Shorenko, 2020:48 (Crimea: Karadag Nature Reserve); Dollfuss, 2021a:950 (locality records from Austria, Bulgaria, Czech Republic, France, Hungary, Italy, Kazakhstan, Serbia, Slovakia, Syria, Tajikistan, Turkey, and Turkmenistan), 2021c:612 (locality records from Bulgaria, Bosnia, Czech Republic, China, Croatia, Greece, Hungary, Iran, Italy, Kazakhstan, Kyrgyzstan, Pakistan: Hazarganji Chiltan National Park 20 km southwest of Quetta at 30°02'N 66°51'E, Russia: near Taganrog, Serbia, Slovakia, Tajikistan, Turkey, Turkmenistan, Ukraine, and Uzbekistan); Gadallah, Abu el-Ghiet, and Edmardash, 2021:1702 (first record from Saudi Arabia: Jazan Province); Kaplan and Yildirim, 2021:98 (in catalog of Crabronidae of Turkey, as *rubida rubida*); Malash, Edmardash, and Gadallah, 2022:35 (in catalog of Middle Eastern and North African Philanthinae); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:263 (in revision of Sphecidae *sensu lato* of Europe); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey, as *rubida rubida*); Gadallah and Abu El-Ghiet, 2024:90 (Saudi Arabia: Jazan Province: Damad); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

Cerceris albonotata Vander Linden, 1829:122, ♀. Holotype: ♀, Italy: Emilia-Romagna: Bologna area (Inst. Roy. Sci. Nat. Belgique, Bruxelles). Synonymized with *Cerceris rubida* by Pagliano, 1988:157. – Dahlbom, 1844:203 (in revision of Sphecidae and Pompilidae), 1845:498 (in key to world *Cerceris*); von Kiesenwetter, 1849:89 (Germany: Kingdom of Saxony: Dresden); F. Smith, 1856:440 (in catalog of Hymenoptera in

British Museum); Taschenberg, 1858:81 (in key to Sphecidae of Germany: Dresden area); Schenck, 1861:160 (Germany: Dresden, recognised by four white abdominal spots); Taschenberg, 1866:190 (in revision of Hymenoptera of Germany); A. Costa, 1867c:85 (in revision of Italian Sphecidae); Kirchner, 1867:221 (in catalog of European Hymenoptera); Schenck, 1967a:354 (known from Germany); Wierzejski, 1868:117 (Ukraine: Podole Region); A. Costa, 1869b:101 (in revision of Italian Sphecidae), 1872a:18 (Italy: in revision of Sphecidae of Kingdom of Naples); Pagliano, 2014:110 (specimens in M. Spinola collection, Torino, are *Cerceris rybyensis*), 111 (specimen in M. Spinola collection, Torino, is *Cerceris* sp.). – **As *Cerceris rubida* var. *albonotata***: Coulon, 1925:117 (new status, Italy); Morel, Nouvel, and Ribaut, 1956:337 (France: Département des Pyrénées-Orientales). – **As *Cerceris rubida albonotata***: R. Bohart and Menke, 1976:586 (new status, in checklist of world Sphecidae); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); Pagliano, 1980:125 (Italy: Veneto); Kazenas, 2001d:111 (in key to *Cerceris* of Kazakhstan and Central Asia).

Cerceris modesta F. Smith, 1856:440, ♀. Holotype or syntypes: ♀, Albania: no specific locality (BMNH). Synonymized with *Cerceris rubida* by Kohl, 1881:239 and by Frei-Gessner, Kohl, and Kriechbaumer, 1882:393. – Kirchner, 1867:221 (in catalog of European Hymenoptera).

As *Cerceris vagans* (partly): Radoszkowski, 1877:61 (Transcaspia), corrected to *Cerceris rubida* by Shestakov, 1918a:161.

As *Cerceris variabilis* (partly): Radoszkowski, 1877:63 (Transcaspia), corrected to *Cerceris rubida* by Shestakov, 1918a:161.

Cerceris julii Fabre, 1879:320, ♀ (as *Julii*, incorrect original capitalization). Syntypes: ♀, France: Var: Carpentras and Orange (MNHN). Synonymized with *Cerceris rubida* by Schletterer, 1889a:900, and by Berland, 1923a:173. –Dalla Torre, 1881:153 (original description translated into German); Fauvel, 1883:162 (original description copied); Ed. André, 1889:258, 266 (in revision of Sphecidae of Europe and Algeria), 1891:27* (bibliographic references); Medina, 1894b:262 (Spain: Calañas and Hornachuelos); Borries, 1897:53 (reference to Fabre, 1879:320); Dalla Torre, 1897:464 (in catalog of world Hymenoptera); de Gaulle, 1908:104 (in catalog of French Hymenoptera); Coulon, 1925:117 (France: Marseille). – **As *Cerceris rubida* var. *julii***: Berland, 1928b:176 (new status, add Grandi, 1926 to bibliography in Berland, 1925d); Bernard, 1935:63 (France: Var: Fréjus area); Zavadil, 1939:121 (Slovakia: Parkan); Guiglia, 1943d:92 (Albania: Scutari), 1947a:28 (Italy: Piano Maiuri); Bajári, 1956a:82 (in catalog of Hungarian *Cerceris*, with list of localities); Ceballos, 1956:371 (in catalog of Hymenoptera of Spain). – **As *Cerceris rubida julii*:** Evans, 1957b:87 (new status, discussion of larval characters).

ssp. *conjuncta* Schletterer

Cerceris conjuncta Schletterer, 1887:420, sex not stated, origin unknown (NHMW). – de Beaumont, 1947b:385 (relationship to *Cerceris rubida pumilio*, specimens from Kazakhstan: Tartugai). – **As *Cerceris rubida* var. *conjuncta***: Dalla Torre, 1897:473 (new status, in catalog of world Hymenoptera). – **As *Cerceris rubida conjuncta***: de Beaumont, 1958d:285 (the name applies to specimens from Iran and Central Asia); Derwesh, 1965:70 (Iraq: no specific locality, as *nubida conjuncta*); Scobiola-Palade, 1966b:391 (Romania: Tulcea District: Chilia Veche); de Beaumont, 1970a:397 (Afghanistan); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:17 (Iran: known from Ardabil, Golestan, and Qazvin provinces); Malash, Edmardash, and Gadallah, 2022:35 (in catalog of Middle Eastern and North African Philanthinae).

ssp. *daradi* K. Schmidt

Cerceris rubida daradi K. Schmidt, 2000:131, ♂. Holotype: ♂, Morocco: Mhamid (OÖLM). – Schwarz-Waubke, Schwarz, F. Gusenleitner, J. Gusenleitner, Malicky, Malicky-Ruzicka, and Vogtenhuber, 2003:446 (holotype in Biologiezentrum, Linz, Austria); Dollfuss, 2021c:613 (Morocco: Mhamid); Malash, Edmardash, and Gadallah, 2022:35 (in catalog of Middle Eastern and North African Philanthinae).

ssp. *pumilio* Giner Marí

Cerceris pumilio Giner Marí, 1945a:250, ♀, ♂. Syntypes: Cyprus: Limassol (MNCN). – Giner Marí, 1945a:248 (Cyprus); de Beaumont, 1947b:385 (Cyprus); Pittioni, 1950:22 (Cyprus). – **As *Cerceris rubida pumilio***: de Beaumont, 1958d:284 (new status, Cyprus); de Beaumont and Bytinski-Salz, 1959:123 (Israel; new status); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Guichard, 1991a:339 (Jordan); K. Schmidt, 2000:129 (in revision of Western Palearctic *Cerceris*); Yildirim and Ljubomirov, 2007:119 (Turkey: İçel: Aydıncık); Ljubomirov and Yildirim, 2008:149 (in catalog of Crabronidae of Turkey); Yildirim, 2012:79 (Turkey: Adana: Ceyhan: Botaş); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:17 (Iran: known from unspecified locality) ; Dollfuss, 2021 :613 (locality records from Cyprus, Croatia, Greece, Iran, Israel, Italy, Jordan, Syria, and Turkey); Kaplan and Yildirim, 2021:97 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:36 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

ssp. *turbata* Shestakov

Cerceris turbata Shestakov, 1918a:155, ♀, ♂. Syntypes: Uzbekistan: between Syr-Darya and Tashkent; and Turkmenistan: Farab (ZIN, ZMMU). – R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Kazenas, 1978b:59 (in key to Sphecidae of Kazakhstan and Central Asia). – **As *Cerceris rubida turbata***: Kazenas, 1984a:85 (new status, in revision of *Cerceris* of Kazakhstan and Central Asia); K. Schmidt, 2000:130 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001d:111 (in key to *Cerceris* of Kazakhstan and Central Asia); Dollfuss, 2021a:952 (Kyrgyzstan: Chamaldi-Sai at 41.2°N 71.8°E), 2021c:614 (locality records from Mongolia, Kazakhstan, Kyrgyzstan, Turkkey, and Turkmenistan); Malash, Edmardash, and Gadallah, 2022:36 (in catalog of Middle Eastern and North African Philanthinae: Turkey).

As *Cerceris vagans*: Radoszkowski, 1877:61 (Transcaspia) partly, corrected to *Cerceris turbata* by Shestakov, 1918a:161.

676. *rubigina* X. Li and Q. Li

Cerceris rubigina X. Li and Q. Li, 2011:152, ♀, ♂. Holotype: ♀, China: Hainan Province: city of Wanning (Yunnan Agricultural University, Kunming).

677. *rufiabdominalis* Wu and Zhou

Cerceris rufiabdominalis Wu and Zhou, 1996a:178, ♀. Holotype: ♀, China: Yunnan: Xishuangbanna (Inst. Zool., Acad. Sinica, Beijing).

678. *ruficapoides* Strand

Cerceris ruficapoides Strand, 1910a:137, ♂. Holotype: ♂, Paraguay: Asunción: Villa Morra (ZMHU). – Strand, 1927:253 (in list of species described by author); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

679. *ruficauda* Cameron

Cerceris ruficauda Cameron, 1905m:224, ♀, actually ♂ (Empey, 1983:185). Lectotype: ♀, South Africa: Western Cape Province: Stellenbosch (BMNH), designated by Empey, 1983:185 (Article 74.6). – Brauns, 1926:296 (in revision of Afrotropical *Cerceris*, description of ♂); Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:138, 146 (in key to Afrotropical *Cerceris*); Empey, 1969a:320 (in checklist of Afrotropical *Cerceris*), 1974:113 (taxonomic history); R. Bohart and Menke, 1976:586 (in checklist of world Sphe-

cidae); Gess, 1980a:86 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown), 88 (prey: criocerine chrysomelids), 1981:21 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown, nesting in disturbed clayey soils, prey: Chrysomelidae, as *ruficauda ruficauda*); Empey, 1983:185 (bibliographic reference, type examined, as *ruficauda ruficauda*); S. Gess and F. Gess, 2003:134 (South Africa: visiting flowers of *Berula erecta* (Hudson) Cov. and *Feniculum vulgare* Mill, Apiaceae, *Maytenus linearis* (L. f.) Marais, Celastraceae, and *Selago* sp., Scrophulariaceae, as *ruficauda ruficauda*); Dollfuss, 2020a:103 (locality records from Kenya: Voi; and Namibia).

Cerceris ludibunda Arnold, 1931:155, ♂. Syntypes: ♂, South Africa: Orange Free State: Harrismith (BMNH). Synonymized with *Cerceris ruficauda* by Empey, 1969a:321. – Arnold, 1931:146 (in key to Afrotropical *Cerceris*).

ssp. *lichtenburgensis* Brauns

Cerceris lichtenburgensis Brauns, 1926:291, ♀, ♂. Lectotype: ♀, South Africa: North West Province: Lichtenburg (TMP), designated by Empey, 1983:186. – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae). – **As *Cerceris ruficauda* var. *lichtenburgensis***: Arnold, 1931:149 (new status). – **As *Cerceris ruficauda lichtenburgensis***: Empey, 1969a:321 (new status, in checklist of Afrotropical *Cerceris*), 1974:114 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Empey, 1983:186 (bibliographic reference, type examined).

ssp. *pictinoda* Cameron

Cerceris pictinoda Cameron, 1908a:277, ♀, actually ♂ (Empey, 1974:114). Lectotype: ♂, Tanzania: Mount Kilimanjaro: Kibonoto (NRS), designated by Empey, 1983:186 (Article 74.6). – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:199 (original description copied); Empey, 1969a:318 (in checklist of Afrotropical *Cerceris*), 1974:114 (information on type); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Empey, 1983:186 (bibliographic reference, type examined).

Cerceris ruficauda race *barbara* Arnold, 1931:152, ♀. Holotype: ♀, Kenya: Mogorr River (BMNH). Synonymized with *Cerceris ruficauda pictinoda* by Empey, 1974:113. – **As *Cerceris ruficauda barbara***: Empey, 1969a:321 (new status, in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae), 628 (synonymy with *Cerceris ruficauda pictinoda* recorded).

ssp. *senegalensis* Empey

Cerceris ruficauda senegalensis Empey, 1974:114, ♀, ♂. Holotype: ♀, Senegal: Casamance: Santiaba Forest (Office de la Recherche Scientifique et Technique d'Outre-Mer, may be MNHN). – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae); Empey, 1983:186 (bibliographic reference, type examined).

680. *ruficeps* F. Smith

Cerceris ruficeps F. Smith, 1873b:107, ♀. Holotype or syntypes: ♀, Brazil: Amazonas: São Paulo de Olivença (BMNH). – Schletterer, 1887:501 (in checklist of world *Cerceris*); Dalla Torre, 1897:474 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

681. *ruficornis* (Fabricius)

Philanthus ruficornis Fabricius, 1793:292, sex not stated. Lectotype: ♂, Italy: no specific locality (ZMUC), designated by van der Vecht, 1961a:65. – Fabricius, 1796:137 (in Index to his Entomologia Systematica, 1793), 1804:306 (redescription); Spinola, 1806:99 (as synonym of *Cerceris interrupta*); Thunberg, 1815a:127 (diagnostic characters), 130 (redescription), 1815b:288 (diagnostic characters). – **As *Cerceris ruficornis***: van der Vecht, 1961a:65 (new generic assignment); Tsuneki, 1961c:13, 17 (in key to *Cerceris* of northeastern Asia), 44 (Korea); de Beaumont, 1964c:41 (in Sphecid Fauna of Switzerland), 1965a:21 (Greece); B. Klug, 1965:138 (Germany: Baden-Württemberg: Freiburg im Breisgau area); Tsuneki, 1965d:3 (prey record summary: Curculionidae); Benno, 1967:35 (in checklist of Sphecidae of Netherlands); de Beaumont, 1967a:287

(Turkey); Gauss, 1967:551 (Germany: Baden-Württemberg); Miczulski, 1967:189 (Poland: Felin near Lublin); Niedl and Deneš, 1967:85 (Czech Republic: Třeboň area); Scobiola-Palade, 1967b:41 (Romania); Benedek, 1968:71 (Hungary, floral records); Parré, 1968:122 (Germany: Sachsen-Anhalt: Staβfurt); Benedek, 1969a:83 (Hungary; marshy meadow); Lefeber, 1969c:233 (Netherlands: Sint-Pietersberg = Montagne Saint Pierre); Zangheri, 1969:1700 (Italy: in catalog of flora and fauna of Romagna Region); Benedek, 1970:97 (Hungary: Tapolca); Oehlke, 1970:685 (Democratic Germany); Schmidt, 1971b:27 (Germany: Rheinland-Pfalz: recorded from Mombach by Kirschbaum, 1953); Scobiola-Palade, 1971:206 (in review of *Cerceris* of Romania); Stritt, 1971a:104 (Germany: Baden-Württemberg: Karlsruhe); Kazenas, 1972b:130 (Kazakhstan); Scobiola-Palade, 1972b:252 (Romania); Kazenas, 1974:109 (feeding on flowers of *Statice gmelini* Willd., Plumbaginaceae, in Kazakhstan), 110 (feeding on flowers of *Euphorbia* spp., Euphorbiaceae, and *Silaum besseri* L., Apiaceae, in Kazakhstan); Simon Thomas, 1974:57 (Netherlands: Limburg: Tienray); Benedek, 1975:251 (Hungary: onion pollinator); Lefeber, 1975:37 (Netherlands: s'Gravenpolder); Lomholdt, 1975c:181 (in Sphecid Fauna of Fennoscandia and Denmark); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Simon Thomas, 1976:4 (France: Lot-et-Garonne: Forêt de Campet); Tsuneki, 1976d:293 (China: Heilungkiang); Hoop, 1977:73 (Germany: Schleswig-Holstein: Ihlberg near Kiel-Russee); Guichard, 1977:254 (Great Britain: Surrey); Kolesnikov, 1977:317 (Russia: Bryansk Oblast'); Kazenas, 1978b:63, 65 (in key to Sphecidae of Kazakhstan and Central Asia); Leclercq, 1978b:map 1198 (distribution in Belgium); Marion, 1978:86 (France: Nièvre Department); Pulawski, 1978:195 (in key to Sphecidae of European part of USSR); Schwammberger, 1978:416 (Germany: Württemberg); Benedek, 1979:229 (Hungary: Bakony Hills); Kazenas, 1979d:85, 88 (in key to *Cerceris* of Russian Far East); Lefeber, 1979:11 (in checklist of Sphecidae of Netherlands), 29 (Netherlands: distribution map); Radović and Krunić, 1979:unpaginated foldout (nesting in coarse sand and loose soil, foreleg structure, as *ruficorins*); Richards, 1979:402 (British Channel Islands); Schmidt, 1979b:303 (Germany: Baden-Württemberg); Dathe, 1980:208 (Russia: northern Caucasus: Teberda); Mityaev, Matesova, Kulenova, Kazenas, and Zhdanko, 1980:121 (Russia: Siberia: Altayskiy Kray: basin of Aley River); Pagliano, 1980:126 (Italy: Piemonte); Petit, 1980:44 (Belgium: Saeftinge); Richards, 1980:84, 85 (in key to Sphecidae of British Isles); Axelsson, 1982:79 (Sweden); Donath, 1982:212 (Germany: Cottbus Bezirk); Gayubo, 1982b:58 (Spain: Salamanca: Valdefuente de Sangusín); Radović, Krunić and Brajković, 1982:31 (Yugoslavia); Silvestre de Sacy, 1982:4 (France: Côte-du-Nord: Paimpol area); Tsuneki, 1982b:18 (known from Korea); Dollfuss, 1983a:76 (Austria: endangered in Niederösterreich), 77 (Austria: endangered in Burgenland,), 78 (Austria: endangered in Oberösterreich and Salzburg area), 79 (Austria: endangered in Kärnten and Steiermark), 1983b:25 (in catalog of Sphecidae of Austria); Islamov and Kazenas, 1983:45 (Uzbekistan); Józan, 1983:98 (Hungary); Chevin and Silvestre de Sacy, 1984:10 (France: Yvelines Department); Gayubo and Tormos, 1984:26 (Spain: Valencia); Janzon and Svensson, 1984:183 (Sweden: Island of Öland); Kazenas, 1984a:116 (in revision of *Cerceris* of Kazakhstan and Central Asia); Chevin and Chevin, 1985:39 (France: Aude); Józan, 1985b:62 (Hungary south of Lake Balaton), 82 (floral records), 85 (ecological and zoogeographic characteristics); Lefeber, 1985:87 (Netherlands: southern Limburg); Paik, 1985:203 (in list of Sphecidae of Korea); Radović, 1985:66 (sting apparatus analyzed); Scobiola-Palade, 1985:96 (Romania: delta of Danube); Westrich and Schmidt, 1985b:110 (Germany: endangered in Baden-Württemberg); Gayubo, 1986a:67 (Spain: Ciudad Real Province), 1986b:41 (Spain: Andalucía); Nemkov, 1986:109 (Russia: Siberia: Irkutsk Oblast'); Gayubo and Sanza, 1986:89 (Spain: Soria); Islamov, 1986:519 (Uzbekistan: Surkhandarya and Tashkent Oblast's); Józan, 1986:375 (Hungary: Kiskunság National Park); Nilsson, 1986:87 (Sweden); Skibińska, 1986b:160 (Poland: Warszawa: gardens); Vikberg, 1986:78 (Finland); Pagliano, 1987:164 and 166 (in key to *Cerceris* of Italy); Schmidt and Westrich, 1987:359 (Germany: Mainz area); Dollfuss, 1988:20, 31 (Austria: Bisamberg near Vienna; Niederösterreich: Oberweiden); Düweke, 1988:688 (Germany: Baden-Württemberg: Kaiserstuhl); Pagliano, 1988:151 (in revision of Italian Philanthinae); Riemann, 1988:222 (Germany: Bremen area); Wolf, 1988b:143 (Germany: Rheinland-Westfalen);

Jacobs, 1989:29 (Germany: Mecklenburg-Vorpommern); Józan, 1989:102 (Hungary: Tihany Nature Reserve); Scobiola-Palade, 1989:87 (Romania: delta of Danube); Gayubo, Asís, and Tormos, 1990b:80 (Spain: Léon Province); Jacobs and Oehlke, 1990:218 (new records from Democratic Germany); Kuznetzova, 1990:18 (Russia: Voronezh Oblast': Galich'ya Gora Nature Reserve); Pádr, 1990:69 (Czech Republic: Praha area); Pagliano, 1990:99 (in catalog of Italian Sphecidae); Schwammberger and Priesner, 1990:554 (Austria: Kärtnen); von der Heide and Witt, 1990:63 (Germany: Niedersachsen); Day, 1991:xiii (summary of European Endangered Hymenoptera Lists); Dollfuss, 1991:222 (in key to Sphecidae of North and Central Europe); Gayubo, Borsato, and Osella, 1991:422 (Italy); Kuhlmann et al., 1991:88 (Germany: Senne Region); van der Smissen, 1991:96 (northwestern Germany); Budrys, 1992:30 (in list of Sphecidae of Lithuania); Delarze, 1992:67 (Switzerland: Valais: Les Follatères); Józan, 1992a:230 (Hungary: Béda-Karapancsa Protected Area), 1992c:290 (Hungary: Zselic Hills); Nilsson, 1992:54 (Sweden); K. Weber, 1992:86 (Germany: Bayern: Bamberg District); Archer, 1993a:45 (Great Britain: Channel Islands); Gorobchishin, 1993:47 (Ukraine: Kanev Nature Reserve); Kuhlmann, 1993:75 (Germany: known from Westfalen); Theunert, 1994c:34 (Germany: summary of records from Niedersachsen and Bremen); Gorobchishin, 1995:19 (Ukraine: Kanev Nature Reserve); Jansen and Kaluza, 1995:7 (Germany: endangered in Sachsen); Józan, 1995:106 (Hungary: projected Duna-Dráva National Park); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:474, 478 (in key to Sphecidae of Russian Far East); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Scharrer, 1995:30 (Croatia: Malinska in Insland of Krk; Germany: Bayern: Aschaffenburg, Eckertsmühle, Karlstadt, Lohr, Mainfranken, Retzbach; Croatia: Rudina in Island of Krk); Schmid-Egger, Risch, and Niehuis, 1995:169 (Germany: summary of records from Rheinland-Pfalz); Yeo and Corbet, 1995:39 (in field guide to British solitary wasps); Gorobchishin, 1996:53 (Ukraine: Kanev Nature Reserve); Harvey and Plant, 1996:81 (Great Britain: summary of records from Essex); Jakubzik, 1996:251 (Germany: Köln); Kuhlmann, 1996:219 (Portugal: Serra de Estrela); Minoranskiy and Shkuratov, 1996:81 (Russia: Rostov Oblast'); Schmid-Egger, Schmidt, and Doczkal, 1996:376 (Germany: Baden-Württemberg: endangered); Voblenko, Gorobchishin, and Nesterov, 1996:15 (Ukraine: Polesye Region); Witt, 1996:105 (Germany: Brandenburg), 107 (locality records); Woydak, 1996:102 (Germany: Westfalen: summary of distribution and nesting habits); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:358 (in Sphecid Fauna of Western Europe); Celary, 1997:60 (in checklist of Animals of Poland); Else and Field *in* R. Edwards, 1997:92 (Great Britain and Ireland: distribution, status, habitat, flight period, prey, nesting habits, map of distribution in Great Britain by Archer and Roberts); Schmidt and Schmid-Egger, 1997:7 (in checklist of German Sphecidae); F. Burger, Saure, and Oehlke, 1998:27 (Germany: in list of Sphecidae of Brandenburg), 35 (endangered); Dollfuss, Gusenleitner, and Bregant, 1998:525 (Austria: summary of collecting records from Burgenland); Drewes, 1998:49 (Germany: Niedersachsen: Goldbeck 26 km west-southwest of Hamburg); Gorobchishin, 1998a:50 (Ukraine: Kiev and surroundings); Józan, 1998:312 (Hungary: Duna-Dráva National Park); van der Smissen, 1998:54 (Germany: Niedersachsen: Höhbeck); K. Weber, 1998:135 (Germany: Bayern: Bamberg area); Anan'eva and Kochetkov, 1999:6 (Russia: Ryazan Oblast': no specific locality); Herrmann, 1999:7 (Germany: Niedersachsen: Oldenburg area; habitats size); Kuhlmann, Wolf, and Woydak, 1999:569 (Germany: threatened with extinction in Nordrhein-Westfalen); Neumayer, Schwarz, and Bregant, 1999:223 (Austria: in checklist of Sphecidae of Land Kärnten); Pauly, 1999:111 (in catalog of Belgian aculeates); Petit, 1999:112 (Netherlands: Nieuw-Namen); Riemann, 1999:834 (Germany: Niedersachsen: sand pits near Bremen); Blösch, 2000:422 (in Sphecid Fauna of Germany); Esenbekova and Kazenas, 2000:78 (southeastern Kazakhstan: near Alma Ata, 6 km southwest of Alma Ata); Jacobs, 2000:6, 16 (Germany: Land Mecklenburg-Vorpommern: extinct); Józan, 2000:114 (Hungary: Bakony Mountains); Ljubomirov, 2000:14 (Bulgaria, specimens in N. Nedelkov collection); Mokrousov, 2000b:32 (Russia: Nizhniy Novgorod Oblast'); Schmalz, 2000:20 (Germany: Hessen: Fulda area); K. Schmidt, 2000:77 (in revision of Western Palearctic *Cerceris*); Józan, 2001:281 (Hungary: Somogy County); Kazenas, 2001b:58 (in checklist of Sphecidae of Kazakhstan and Central

Asia), 253 (review of known biology), 2001d:114, 116 (in key to *Cerceris* of Kazakhstan and Central Asia); Kazenas and Esenbekova, 2001:136 (Kazakhstan: Almatinskiy Nature Reserve); Mazzucco, 2001:203 (Austria: Niederösterreich: Steinfeld); Ohl et al., 2001:138 (distribution in Germany by provinces); van der Smissen, 2001:59 (Germany: Schleswig-Holstein: extinct); Zettel, Gross, and Mazzucco, 2001:81 (Austria: Wien); Archer and Edwards, 2002:103 (Great Britain: West Sussex: Ambersham and Iping commons); Józan, 2002:54 (Hungary: Mecsek Mountains); Kazenas, 2002a:151 (geographic distribution, collecting localities in Kazakhstan); Shlyakhtenok and Skibinska, 2002:35 (Belorussia: no specific locality); Söderman and Vikberg, 2002:54 (in list of Aculeata of Finland); Vischer, 2002:288 (Germany: Sachsen-Anhalt: vineyards in Saale-Unstrut area); Drewes, 2003:134 (Germany: Baden-Württembnerg: Kaiserstuhl; Italy: Trentino: Arco, Torbole); Mandery, Kraus, Voith, Wickl, Scheuchl, Schubert, and Warncke, 2003:63 (Germany: in catalog of wasps and bees of Bayern); von der Heide and Metscher, 2003:101 (Germany: Niedersachsen: Emsland area); Wickl, Voith, Mandery, Weber, Kraus, Bausenwein, and Blösch, 2003:195 (Germany: Bayern: no longer endangered); Deván, 2004:146 (western Slovakia); Esser, Jakubzik, Sonnenburg, and Woydak, 2004:261 (Germany: in checklist of Sphecidae of Nordrhein-Westfalen); Kazenas, 2004b:113 (Kazakhstan: western Tien Shan); Klein and Lefeber *in* Peeters, van Achterberg, et al., 2004:363 (in Wasp and Ant Fauna of Netherlands); Shkuratov, 2004a:74 (Russia: Rostov Oblast'), 2004b:165 (Russia: Rostov Oblast': Gosudarstvennyi Muzey-Zapovednik M.A. Sholokhova); Skibińska *in* Bogdanowicz, Chudzicka, Pilipiuk, and Skibińska, 2004:355 (in catalog of Polish Crabronidae); van Achterberg and Peeters, 2004:32 (in checklist of Sphecidae of Netherlands); Wiśniowski, 2004:53 and 63 (in checklist of Polish Sphecidae); Burger, 2005:31 (Germany: Thüringen); Cross, 2005:20 (Great Britain: Dorset: Poole Basin; female clypeal process probably helps prey transportation); Haeseler, 2005:628 (Germany: Niedersachsen: Steller Heide near Bremen); Jacobs, 2005a:441 (Bulgaria); Kofler, 2005:185 (Austria: Tirol: Lienz District: Lengberg in Nikolsdorf Common, Nikolsdorf); Kraatz, 2005:102 (Germany: Niedersachsen: Bümmerstede near Oldenburg); Landeck, Wöhler, and Landgraf, 2005:18 (Germany: Lausitz Region; visiting flowers of *Reseda luteola* Linnaeus, Resedaceae); Nemkov, 2005a:160 (Russia: Island of Sakhalin); Pagliano and Negrisolo, 2005:329 (in Sphecid Fauna of Italy); Riemann and Hohmann, 2005:546 (Germany: Niedersachsen: city of Bremen and adjacent area); Saure, 2005:14 (Germany: Berlin); Shorenko, 2005a:169 (Ukraine: Crimea), 2005b:99 (Ukraine: Crimea: Karadagh Nature Reserve); Straka, 2005a:397 (critically endangered in Czech Republic); Theunert, 2005a:16 (Germany: in checklist of Sphecidae of Niedersachsen and Bremen); Yildirim and Ljubomirov, 2005:1805 (Turkey: Artvin, Erzincan, Erzurum, and Kars provinces); Gorobchishin, 2006:147 (Ukraine: several localities); Liebig, 2006:38 (Germany: Sachsen: Muskauer Heide); Tomarchio and Turrisi, 2006:956 (Italy: first record from Sicilia: Mount Etna); Baghirov, 2007:93 (Russia: southwestern Siberia); Guldemond, Pijfers, and den Belder, 2007:202 (Netherlands: Gelderland: dairy farm in de Graafschap); Jacobs, 2007:185, 187 (in key to Crabronidae of Germany); Jansen and Kaluza, 2007:22 (Germany: northwestern Sachsen); Józan, 2007:180 (Hungary: Zselic hills); Kazenas, 2007a:94 (Kazakhstan: Akmala Oblast': Kurgandzhin Nature Reserve and vicinity); Saure, 2007:81 (Germany: in checklist of Aculeata of Brandenburg); Vago, 2007:174 (France: départements du Nord, Pas-de-Calais, and Somme); Vepřek and Straka, 2007:210 (in catalog of Sphecidae of Czech Republic and Slovakia); Winkler, 2007:29 (Germany: Niedersachsen: eastern Friesland); Danilov, 2008:351 (Russia: Altayskiy Kray: Barnaul area); Danilov and Tshernyshev, 2008:44 (Russia: Novosibirsk Oblast': Karasuk area); Livory, Chevin, Lair, Sagot, and Baldock, 2008:40 (France: Département de la Manche); Ljubomirov and Yildirim, 2008:151 (in catalog of Crabronidae of Turkey); Nemkov, 2008b:26 (in catalog of Crabronidae of Asiatic Russia); Theunert, 2008:13 (Germany: map of distribution in Niedersachsen and Bremen); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); Debuyser and Vago, 2009:3 (in list of Sphecidae *sensu lato* of northern France), 20 (description, nesting habits);; U. Frommer, 2009a:26 (Germany: in checklist of Sphecidae of central Hessen); Nemkov,

2009b:151 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia); Ødegaard, Sverdrup-Thygeson, Hansen, Hanssen, and Öberg, 2009:70 (Norway: locality records); Pagliano, 2009:183 (Italy: recorded from Campania by Costa, 1860, and from Basilicata and Sicilia by Tomarchio and Turrisi, 2006); Shorenko, 2009:369 (in list of Sphecidae *sensu lato* of Crimea); Szczepko and Wiśniowski, 2009:68 (Poland: Spała Landscape Park); Bitsch, 2010:119 (in supplement to vol. II of Faune de France, 1997: recent record from Sicily reported; France: first record from Hautes-Alpes: Chorges); Esser, Fuhrmann, and Venne, 2010:35 (Germany: in checklist of aculeates of Nordrhein-Westfalen); Hable, Kraus, von der Dunk, and Wickl, 2010:26 (Germany: Bayern: Sulz- and Ottmaringer Tal); Johansson, 2010:121 (Sweden: Småland: upper Emå river valley); Mokrousov, 2010a:63 (Russia: Nizhniy Novgorod Oblast', Chuvash Republic, Tatarstan: no specific localities); J. Neumayer, 2010:334 (Austria: Niederösterreich: Thayatal National Park); Rudoiskatel', 2010:149 (Russia: central and southern Ural Mountains); Schmid-Egger, 2010a:14 (in red list of Aculeata of Germany: rare): Shorenko and Konovalov, 2010:29 (Ukraine: many localities); Tüzün and Yüksel, 2010:4475 (Turkey: Niğde Province); van der Smissen, 2010a:333 (Germany: Schleswig-Holstein: Höhbeck); Baghirov, 2011b:155 (Russia: Altayskiy Kray: Savvushka; Altay Republic: Artybash, Kosh-Agach); Burger, 2011a:286 (Germany: in red list of Sphecidae *sensu lato* of Thüringen); Gogala, 2011:32 (Slovenia); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Mokrousov, Berezin, and Egorov, 2011:82 (Russia: Chuvash Republic); Protsenko and Drozdovskaya, 2011:91 (Ukraine: Mikolaiv Oblast': Bugskiy Guard National Park); Rudoiskatel', 2011d:239 (Russia: central Ural Mountains); Saure, 2011c:197 (Germany: Berlin-Spandau: Fort Hahneberg), 2011d:199 (Germany: Sachsen-Anstalt: conservation area "Heide südlich Burg"); Theunert, 2011a:19 (Germany: in checklist of aculeates of Niedersachsen including city of Bremen); Tischendorf, Frommer, and Flügel et al., 2011:40 (Germany: extinct in Hessen: last collected in 1963); Tripotin, 2011:23 (France: Seine-Maritime: artificial sand site near Sandouville); Boillat, 2012:228 (Switzerland: in checklist of insects of Canton de Genève); Burguet *in* Durand and Burguet, 2012:2 (France: Puy-de-Dôme: sands Girauts-Faures in Orléat commune); Gerth, Mayer, Hering, Wolf, Schaffer, and Bleidorn, 2012:9 (Germany: Sachsen: Bienitz in Leipzig); Nemkov, 2012c:448 (in catalog of Crabronidae of Russian Far East); Prisniy, 2012:53 (Russia: Belgorod Oblast'); Saure, 2012b:228 (Germany: Berlin-Spandau: Spandauer Forst); Tripotin, 2012:23 (France: Seine-Maritime: estuary of Seine river); Yildirim, 2012:79 (Turkey: Bayburt and Kars provinces); X. Li, L. Ma, and Q. Li, 2013:593 (China: Nei Mongol: Helan Mountains); Pankov, 2013:231 (Russia: Ivanovo Oblast'); A. Scholz and Liebig, 2013:16 (Germany: Sachsen: in list of Sphecidae *sensu lato*); Shlyakhtenok, 2013:241 (in annotated catalog of aculeate wasps of Belorussia); Bitsch, 2014:410 (France: Puy-de-Dôme: Orléat); Hellqvist, Abenius, and Norén, 2014:94 (Sweden: in catalog of Ampulicidae, Sphecidae, and Crabronidae, by provinces); J.-K. Kim, 2014:449 (in catalog of Sphecidae *sensu lato* of Korean Peninsula); Mokrousov and Vafin, 2014:60 (Russia: Republic of Tatarstan); Kazenas, 2014a:139 (Kazakhstan: Karatau Mountain Range); Protsenko, Fateryga, and Ivanov, 2014:36 (Crimea: several localities); Ruchin and Antropov, 2014:38 (Russia: Republic of Mordovia); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces); Archer, 2015:203 (Great Britain: English coastal sand dunes); Koçak and Kemal, 2015:141 (in checklist of Hymenoptera of Turkey); Mokrousov and Egorov, 2015:425 (Russia: Republic of Mordovia: Nature State Reserve Prisuskiy); P. Rosa and Pagliano, 2015:99 (Italy: Lombardia and Piemonte: Parco del Ticino); Saure, 2015:12 (Germany: Berlin-Lichterfelde); Simon, Lorthiois, and Macé, 2015:53 (France: alluvial terraces in Eure Department: Courcelles-sur-Seine); Bleidorn, Gerth, Hopfe, et al., 2016:10 (Germany: Sachsen: Trages circa 20 km south of Leipzig); Else, Bolton, and Broad, 2016:47 (in checklist of Aculeata of Great Britain and Ireland: England); Le Divelec, Chapelin-Viscardi, and Larivière, 2016:110 (northern France: in agricultural landscapes); Samin and Bagriacik, 2016:496 (Iran: West Azarbaijan Province: Myandoab and Ourmieh); Saure, 2016b:48 (Germany: Sachsen-Anhalt: fruit orchards); A. Scholz, 2016:71 (Germany: Sachsen: Kleinraschützer Heide); Stolle and Saure, 2016:921 (Germany: in list of Sphecidae *sensu lato* of

Sachsen-Anhalt); Tomozii, 2016:77 (Romania: Ceahlău National Park); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:25 (Turkey: Erzurum Province, as *ruficornis ruficornis*); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:79 (Iran: known from West Azerbaijan Province); Shorenko, 2017:81 (in Crimea collected in June and July); Dollfuss, 2018:1158 (locality records from Austria, Czech Republic, Finland, Kazakhstan, Montenegro, and Slovakia); Jacobs and Liebig, 2018:137 (Russia: Irkutsk Oblast': Bol'shoye Goloustnoye and Sarma); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); Carminati, Mora, and Cretin, 2019:27 (France: in list of Sphecidae *sensu lato* of Franche-Comté); Ljubomirov, 2019:101 (Bulgaria: Vratchanska Planina, as *ruficornis ruficornis*); Olszewski and Kowalczyk, 2019:91 (Poland: Pomorze Gdańskie = Gdańsk Pomerania); Ruchin and Antropov, 2019a:13242 (Russia: Mordovia State Nature Reserve); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:18 (Iran: known from West Azarbaijan Province); Akulov, Proshchalykin, and Mokrousov, 2020:46 (Russia: central Krasnoyarsk Kray); Shorenko, 2020:48 (Crimea: Karadag Nature Reserve); Cross, Baldock, and Wood, 2021:66 (in catalog of Sphecidae *sensu lato* of Portugal); Dollfuss, 2021a:952 (locality records from Albania, Austria, Bulgaria, Croatia, Czech Republic, Germany, Hungary, Italy, Romania, Slovakia, Turkey, and Ukraine), 2021c:614 (locality records from Austria, Czech Republic, Kazakhstan, Kyrgyzstan, Mongolia, Slovakia, Tajikistan, Turkey, Ukraine, and Uzbekistan); Kaplan and Yildirim, 2021:99 (in catalog of Crabronidae of Turkey); Olszewski, Wiśniowski, and Ljubomirov, 2021:85 (in commented list of Sphecidae *sensu lato* of Poland); Saure, 2021:83 (Germany: Brandenburg: Nature Reserve Ferbitzer Bruch near Potsdam); Malash, Edmardash, and Gadallah, 2022:36 (in catalog of Middle Eastern and North African Philanthinae); Pytel-Huta, Skyrpan, Tsaryk, Shydlovskyy, and Khamar, 2022:54 (western Ukraine); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:264 (in revision of Sphecidae *sensu lato* of Europe); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution); Pytel-Huta and Franchuk, 2024:90 (Ukraine: Rivno Nature Reserve); Sivell and Boyes, 2025:1 (genome sequence).

Crabro bidens Schrank, 1802:335, sex not stated. Syntypes: Germany: Bayern: Gern, Ingolstadt (destroyed). Synonymized with *Cerceris labiata* of authors by Schletterer, 1887:442.

Crabro cunicularius Schrank, 1802:334, ♀. Holotype or syntypes: Germany: Bayern: Gern (destroyed). Synonymized with *Cerceris ruficornis* by van der Vecht, 1961a:65. – Germar, 1817:261 (Dalmatia: Spalatro, now Croatia: Split); von Frauenfeld, 1861:103 (Croatia: Dalmatia: no specific locality, as *cunicularis*). – **As *Cerceris cunicularia***: Richards, 1935:169 (new generic assignment, *Cerceris cunicularia* is the correct name for *labiata*), 1937b:108 (in checklist of British aculeates); Guichard, 1939:43 (Great Britain: southern Cornwall: Polperro); de Graham, 1941:99 (Great Britain: Lincolnshire); Schneid, 1941:1048 (Germany: Bayern: Bamberg area); J. Perkins, 1942:200 (Sweden: Skåne: Degaberga); Boyd, 1943:163 (Britian: eastern Dorset); Spooner, 1943:75 (Great Britain: Bournemouth, Chesil Beach, Studland); Balthasar, 1948:143 (Slovakia: Kovačov, Parkan); Leclercq, 1948:205 (*Cerceris cunicularia* is the correct name, not *labiata* Fabricius); Šnoflák *in* Zavadil and Šnoflák, 1948:88, 95 (in key to Sphecidae of Czechoslovakia); Chambers, 1949:233 (Great Britain: Bedfordshire); Cavro, 1950:36 (France: Département du Nord); de Beaumont, 1951f:305 (in North Africa found only in Morocco: Timhadit in Moyen Atlas), 1951h:32 (Switzerland: Neuchâtel area), 1952a:70 (in revision of *Cerceris* of France); Nouvel and Ribaut, 1953:177 (France: Central Pyrénées: lower parts of Garonne River valley); de Beaumont, 1954e:87 (Italy); Bischoff and Stadler, 1954:127 (Germany: Bayern: Romberg); Grandi, 1954:237 (Italy); Aerts, 1955:63 (Germany: Rheinland); Steiner, 1955:137 (France; not found in Dordogne); Bajári, 1956a:85 (in catalog of Hungarian *Cerceris*, with list of localities), 1957a:35, 43 (in key to Hungarian Sphecidae); Grandi, 1957:388 (Italy); Benno, 1958b:11 (in review of Dutch Sphecidae); de Beaumont, 1959a:16 (Italy); Wolf, 1959b:31 (Germany: Nassau); Noskiewicz and Puławski, 1960:76, 78 (in key to Polish Sphecidae); Valkeila, 1962b:68

(southwestern Finland); Wengris, 1962:204 (Lithuania: Vilnius area); Felton, 1963:179 (Great Britain: Kent County); Lehrer and Scutaru, 1963:284 (Romania: Moldova: Bîrnova and Mirceşti in Iaşi District, Baia in Suceava District); Valkeila, Brander, and Käpylä, 1963:41 (Finland: historical region Lounais-Hämeen = southwest Häme); Richards, 1964:25 (heath-lands in southern England); Diniz, 1966:7 (Portugal: Serra do Gerez); J. Heinrich, 1967:71 (Germany: Bayern: Unterfranken District); Hoop, 1967a:40 (Germany: Schleswig-Holstein: Lehmrade); Scobiola-Palade, 1967a:161 (Romania: Constanţa District: Hagieni), 1968c:383 (Romania: Brăneşti, Periş); Tumšs, 1970:76 (Latvia); Balthasar, 1972:411 (in Sphecid Fauna of Czechoslovakia); Niedl and Deneš, 1972:153 (Czech Republic: Třeboň area); Simon Thomas, 1972:178 (France: Landes, Lot-et-Garonne); Skibińska, 1982:123 (Poland: Warszawa area); Scobiola-Palade, 1987:64 (Romania: Dobrogea); Kowalczyk, 1988a:45 (Poland: Rogów), 1988b:64 (Poland: environs of Łódź), 1991b:120 (Poland: Augustów Forest); Pádr *in* Šedivy, 1989a:166 (in checklist of Czechoslovakian Sphecidae); Jacobs and Oehlke, 1990:123 (population regress in Democratic Germany after 1960); Kowalczyk, 1990:290 (Poland: Góry Świętokrzyskie), 1991a:99, 101 (Poland: Łódź); Blagoveshchenskaya, 1994:92 (Russia: Ul'yanovsk Oblast').

Mellinus quadricinctus Fabricius, 1804:298, sex not stated, junior secondary homonym of *Cerceris quadricincta* Panzer, 1799. Lectotype: ♂, Germany: no specific locality (ZMUC), designated by van der Vecht, 1961a:65. Synonymized with *Cerceris ruficornis* by van der Vecht, 1961a:65. – Dahlbom, 1845:XXIII (type material not examined, may be *Gorytes campestris*); Dalla Torre, 1897:561 (in catalog of world Hymenoptera); Maidl and Klima, 1939:39 (in catalog of world Astatinae and Bembicinae).

Philanthus trifidus Fabricius, 1804:305, sex not stated. Holotype: ♂, Germany: no specific locality (ZMUC). Synonymized with *Cerceris ruficornis* by van der Vecht, 1961a:65. – Panzer, 1806:175 (in critical review of his earlier work, is probably a variation of *Philanthus quadrifasciatus*); Jurine, 1807:202 (in checklist of European *Philanthus*); Thunberg, 1815b:289 (diagnostic characters), 294 (redescription); W. Schulz, 1912:70 (Thunberg's specimens missing in his collection).

Cerceris arenicola Stephens, 1829a:367, as Kirby's manuscript name (in catalog of British insects). Replacement name for *Philanthus trifidus* Fabricius, 1804. – Stephens, 1829b:34 (in checklist of British insects); F. Smith, 1855:100 (as synonym of *Cerceris arenaria*).

Cerceris nasuta Latreille, 1809:94, ♀, ♂. Syntypes: Germany: Panzer's specimens (destroyed). Tentatively synonymized with .. – Stephens, 1829a:368 (in catalog of British insects), 1829b:34 (in checklist of British insects).

Cerceris laminifera A. Costa, 1867c:81, ♀ (Italy: Piemonte). Lectotype: ♀, Italy: Toscana: no specific locality (Napoli), designated by de Beaumont, 1950c:325 (may not be an original specimen). Synonymized with *Cerceris cunicularia* by de Beaumont, 1950c:325. – nec Schletterer, 1887:439 (= *Cerceris bucculata*); Schletterer, 1887:495 (in checklist of world *Cerceris*); Ed. André, 1889:303 (in revision of Sphecidae of Europe and Algeria), 22* (bibliographic references); Dalla Torre, 1897:465 (in catalog of world Hymenoptera); Balthasar, 1972:406 (in Sphecid Fauna of Czechoslovakia: not yet found in the country). – **As *Cerceris ruficornis laminifera***: Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (new status, in catalog of Italian fauna).

Cerceris laminifera A. Costa, 1869b:97, ♀. Objective synonym of *Cerceris laminifera* A. Costa, 1867c:81

As *Cerceris labiata* (Fabricius) which actually is a junior synonym of *Cerceris interrupta*: Panzer, 1799, Heft 63:16 (in *Philanthus*, in revision of German insects, illustration of habitus), 1806:173 (in *Philanthus*, in critical review of his earlier work); Stephens, 1829a:368 (in catalog of British insects), 1829b:34 (in checklist of British insects); Vander Linden, 1829:113 (bibliographic references, redescription, Belgium: Bruxelles, southern France, larg part of Europe); Shuckard, 1837a:236 (in revision of British Aculeata); von Siebold, 1839:52 (Germany: Danzig, now Poland: Gdańsk); Herrich-Schaeffer, 1840:296 (Germany: Bayern: Regensburg area); Dufour, 1841a:509 and 1841b:245 (digestive tract), 1841a:511 and 1841b:247 (male

reproductive system), 1841a:512 and 1841b:248 (female reproductive system); Dahlbom, 1842a:16 (in review of Scandinavian aculeates), 1844:217 (in revision of Sphecidae and Pompilidae), 1845:501 (in key to world *Cerceris*); Lepeletier de Saint Fargeau, 1845:2 (in revision of world Hymenoptera); Eversmann, 1849:406 (Russia: Orenburg Province, Ural Mountains foothills, Kazakhstan); von Kiesenwetter, 1849:89 (Germany: Kingdom of Saxony: Dresden and Oberlausitz area); Wissmann, 1849:13 (Germany: Kingdom of Hannover: Münden, Witzenhausen); F. Smith, 1849a:2373 (Great Britain: Devonshire), 1849b:2551 (prey: *Colletes succinctus*), 1851c:42 (Great Britain: Surrey: Hawley Hants, Weybridge); Wesmael, 1852:267 (Belgium; diagnostic characters); Kirschbaum, 1853:46 (Germany: Herzogtum Nassau: Mainz-Mombach); F. Smith, 1853:65 (in checklist of British Hymenoptera), 1856:437 (in catalog of Hymenoptera in British Museum); Kawall, 1857:24 (Kurland, now Latvia); Schenck, 1857:149 (Germany: in revision of fossorial wasps of Nassau Region); F. Smith, 1857d:41 (Great Britain: Kent: Kingsdown), 1858c:191 (in review of British Aculeata, redescription); Taschenberg, 1858:82 (in key to Sphecidae of Germany); Funk, 1859:58 (Germany: Bayern: Bamberg); Six, 1959:18 (Netherlands: Driebergen); Schenck, 1860:147 (Germany: Nassau Region); Brischke, 1862:102 (Germany: Preussen Province, now Poland: Pomorze Region); F. Smith, 1865b:86 (Great Britain: Dorset County: Bournemouth); Taschenberg, 1866:191 (in revision of Hymenoptera of Germany); A. Costa, 1867c:80 (in revision of Italian Sphecidae); Jaennicke, 1867:147 (Germany: Hessen: Frankfurt area), 1868:9 (Germany: Hessen: Rüsselsheim); nec A. Costa, 1869b:96 (= *Cerceris ruficornis costai* de Beaumont); Schenck, 1867a:354 (Germany: Nassau Region); F. Smith, 1868a:96 (Great Britain: Mousehold Heath near Norwich); von Aichinger, 1870:317 (Austria: Tirol); Radoszkowski, 1870:102 (synonyms listed); Thomson, 1870:249 (in revision of Swedish wasps); nec A. Costa, 1872a:34 (=*Cerceris ruficornis costai*); Schlechtendal, 1872:37 (Germany: Sachsen: Zwickau); Beletskiy, 1873:80 (Ukraine: vicinity of Khar'kov); Dours, 1874:144 (in catalog of Hymenoptera of France); Thomson, 1874:248 (in revision of Hymenoptera of Scandinavia); Wierzejski, 1874:260 (Poland: Kraków; Ukraine: Podole Region and L'viv); Marquet, 1875:204 (France: Montpellier, Toulouse); Taschenberg, 1875:390 (Germany: Sachsen: Halle); Beuthin, 1876:231 (Germany: Hamburg area); Frivaldszky, 1876:354 (Hungary: Ferenczfalva, now Romania: Caraş-Severin or Timiş District); Schmiedeknecht, 1876:186 (Germany: Thüringen: Rothensteiner Felsen); Radoszkowski, 1877:56 (Uzbekistan: Zeravshan valley; Kazakhstan: Chardara); Kohl, 1880:160 (Austria: Tirol, and Italy: Trentino–Alto Adige); E. Saunders, 1880:275 (in revision of British Aculeata); Marquet, 1881:190 (southern France); Yaroshevskiy, 1881:124 (Ukraine: Khar'kiv Oblast': Kupyansk); Friese, 1883:201 (Germany: Sachsen-Anhalt: Kösen, Merseburg, Weissenfels); Kohl, 1883e:664 (Switzerland); Harwood, 1884:211 (England: Essex: Colchester area); von Heyden, 1884:118 (Germany: Frankfurt am Main); Sickmann, 1885:179 (Germany: Niedersachsen: Wellingholthausen); Wüstnei, 1886:40 (Germany: Schleswig-Holstein: Husum); Gasperini, 1887:17 (recorded from Dalmatia, now Croatia, by Germar, 1817, Carrara, 1842, and von Frauenfeld, 1861); Schletterer, 1887:442 (in revision of Palearctic *Cerceris*), 495 (in checklist of world *Cerceris*); Brischke, 1888b:99 (Germany: Preussen Province, now Poland: Pomorze Region); Cuní y Martorell, 1888:164 (Spain: Barcelona); Ed. André, 1889:290, 291, 299, 304 (in revision of Sphecidae of Europe and Algeria), 23* (bibliographic references); F. Morawitz, 1889a:160 (China: Gansu); Schletterer, 1889a:901 (faunal records); Steck, 1890:169, 170 (in key to *Cerceris* of Switzerland); Wüstnei, 1891a:26 (Germany: Schleswig-Holstein: Glücksburg); Kohl, 1893a:35 (Austria: Niederösterreich); F. Morawitz, 1893a:113 (Russia: Karelian Isthmus; prey: *Eumolpus obscurus* Linnaeus, Chrysomelidae), 1893b:420 (Russian Turkestan: Obburden); Sickmann, 1893:94 (Germany: Niedersachsen: Iburg, list of prey); Baldini, 1894:55 (Italy: Modena area); Krieger, 1894:12 (Germany: Kingdom of Saxony); Medina, 1894b:262 (Spain: Huévar); De Stefani Perez, 1895:227 (in catalog of Sicilian Hymenoptera); Meunier, 1896:272 (Belgium: Bruxelles area); E. Saunders, 1896:121 (in revision of British Aculeata); Acloque, 1897:81 (in Sphecid Fauna of France and Algeria, as *labiata* Vander Linden); Borries, 1897:53 (reference to Fabre, 1879:58), 58 (preying on curculionids); Cuní y Martorell, 1897:331 (Spain: Cataluña: villa de Calella); Dalla Torre, 1897:465 (in

catalog of world Hymenoptera); Kozhevnikov, 1897:15 (Russia: Moscow Governorate); Lüderwaldt, 1897b:30 (Germany: Gollnow, now Poland: Pomorze Region: Goleniów); Mocsáry, 1897:80 (Kingdom of Hungary, some localities are in today's Croatia, Romania, and Slovakia); Flamary, 1898:38 (France: Saône-et-Loire: Mâcon area); Sladen, 1900:265 (Great Britain: Kent: Tilmanstone); Adlerz, 1901:179 (nesting habits); Hocking, 1901:68 (Great Britain: Surrey county); J. Nielsen, 1901a:267 (nesting habits); Rothney, 1901:150 (Great Britain: Cornwall: Tintagel); N. Arnold, 1902:89 (Russia: Mohilev Province, now Belorussia); Chyzer, 1902:33 (Hungary); Nevinson, 1902:12 (Great Britain: Cornwall: Newquay); E. Saunders, 1902b:143 (British Channel Islands); de Cobelli, 1903:109 (Italy: Province of Trentino); Adlerz, 1904:70 (nesting habits), 138 (known prey: Curculionidae); Antiga and Bofill, 1904:21 (Spain: Cataluña Province); Aurivillius, 1904:275 (in revision of Swedish Sphecidae); E. Saunders, 1904c:639 (Spain); Zilahi Kiss, 1904:77 (Hungary: Tasnád); Arnold, 1905:262 (Great Britain: Hampshire: Brockenhurst); Kubes, 1905:84 (Czech Republic: Kolín, Mančice); von Heyden, 1905:82 (Germany: Hessen: Frankfurt; as *labita*); Móczár and Henter, 1907:205 (Hungary: Hatvan, Putnok); Schmiedeknecht, 1907:240, 243 (in key to Hymenoptera of Central Europe); de Gaulle, 1908:104 (in catalog of French Hymenoptera); Morley, 1909:305 (Great Britain: Isle of Wight); Cavro, 1910:685 (France: Département du Nord); Dittrich, 1911b:25 (Germany: Niederschlesien Province, now Poland: Dolny Śląsk Region); Graeffe, 1911:48 (Italy: Trieste area); Birula, 1912:544 (Ukraine: Zhytomyr Oblast': Radomyshl'); Rudow, 1912:67 (preying on curculionids *Chlorophanus* and *Polydrusus*); Schirmer, 1912:168 (Germany: Berlin area); Kohl, 1913b:15 (Russia: Voronezh Oblast': Valuyki at 50°14'N 38°08'E); Alfken, 1914:281 (northwestern Germany); Mercet, 1914:445 (recorded from Spain), 449 (in revision of Spanish Philantinae); Szilády, 1914:89 (Hungary: Holdvilág, Nagyenyed, Remete, Szaszkeresztur); Dusmet y Alonso, 1915:87 (Spain: Aragón; determination tentative); Zavattari, 1915:2 (Italy: Abruzzi: Vallata del Sangro); Drenowski, 1936:247 (Bulgaria); Yasumatsu, 1942c:114 (China: Nei Mongol: Apaka at 44°N 114.96°E); Kohl, 1916:116 (specimens in O. Radoszkowski collection, Kraków); Shestakov, 1917b:410 (Finland), 1918a:140 (Tajikistan); Dubois, 1919:96 (Belgium: Bruxelles: Uccle); Kerenskiy, 1919:35 (Russia: Penza Governorate); O. Meyer, 1919:156 (Germany: Posen Province, now Poland: Poznań Region); Noskiewicz, 1920b:155 (Poland, now Ukraine: forest district Kopanki near Kałusz); Strand, 1920:23 (Germany: Berlin-Dahlem); A. Wagner, 1920:40 (Germany: Lower Elbe region); Dubois, 1922:210, 211, 212 (in key to Belgian Sphecidae); Fahringer, 1922:178 (Turkey); Hedicke, 1922:271 (Germany: Brandenburg: Gross Machnower Weinberg); Maidl, 1922:69 (Croatia); R. Perkins, 1924:229 (Great Britain: Devon); Berland, 1925d:58 (in Sphecid Fauna of France); Bischoff, 1925:301 (Poland: Białowieża); Coulon, 1925:116 (France, prey); Schütze, 1925:113 (Germany: Lausitz Region); Shestakov, 1925:37 (Russia: Yaroslavl' area); K. Strohm, 1925:212 (Germany: Baden-Württemberg: common); Bouwman, 1926:280 (in list of Sphecidae of Netherlands); Friese, 1926:155 (in key to Sphecidae of Central Europe, short morphological and biological characteristics); Hémon, 1926:199 (France: Finistère: Fouesnant); Shestakov, 1927a:3 (Russia: Tver Oblast'), 4 (Moskva, Vladimir, and Yaroslavl' oblast's), 5 (Russia: Kostroma Oblast'), 7 (Kursk Oblast'), 88 (Belorussia: Minsk area), 11 (Ukraine: Kherson, Odessa, and Zhitomir Oblast's), 17 (Russia: Orenburg Oblast'); F. Werner, 1927:66 (Austria: Niederösterreich: Kamp River valley); Benoist, 1928:409 (France: Basses-Alpes: Faucon); Bouwman, 1928a:361 (in revision of Sphecidae of Netherlands); Vorontsovskiy, 1928:44 (Russia: vicinity of Orenburg); Hamm and Richards, 1930:112 (summary of nesting habits), 125 (list of prey); Schmiedeknecht, 1930:700, 703 (in keys to Hymenoptera of North and Central Europe); Vorontsovskiy, 1930:64 (Russia: Orenburg Oblast'); Bischoff, 1931:9 (Spain); Pulkkinen, 1931:58 (in revision of Sphecidae of Finland); Bondroit, 1932:38 (Belgium: common in Bruxelles area); Drogoszewski, 1933:118 (Poland: Łowicz, Opatów, Włocławek); Dulac, 1933b:40 (description of ♂, France: Saône-et-Loire: Saint-Leu near Le Creusot); Balles, 1934:21 (Germany: Baden-Württemberg: eight localities); Minkiewicz, 1934:190 (preying of *Sitona sulcifrons* Thunberg, a curculionid); Bernard, 1935:63 (France: Var: Fréjus area); Forsius *in* Forsius and Hellén, 1935:12 (in checklist of Hymenoptera of Finland); Marchand and Dulac, 1935:61

(France: Saône-et-Loire: Saint Laurent d'Andenay); Minkiewicz, 1935:196 (Poland: Kazimierz on Wisła at 51°20'N 21°58'E); Vergne, 1935:117 (France: Auvergne: Billom, Les Martres-d'Artières); Crèvecoeur and Maréchal, 1936:254 (in catalog of Belgian Hymenoptera); Pattri, 1936:113 (Germany: Hessen; Darmstadt area, on sandy habitats); Roller, 1936:315 (Austria: loess cliffs at Bisamberg near Vienna); Dulac, 1937:8 (France: Saône-et-Loire: Saint-Laurent d'Andenay); Goebel, 1937:47 (Poland: Poznań District: Głuszyna, Poznań-Dębina, Strzeszyn, Strzeszynek, Zalasewo); Kolosov, 1937:219 (Ukraine: Kupyansk); Zavadil, Šustera, and Bat'a, 1937:209 (in catalog of Sphecidae of Czechoslovakia); Maréchal, 1938b:209 (Belgium: Louvain area, on flowers of *Jasione montana* L., Campanulaceae); A. Wagner, 1938a:123 (northwestern Germany); Móczár, 1939:5 (Hungary: Jászberény); Dovnar-Zapolskiy, 1940:304 (Russia: Kursk Oblast'); Balthasar, 1941b:112 (Czech Republic: eastern Moravia); Giner Marí, 1941a:54 (in revision of Spanish *Cerceris*); Leclercq, 1941b:13 (Belgium: Liège area); Paul, 1941:48 (Germany: Pommern: Stettin area, now Poland: Województwo Zachodniopomorskie: Szczecin area); Giner Marí, 1943a:101 (in Sphecid Fauna of Spain); Guiglia, 1943d:92 (Albania: Scutari); Giordani Soika, 1944:12 (Italy: Sicilia: Siracusa, Taormina), Guiglia, 1944b:13 (Italy); Šnoflák, 1944a:144 (Czech Republic: serpentine steppe near Mohelno); Móczár, 1947a:60 (Hungary: Bars comitatus: Újbánya, now in Slovakia: historical region Tekov: Nová Baňa); Georgel, 1950:63 (France: Seine-et-Oise: Sucy-en-Brie); Szulczewski, 1950:106 (Poland: Wielkopolski National Park 15 km south of Poznań); Caruel, 1951:100 (France: Marne Department); Cleu, 1953:50 (France: Ardèche River basin); Głowacki, 1953:520 (Poland: Podkowa Leśna near Warszawa); Móczár, 1953:310 (Hungary); Vogrin, 1955:33 (Yugoslavia); Ceballos, 1956:369 (in catalog of Hymenoptera of Spain); Zirngiebl, 1957:184 (Germany: Rheinland-Pfalz: Pfalz region); Diniz, 1959:28 (Portugal: Porto); Hamann, 1960:199 (Austria: Oberösterreich: Mönchgraben at 48°13'N 14°21'E); Atanassov, 1962:125 (Bulgaria: Petrich area); Babiy, 1964:117 (Austria: Land Salzburg); Hüsing and Jäger, 1964:192 (Germany: Sachsen-Anhalt: Nietleben near Halle), 199 (visiting flowers of *Polygonum convolvulus* L., Polygonaceae, and *Valeriana officinalis* L., Caprifoliaceae); Atanassov, 1972a:192 (Bulgaria: Stara Planina Mountains), 1972b:32, 48 (Bulgaria: Stara Planina Mountains); Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino); Pagliano, 1980: (Italy: Lombardia), 2014:105 (specimens in M. Spinola collection, Torino, are *Cerceris ruficornis* and *Cerceris* sp.). 126

As *Cerceris vagans*: Radoszkowski, 1877:61 (Transcaspia) partly, corrected to *Cerceris labiata* by Shestakov, 1918a:161.

ssp. *costai* de Beaumont

As *Cerceris labiata*: A. Costa, 1869b:96 (in revision of Italian Sphecidae) and 1872a:34 (in revision of Sphecidae of Kingdom of Naples, Italy), corrected to *Cerceris costai* by de Beaumont, 1950c:326.

Cerceris costai de Beaumont, 1950c:326, ♀, ♂. Holotype: ♀, Italy: Lecce (Napoli). – **As *Cerceris cunicularia costai***: de Beaumont, 1957d:336 (new status, taxonomic history, diagnostic characters). – **As *Cerceris ruficornis costai***: R. Bohart and Menke, 1976:586 (new subspecific generic assignment, in checklist of world Sphecidae); Pagliano, 1990:99 (in catalog of Italian Sphecidae); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); K. Schmidt, 2000:78 (in revision of Western Palearctic *Cerceris*).

ssp. *saghaliensis* Tsuneki

Cerceris ruficornis saghaliensis Tsuneki, 1968f:3, ♀, ♂. Holotype: ♀, Russia: Island od Sakhalin: Toyohara (CAS). – R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Pulawski, 1994:27 (CAS holotype no. 10245)

682. *rufimana* Taschenberg

Cerceris rufimana Taschenberg, 1875:390, ♀. Syntypes: ♀: Brazil: Paraná: no specific locality (Halle). – Schletterer, 1887:501 (in checklist of world *Cerceris*); Dalla Torre, 1897:474 (in catalog of world Hymenoptera); Holmberg, 1903:486 (Argentina); Schrottky, 1903b:124 (in checklist of Hymenoptera of Argentina, Paraguay, and Uruguay); Jörgensen, 1912:288 (Argentina: Mendoza Province, floral records); Schrottky,

1913a:230 (Argentina); Brèthes, 1920a:408 (Argentina); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Evans, Matthews, Alcock, and Fritz, 1976:127 (nesting habits); Fritz and Mariluis, 1979:36 (in revision of *Cerceris gaudebunda* species group); Melo, 2000:100 (possible female associations for use of natal nest); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

Cerceris annulipes Brèthes: Jörgensen, 1912:288, nomen nudum (Argentina: Mendoza Province).

Cerceris annulipes Brèthes, 1913:123, ♂. Lectotype: ♂, Argentina: Mendoza: no specific locality (MACN), designated by Fritz, 1968b:169. Synonymized with *Cerceris rufimana rufimana* by Fritz and Mariluis, 1979:36. – R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Genise, 1990:26 (type material in MACN); Amarante, 2005a:12 (correction to his 2002 catalog).

ssp. *colombica* Fritz

Cerceris rufimana colombica Fritz *in* Evans, Matthews, Alcock, and Fritz, 1976:127, ♀. Holotype: ♀, Colombia: Valle: Cali or vicinity (MCZ). – Evans, Matthews, Alcock, and Fritz, 1976:128 (nesting and prey); Fritz and Mariluis, 1979:38 (in revision of *Cerceris gaudebunda* species group); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

683. *rufinoda* Cresson

Cerceris rufinoda Cresson, 1865c:121, ♂. Holotype: ♂, USA: Colorado: Rocky Mountains: no specific locality (ANSP). – Packard, 1866:60 (in key to North American *Cerceris*), 61 (bibliographic reference, geographic distribution); Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:501 (in checklist of world *Cerceris*); Ashmead, 1890:32 (in checklist of Hymenoptera of Colorado), 1899d:295 (in checklist of North American Sphecidae); Bridwell, 1899:209 (Kansas: no specific locality); Cresson, 1916:101 (holotype in ANSP); Brimley, 1938:448 (North Carolina: Laurel Hill, Raleigh); Strickland, 1947:130 (Canada: Alberta: Medicine Hat); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010 (in catalog of North American Hymenoptera); Scullen and Wold, 1970:212 (distribution and summary of prey records, as *rufinoda rufinoa*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Krombein, 1979b:1737 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:492 (in annotated list of North American and Caribbean *Cerceris*); Steiner, 1986:114 (references to publications on nesting habits). Nec Viereck and Cockerell, 1904b:138 and subsequent authors (= *Cerceris crucis*); Ahlstrom, 1995:114 (in checklist of insects of North Carolina); Amarante, 2002:61 (in catalog of Neotropical Crabronidae); Horta Vega, Pinson Domínguez, Barrientos Lozano, and Correa Sandoval, 2007: 45 (Mexico: Tamaulipas).

Cerceris argia Mickel, 1916a:412, ♀. Holotype: ♀, USA: Nebraska: Lincoln (UNL). Synonymized with *Cerceris rufinoda* by G. Ferguson, 1984c:492. – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1005 (in catalog of North American Hymenoptera); Muma, 1952:17 (holotype in UNL); Scullen, 1965b:357 (in revision of North American *Cerceris*), 1968a:158-159 (illustrations), 1972:19 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Krombein, 1979b:1729 (in catalog of North American Hymenoptera); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

684. *rufiscutis* Cameron

Cerceris rufiscutis Cameron, 1908a:278, ♀, ♂. Lectotype: ♀, Tanzania: Mount Kilimanjaro: Kibonoto (BMNH), designated by Empey, 1974:120. – G. Carpenter, 1927:12 (prey: *Systates* sp., Curculionidae); Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:139, 146 (in key to Afrotropical *Cerceris*), 181 (in revision of Afrotropical *Cerceris*), 1942:15 (synonymy); Guiglia, 1939d:57 (Ethiopia: Sidamo: Neghelli, now Negele); Empey, 1969a:321 (in checklist of Afrotropical *Cerceris*), 1974:120 (taxonomic history, redescription); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Empey, 1983:186 (bibliographic reference, type examined); Dollfuss, 2020a:103 (Kenya: Masai Mara National Reserve; Zimbabwe: 30 km west of Harare).

Cerceris mochiana Giordani Soika, 1942:205, ♀ (as *Mochiana*, incorrect original capitalization). Holotype: ♀, Ethiopia: Harar (Torino Univ.). Synonymized with *Cerceris rufiscutis* by Empey, 1974:121. – Empey, 1969a:314 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae), 628 (synonymy with *Cerceris rufiscutis* recorded).

ssp. *aethopica* Empey

Cerceris rufiscutis aethopica [sic] Empey, 1974:125, ♀, ♂. Holotype: ♀, Eritrea: Asmara (TMP). – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae, as *aethiopica*); Empey, 1983:187 (in checklist of Afrotropical *Cerceris*); Madl, 2023:257 (in catalog of Crabronidae of Eritrea, as *aethiopica*).

ssp. *conradsi* Giordani Soika

Cerceris rufiscutis var. *conradsi* Giordani Soika, 1942:206, ♀ (as *Conradsi*, incorrect original capitalization). Holotype: ♀, Tanzania: Ukerewe: Marienhof (A. Giordani Soika coll., Venezia; Univ. Torino according to Empey, 1974:122). – **As *Cerceris rufiscutis conradsi***: Empey, 1969a:321 (new status, in checklist of Afrotropical *Cerceris*), 1974:122 (original description superficial); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Empey, 1983:186 (bibliographic reference, type examined).

Cerceris rufiscutis beniensis Empey, 1974:125, ♀. Holotype: ♀, Zaire: Beni at 0°30'N 29°30'E. Synonymized with *Cerceris rufiscutis conradsi* by Empey, 1983:186. – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae).

ssp. *decolorata* Arnold

Cerceris rufiscutis race *decolorata* Arnold, 1931:182, ♀, ♂. Lectotype: ♀ Kenya: 30 mi. from Magadi Junction (BMNH), designated by Empey, 1983:186. – Arnold, 1942:15 (varietal status), 1951:105 (Ethiopia, as *rufiscutis* var. *decolorata*). – **As *Cerceris decolorata***: Empey, 1969a:304 (new status, in checklist of Afrotropical *Cerceris*), 1970:185 (Zaire: Garamba National Park); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae). – **As *Cerceris rufiscutis decolorata***: Empey, 1983:186 (new status, bibliographic reference, type examined).

ssp. *kenyae* Empey

Cerceris rufiscutis kenyae Empey, 1974:126, ♀. Holotype: ♀, Kenya, Nairobi (TMP). – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae); Empey, 1983:187 (bibliographic reference, type examined).

ssp. *ndebele* Empey

Cerceris rufiscutis matabele Empey, 1974:122, ♀, ♂, junior primary homonym of *Cerceris varilineata* var. *matabele* Brauns, 1926. Holotype: ♀, Zimbabwe: Nyamandhlovu (TMP). – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae).

Cerceris ndebele Empey, 1983:187. Substitute name for *Cerceris matabele* Empey, 1974. – Empey, 1983:187 (bibliographic reference, type examined).

ssp. *umtaliensis* Empey

Cerceris rufiscutis umtaliensis Empey, 1974:123, ♀, ♂. Holotype: ♀, Zimbabwe: Umtali (originally Mus. Bulawayo, now SAM). – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae); Empey, 1983:186 (bibliographic reference, type examined).

685. *rufiventris* Lepeletier de Saint Fargeau

Cerceris rufiventris Lepeletier de Saint Fargeau, 1845:29, ♀. Holotype or syntypes: ♀, Algeria: Oran (MNHN). – Lucas, 1849:255 (Algeria: Oran; original description copied with modifications); Schletterer, 1887:410 (as synonym of *Cerceris capito*); Acloque, 1897:81 (in Sphecid Fauna of France and Algeria); Borries, 1897:53 (reference to Lepeletier, 1845:29); Giner Marí, 1941a:60 (in revision of Spanish *Cerceris*), 1941b:267 (in revision of North African *Cerceris*); de Beaumont, 1950c:323 (study of holotype), 1950f:397 (Algeria: Tlemcen), 1951b:177 (synonymy cited), 1951f:358 (Algeria, Morocco; diagnostic characters);

Ceballos, 1956:371 (in catalog of Hymenoptera of Spain); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino); Tormos and Jiménez, 1987a:128 (Spain: Valencia); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:360 (does not occur in Europe); K. Schmidt, 2000:78 (in revision of Western Palearctic *Cerceris*); Pagliano, 2014:107 (specimens in M. Spinola collection, Torino, are *Cerceris rufiventris*); Dollfuss, 2021a:952 (Morocco: Salé west of Dawliz), 2021c:615 (Algeria: Alger-Zeralda); Malash, Edmardash, and Gadallah, 2022:36 (in catalog of Middle Eastern and North African Philanthinae).

As *Cerceris lindenii*: Schletterer, 1887:409 (in revision of Palearctic *Cerceris*), corrected to *Cerceris rufiventris* by Giner Marí, 1941b:267.

686. *rufocincta* Gerstaecker

Cerceris rufocincta Gerstaecker *in* Peters, 1858:510, ♀. Holotype or syntypes: ♀, Mozambique: Inhambane (ZMHU). – Schletterer, 1887:501 (in checklist of world *Cerceris*); Dalla Torre, 1897:474 (in catalog of world Hymenoptera); Arnold, 1931:202 (original description translated into English); Empey, 1969a:321 (in checklist of Afrotropical *Cerceris*), 1974:103 (review of subspecies); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino, as *rufo-cincta*); Empey, 1983:187 (bibliographic reference, type examined, as *rufocincta rufocincta*); Guichard, 1993a:156 (Arabian Peninsula); Gadallah and Assery, 2004a:218 (in key to Sphecidae of Jeddah Region, Saudi Arabia), 235 (in catalog of Sphecidae of Saudi Arabia); Schmid-Egger, 2011b:517 (United Arab Emirates: Wadi Hayl), 519 (color photograph of male); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:358 (in new catalog of Sphecidae of Saudi Arabia); Pagliano, 2014:113 (specimen in M. Spinola collection, Torino, is *Cerceris* sp.); Gadallah, 2020b:65 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2020a:104 (locality records from Kenya, Mali, Malawi, Mozamique, Namibia, South Africa, and Zimbabwe); Malash, Edmardash, and Gadallah, 2022:36 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:300 (record by Schmid-Egger, 2011b is a misdetermination); Gadallah and Abu El-Ghiet, 2024:90 (Saudi Arabia: Jazan Province: Abu Arish).

Cerceris rufocincta Gerstaecker, 1862:476, ♀. Objective synonym of *Cerceris rufocincta* Gerstaecker, 1858.

Cerceris varicincta race *manicana* Arnold, 1931:154, ♀, ♂. Lectotype: ♀, Zimbabwe: Vumbu Mountains: Umtali (SAM), designated by Empey, 1983:187. Synonymized with *Cerceris rufocincta* by Empey, 1969a:321. – Hancock, Chahwanda, and Mhlanga, 1995:38 (paralectotypes in Bulawayo Museum).

ssp. *basiornata* Cameron

Cerceris basiornata Cameron, 1908a:273, ♂. Lectotype: ♂, Tanzania: Mount Meru rainforest (NRS), designated by Empey, 1983:187 (Article 74.6). – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:198 (original description copied); Empey, 1969a:302 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae). – **As *Cerceris rufocincta basiornata***: Empey, 1974:104 (new status); R. Bohart and Menke, 1976:628 (in checklist of world Sphecidae); Empey, 1983:187 (bibliographic reference, type examined).

Cerceris bredoi Arnold, 1958:130, ♀, ♂. Lectotype: ♀, Zambia: Kaputa in Mweru District (SAM), designated by Empey, 1983:187. Synonymized with *Cerceris rufocincta basiornata* by Empey, 1974:104. – Empey, 1969a:303 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:578 (in checklist of world Sphecidae).

ssp. *polychroma* Gribodo

Cerceris polychroma Gribodo, 1895:355, ♀. Syntypes: ♀, South Africa: KwaZulu-Natal: Howick (MSNG?). – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:201 (original description translated into English); Empey, 1969a:319 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:585 (in

checklist of world Sphecidae); Penati and Mariotti, 2015:100 (in list of Hymenoptera described by G. Gribodo). – **As *Cerceris rufocincta polychroma***: Empey, 1974:103 (new status); R. Bohart and Menke, 1976:628 (in checklist of world Sphecidae); Gess, 1980a:86 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown), 88 (prey: Tiphiidae and Mutillidae), 1981:21 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown; nesting in sandy soils); Empey, 1983:187 (bibliographic reference, type examined); S. Gess and F. Gess, 2003:135 (South Africa: visiting flowers of *Foeniculum vulgare* Mill., Apiaceae, *Maytenus linearis* (L. f.) Marais, Celastraceae, and *Acacia karroo* Hayne, Fabaceae).

Cerceris jackal Brauns, 1926:310, ♀, ♂. Lectotype: ♀, South Africa: Cape Province: Port Elizabeth (TMP), designated by Empey, 1983:187. Synonymized with *Cerceris rufocincta polychroma* by Empey, 1974:103. – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:143, 147 (in key to Afrotropical *Cerceris*), 1942:5 (geographic variation); Empey, 1969a:311 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae).

ssp. *voltaica* Empey

Cerceris rufocincta voltaica Empey, 1974:104, ♀, ♂. Holotype: ♀, Upper Volta, now Burkina Faso: Bobo Diulasso (Office de la Recherche Scientifique et Technique d'Outre-Mer, Bondy, France, may be in MNHN). – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae); Empey, 1983:188 (bibliographic reference, type examined).

687. *rufopicta* F. Smith

Cerceris rufopicta F. Smith, 1856:467, ♂ (as *rufo-picta*, incorrect original hyphenation). Lectotype: ♂, USA: Florida: Saint John's Bluff, now in Jacksonville (BMNH), designated by G. Ferguson, 1984b:483. – Cresson, 1862:237 (in catalog of North American Hymenoptera), 1865c:131 (original description copied); Packard, 1866:60 (in key to North American *Cerceris*), 61 (bibliographic reference, geographic distribution); Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:501 (in checklist of world *Cerceris*); Dalla Torre, 1897:474 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010 (in catalog of North American Hymenoptera); Scullen, 1965b:430 (in revision of North American *Cerceris*); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Krombein, 1979b:1737 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:493 (in annotated list of North American and Caribbean *Cerceris*); Kurczewski and Miller, 1984:149 (nesting habits); Spofford, Kurczewski, and Downes, 1989:256, 258 (references to publications on nest parasites *Metopia argyrocephala* (Meigen) and *Senotainia trilineata* (Wulp), miltogrammine flies); Spofford and Kurczewski 1990:749, 751 (nest parasites: *Senotainia trilineata* (Van der Wulp) and unknown species of Miltogrammini, Sarcophagidae), 1992:1000 (species of miltogrammine nest parasites listed); Ahlstrom, 1995:114 (in checklist of insects of North Carolina); Alexander and Asís, 1997:871 (nesting habits); Deyrup and Eisner, 2003:522 (a Floridian, red-marked species); Buck, 2004:28 (Canada: in checklist of Sphecidae of Ontario); Buck, Paiero, and Marshall, 2006:41, 47 (in key to eastern Canadian *Cerceris*); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Ontario, Quebec, first record from Manitoba: no specific locality).

Cerceris robertsonii W. Fox, 1893c:55, ♀, ♂ (as *Robertsonii*, incorrect original capitalization). Lectotype: ♀, USA: South Dakota: Smithville (ANSP), designated by Cresson, 1928:49. Synonymized with *Cerceris rufopicta* by G. Ferguson, 1984c:493. – C. Robertson, 1894:464 (visiting flowers of *Parthenium integrifolium* Linnaeus, Asteraceae); Ashmead, 1899d:296 (in checklist of North American Sphecidae); J. Smith, 1900:519 (in list of insects of New Jersey: Lahaway), 678 (in new list of insects of New Jersey); Banks, 1912:17 (in revision of eastern U.S. *Cerceris*); Rohwer, 1916b: 695, 697 (in catalog of Hymenoptera of Connecticut); Britton, 1920:342 (in checklist of insects of Connecticut); Rohwer *in* Viereck, 1925:695, 697

(in key to Sphecidae of Connecticut; Hartford); J.Ch. Bradley, 1928:1017 (in catalog of New York Sphecidae); Brimley, 1938:448 (North Carolina: Bryson City, Pungo Lake, Raleigh, Southern Pines); Krombein, 1950a:271 (North Carolina: Dare County); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010 (in catalog of North American Hymenoptera); Krombein, 1952a:95 (Virginia: Westmoreland State Park), 1953a:288 (nest, prey, egg, life cycle, parasite), 337 (North Carolina), 1953b:119 (nest, prey), 122 (visiting foliage of *Quercus marilandica* Muenchh.), 123 (visiting foliage of *Quercus virginiana* Mill., and *Liquidambar styraciflua* L.), 125 (attracted to a grass), 134 (North Carolina: Kill Devil Hills); Evans, 1957b:86 (description of larva); Krombein, 1958f:197 (in supplement to catalog of North American Hymenoptera: prey: *Rhabdopterus picipes* (Olivier), *Cryptocephalus notatus* Fabricius, *Pachybrachys dilatatus* Suffrian, all Chrysomelidae); Evans, 1959b:156 (additional description of larva); Tsuneki, 1965d:4 (prey record summary: Chrysomelidae); Scullen and Wold, 1970:212 (distribution and summary of prey records); Evans, 1971:511 (nesting habits, as *robertsoni robertsoni*); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); L. Davis, 1978:216 (North Carolina: Kill Devil Hills, data from Krombein, 1953a); Krombein, 1979b:1736 (in catalog of North American Hymenoptera, nesting sites, list of prey); Finnamore, 1982:256 (in Sphecid Fauna of southern Quebec); Steiner, 1986:114 (references to publications on nesting habits); Kurczewski, 1998d:250 (pine barrens in upstate New York); Deyrup and Eisner, 2003:522 (a Floridian, red-marked species).

Cerceris austrina W. Fox, 1893e:556, ♀, ♂. Lectotype: ♀, southern Florida: no specific locality (ANSP), designated by Cresson, 1928:48. Synonymized with *Cerceris robertsonii* by Scullen, 1965b:426. – Dalla Torre, 1897:453 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1005 (in catalog of North American Hymenoptera); Krombein and Evans, 1955:234 (Florida).

Cerceris pleuralis H. Smith, 1908:366, ♀. Holotype: ♀, USA: Nebraska: Rock County: no specific locality (UNL). Synonymized with *Cerceris robertsonii* by Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010. – Mickel, 1918b:452 (in catalog of Nebraskan Sphecidae); Brimley, 1938:448 (North Carolina: Kitty Hawk); Muma, 1952:17 (holotype in UNL), 24 (paratype in UNL).

Cerceris robertsonii emmiltosa Scullen, 1964a:144, ♀, ♂ (as *emmiltosus*, incorrect original termination). Holotype: ♀, USA: Florida: Miami (USNM). Synonymized with *Cerceris rufopicta* by G. Ferguson, 1984c:493. – Krombein, 1964c:22 (nest, prey, as *emmiltosus*); Scullen and Wold, 1970:212 (distribution and summary of prey records); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Krombein, 1979b:1736 (in catalog of North American Hymenoptera);.

Cerceris robertsonii bifida Scullen, 1965b:428, ♀, ♂ (as *bifidus*, incorrect original termination). Holotype: ♀, USA: North Carolina: Kill Devil Hills (USNM). Synonymized with *Cerceris rufopicta* by G. Ferguson, 1984c:493. – R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Krombein, 1979b:1736 (in catalog of North American Hymenoptera, nestig sites, prey).

Cerceris robertsonii miltosa Scullen, 1965b:429, ♀ (as *miltosus*, incorrect original termination). Holotype: ♀, USA: Florida: Arcadia (USNM). Synonymized with *Cerceris rufopicta* by G. Ferguson, 1984c:493. – R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Krombein, 1979b:1736 (in catalog of North American Hymenoptera); Deyrup and Eisner, 2003:522 (a Floridian, red-marked species)

688. *rugosa* F. Smith

Cerceris rugosa F. Smith, 1856:461, ♀. Holotype or syntypes: ♀, Brazil: Pará: Santarém (BMNH). – Schletterer, 1887:501 (in checklist of world *Cerceris*); Dalla Torre, 1897:474 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

689. *rugulosa* Schrottky

Cerceris polychroma Holmberg, 1903:483, ♂, junior primary homonym of *Cerceris polychroma* Gribodo, 1895. Lectotype: ♂, Argentina: Buenos Aires: Mercedes (MACN), designated by Fritz, 1970:164 (Article 74.6). – Schrottky, 1913a:230 (Argentina: Buenos Aires); Fritz, 1962:65 (synonymy).

Cerceris rugulosa Schrottky, 1909b:248, ♀, ♂. Syntypes: Argentina: Catamarca and Mendoza: no specific localities (probably lost: Fritz, 1989:268). Synonymized with *Cerceris polychroma* Holmberg by Fritz, 1962:65. – Jörgensen, 1912:288 (Argentina: Mendoza Province); Schrottky, 1913a:230 (Argentina: Catamarca, Mendoza); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Fritz, 1989:268 (in revision of *Cerceris rugulosa* species grup); Amarante, 2002:61 (in catalog of Neotropical Crabronidae); Dollfuss, 2021b:573 (Argentina: several localities).

Cerceris rugulosa forma *dismorphia* Schrottky, 1909b:249, ♂. Lectotype: ♂, Argentina: Catamarca: no specific locality (Mus. La Plata), designated by Fritz, 1989:268. Synonymized with *Cerceris rugulosa* by Fritz, 1989:268. – Schrottky, 1913a:230 (Argentina: Catmarca, Mendoza). – **As *Cerceris rugulosa dismorphia***: R. Bohart and Menke, 1976:586 (new status, in checklist of world Sphecidae).

690. *rustica* Taschenberg

Cerceris rustica Taschenberg, 1875:393, ♀. Holotype or syntypes: ♀, Brazil: Rio de Janeiro (Halle). – Schletterer, 1887:501 (in checklist of world *Cerceris*); Dalla Torre, 1897:474 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Dollfuss, 1989:8 (type material in NHMW); Amarante, 2002:61 (in catalog of Neotropical Crabronidae); Dollfuss, 2021b:573 (Argentina: Entre Ríos: Pipo; Ecuador: Napo Province: Loreto 70 km southwest of Coca).

Cerceris asuncionis Strand, 1910a:136, ♂, primary homonym of *Cerceris asuncionis* Strand, 1910a:141, now in *Foxita*. Holotype: ♂, Paraguay: Villa Morra (ZMHU). Synonymized with *Cerceris rustica* by Scullen, 1962:58. – Strand, 1927:253 (in list of species described by author).

691. *rutila* Spinola

Cerceris rutila Spinola, 1839:492, ♀. Syntypes: ♀, Egypt: no specific locality (M. Spinola collection, Torino). – Schletterer, 1887:477 (original description copied), 501 (in checklist of world *Cerceris*); Ed. André, 1889:340, and 1891:30* (unrecognizable species); Dalla Torre, 1897:474 (in catalog of world Hymenoptera); Kohl, 1916:122 (specimens in O. Radoszkowski collection, Kraków); Mochi, 1938:157 (in revision of Egyptian *Cerceris*), Guiglia, 1940a:282 (Libya: Cirenaica: Faidia); Giner Marí, 1941b:256 (in revision of North African *Cerceris*); Honoré, 1941a:149 (Egypt, correction to Mochi, 1938:fig. 4 of plate VI); Guiglia, 1942b:231 (Libya); de Beaumont, 1951b:176 (study of syntypes), 177 (synonymy cited), 1951f:361 (Egypt to Algeria; correction to Mochi, 1939, color variation), 1956a:187 (Libya); Bytinski-Salz, 1956:225 (Turkey); de Beaumont, 1960b:233 (Libya), 1967a:287 (Turkey); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:360 (in Sphecid Fauna of Western Europe); K. Schmidt, 2000:79 (in revision of Western Palearctic *Cerceris*); Roche, 2007a:134 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae, as *rutila rutila*), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae, as *rutila rutila*); Pagliano, 2014:113 (specimens in M. Spinola collection, Torino, including unpublished lectotype, are *Cerceris rutila*); Koçak and Kemal, 2015:141 (in checklist of Hymenoptera of Turkey, as *rutila* Giner Marí); Dollfuss, 2018:1159 (locality records from Tunisia); Ben Khedher, Yildirim, Braham, and Chaaban, 2019:193 (known from Tunisia: Tozeur Province); Ben Khedher, Yildirime, and Braham, 2020c:542 (Tunisia: previous records summarized, new locality records from Kebili, Mahdia, and Siliana provinces); Dollfuss, 2021:615 (Tunisia: five locality records); Malash, Edmardash, and Gadallah, 2022:37 (in catalog of Middle Eastern and North African Philanthinae); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt,

2022:266 (in revision of Sphecidae *sensu lato* of Europe); Madl, 2023:257 (in catalog of Crabronidae of Eritrea).

Cerceris excellens Klug, 1845:[30], pl. 47, fig. 15, ♂. Holotype or syntypes: ♂, Egypt: Saqqara (ZMHU). Synonymized with *Cerceris rutila* by Honoré, 1941:69, synonymy confirmed by de Beaumont, 1951b:177. – F. Smith, 1856:445 (in catalog of Hymenoptera in British Museum); Walker, 1871:27 (Read Sea coast of Africa: Harkeko); Taschenberg, 1875:390 (redescription); Schletterer, 1887:468 (original description copied), 491 (in checklist of world *Cerceris*); Ed. André, 1889:283 (in revision of Sphecidae of Europe and Algeria), 1891:29* (bibliographic references); Dalla Torre, 1897:459 (in catalog of world Hymenoptera); Storey, 1916:108 (Egypt: Mariut); D. Baker, 1997b:183 (in catalog of insects described by Klug, 1945).

Cerceris rubecula Schletterer, 1889a:899, ♀. Holotype: ♀, Egypt: Cairo (NHMW). Synonymized with *Cerceris rutila* by Kohl, 1916:123. – Dalla Torre, 1897:473 (in catalog of world Hymenoptera); von Schulthess, 1926b:211 (Tunisia, Libya); Kruger, 1929a:21 and 1929b:56 (Libya: Cyrenaica: Tobruk); nec Shestakov *in* Nadig, 1933:97 (= *Cerceris rutila lindenii*); Guiglia, 1934b:297 (Libya: bibliography and summary of locality records). − **As *Cerceris quadricincta* var. *rubecula*:** Graeffe, 1906:455 (new status, Tunisia: Tunis area).

Cerceris onophora Schletterer, 1889b:1124, ♀. Holotype: ♀, Tunisia: Tunis (Zurich). Synonymized with *Cerceris rutila* by de Beaumont, 1951b:178. – Dalla Torre, 1897:469 (in catalog of world Hymenoptera); nec W. Schulz, 1905b:57 (♀ = *Cerceris arenaria schulzi*, ♂ = *Cerceris spinipectus teterrima*); von Schulthess, 1926b:211 (Tunisia).

ssp. *lindenii* Lepeletier de Saint Fargeau

Cerceris lindenii Lepeletier de Saint Fargeau, 1845:19, ♀ (as *Lindenii*, incorrect original capitalization). Holotype: ♀, Algeria: Oran (MNHN, Lucas coll.). – Lucas, 1849:253 (Algeria: Oran; original description copied with modifications); F. Smith, 1856:446 (in catalog of Hymenoptera in British Museum); nec Schletterer, 1887:409 (= *Cerceris rufiventris*); Schletterer, 1887:496 (in checklist of world *Cerceris*); Ed. André, 1889:295, 322 (in revision of Sphecidae of Europe and Algeria), 1891:29* (bibliographic references); Acloque, 1897:81 (in Sphecid Fauna of France and Algeria); Dalla Torre, 1897:466 (in catalog of world Hymenoptera); Mercet, 1914:445 (recorded from Spain); Shestakov *in* Nadig, 1933:98 (Morocco: Tanger); Dusmet y Alonso, 1935:107 (Spain: Cádiz: Puerto de Santa Maria); Giner Marí, 1941b:253 (in revision of North African *Cerceris*, description of ♂), 1943a:102 (in Sphecid Fauna of Spain); de Beaumont, 1950c:323 (study of holotype); Ceballos, 1956:369 (in catalog of Hymenoptera of Spain). – **As *Cerceris rutila lindenii***: de Beaumont, 1950c:323 (new status), 1951f:362 (west of Algeria, Morocco; discussion); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); K. Schmidt, 2000:80 (in revision of Western Palearctic *Cerceris*); Malash, Edmardash, and Gadallah, 2022:37 (in catalog of Middle Eastern and North African Philanthinae).

As *Cerceris rubecula*: Shestakov *in* Nadig, 1933:97 (Morocco: Mulay-Idris), corrected to *Cerceris rutila lindenii* by de Beaumont, 1951f:362.

ssp. *mavromoustakisi* Giner Marí

Cerceris mavromoustakisi Giner Marí, 1945a:254, ♀, ♂. Syntypes: Cyprus: Limassol (MNCN). – Giner Marí, 1945a:248 (Cyprus); Pittioni, 1950:22 (Cyprus); Georghiou, 1977:189 (Cyprus). – **As *Cerceris rutila mavromoustakisi***: de Beaumont, 1951f:361 (new status); Bytinski-Salz, 1956:225 (Turkey: Antalya, Kasaba); de Beaumont, 1958d:285 (Cyprus), 1960a:8 (Greece: Island of Rhodes); de Beaumont and Bytinski-Salz, 1959:123 (Israel; additional description); de Beaumont, 1969:82 (Turkey); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Guichard, 1991a:339 (Jordan); K. Schmidt, 2000:80 (in revision of Western Palearctic *Cerceris*); Drewes, 2003:134 (Cyprus: Amathus, Limassol); Yildirim and Ljubomirov, 2005:1805 (Turkey: Erzurum: University campus); Ljubomirov and Yildirim, 2008:151 (in catalog

of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces); Dollfuss, 2018:1159 (locality records from Cyprus, Greece, Jordan, Syria, and Turkey), 2021c:615 (locality records from Greece, Israel, Jordan, Syria, and Turkey); Kaplan and Yildirim, 2021:99 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:37 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

692. *rybyensis* (Linnaeus)

Sphex rybyensis Linnaeus, 1771:13, sex not stated. Lectotype: ♀, Sweden: Södermanland: Ryby at 59º28'N 15º46'E (Linnean Society, London), designated by Day, 1979:71. – Day and Fitton, 1978:194 (recuration of Linnean type material). – **As *Philanthus rybyensis***: Thunberg, 1815a:127 (new generic assignment, diagnostic characters), 132 (redescription), 1815b:288 (diagnostic characters), 292 (redescription). − **As *Cerceris ornata* var. *rybyensis***: Becker, 1880:151 (new generic assignment, new status, Russia: Sarepta, now Krasnoarmeysk south of Volgograd). – **As *Cerceris rybyensis***: Kohl, 1880:144 (new generic assignment, Austria: Tirol, and Italy: Trentino–Alto Adige), 1883e:663 (Switzerland); Sickmann, 1883:82 (Germany: Niedersachsen: Wellingholthausen); von Heyden, 1884:118 (Germany: Frankfurt am Main); Sickmann, 1885:179 (Germany: Niedersachsen: Wellingholthausen); Wüstnei, 1886:40 (Germany: Schleswig-Holstein); Gasperini, 1887:16 (recorded from Dalmatia, now Croatia, by Germar, 1817, von Frauenfeld, 1861, and Kirchner, 1869); Schletterer, 1887:375 (in revision of Palearctic *Cerceris*); Ed. André, 1889:265, 275 (in revision of Sphecidae of Europe and Algeria, as *rybiensis*); Steck, 1890:168, 170 (in key to *Cerceris* of Switzerland); Ed. André, 1891:27* (bibliographic references, as *rybiensis*); F. Morawitz, 1891a:213 (Russia: Astrakhan' Governorate); Radoszkowski, 1892:590 (male genitalia); A. Costa, 1893b:8 (Tunisia); Kohl, 1893a:34 (Austria: Niederösterreich); F. Morawitz, 1893a:113 (Russia: Karelian Isthmus); Sickmann, 1893:92 (Germany: Niedersachsen: Iburg, analysis of color variation); Baldini, 1894:59 (Italy: Modena area); De Stefani Perez, 1894:216 (Italy: Sicilia); Krieger, 1894:12 (Germany: Kingdom of Saxony); Medina, 1894b:262 (Spain: Chiclana and Pozuelo de Calatrava); Schletterer, 1894:33 (Istria Peninsula, now part of Croatia, Slovenia, and Italy); De Stefani Perez, 1895:227 (in catalog of Sicilian Hymenoptera); Rudow, 1996:329 (Germany: Brandenburg: no specific locality, as *rybiensis*); Borries, 1897:54 (nesting habits); Dalla Torre, 1897:474 (in catalog of world Hymenoptera); Kozhevnikov, 1897:15 (Russia: Moscow Governorate, as *rybiensis*); Mocsáry, 1897:80 (Kingdom of Hungary, some localities are in today's Croatia, Romania, and Slovakia); Flamary, 1898:38 (France: Saône-et-Loire: Mâcon area); Medina, 1898:153 (Portugal: Vallongo); Alfken, 1899:109 (nesting habits); nec Ferton, 1899:345 and 1901a:109 (= *Cerceris circularis dacica* and *sabulosa*); Adlerz, 1901:186 (nesting habits); de Cobelli, 1903:109 (Italy: Province of Trentino); Strand, 1903:7 (first record from Norway: Austad); Adlerz, 1904:66 (nesting habits, known prey: Apidae, as *rybiensis*); Antiga and Bofill, 1904:19 (Spain: Cataluña Province); Aurivillius, 1904:274 (in revision of Swedish Sphecidae, as *rybiensis*); E. Saunders, 1904c:638 (Spain); Zilahi Kiss, 1904:77 (Hungary: Peér); Kubes, 1905:83 (Czech Republic: Kolín); Mosolov, 1905b:19 (Russia: Moscow Governorate: Mikhailovskoye); Dusmet y Alonso, 1906:7 (Spain, as *rybiensis*); Móczár and Henter, 1907:205 (Romania: Caraş-Severin: Mehadia); Schmiedeknecht, 1907:238, 242 (in key to Hymenoptera of Central Europe); de Gaulle, 1908:104 (in catalog of French Hymenoptera); Morley, 1909:305 (Great Britain: Isle of Wight); Cavro, 1910:685 (France: Département du Nord, as *rybiensis*); Dittrich, 1911b:25 (Germany: Niederschlesien Province, now Poland: Dolny Śląsk Region); Graeffe, 1911:48 (Italy: Trieste area); Mantero, 1911:73 (Italy: Sardegna: Isola dell'Asinara, as *rybiensis*); Birula, 1912:544 (Ukraine: Zhytomyr Oblast': Radomyshl'); Rudow, 1912:67 (preying on beetles *Cassida* and *Chrysomela*, in error); Schirmer, 1912:168 (Germany: Berlin area); R. Turner, 1912e:800 (in revision of *Cerceris* of Indian subcontinent; Kashmir, Simla); Zavattari, 1912:3 (Italy: Sardegna: Pantaleo); Kohl, 1913b:15 (Russia: Voronezh Oblast': Valuyki at 50°14'N 38°08'E); Torka, 1913:35 (Germany: Provinz Posen, now Poland: Poznań Region); Alfken, 1914:281 (northwestern Germany, as *rybiensis*); Birula, 1914:387 (Belorussia: Ambrosovichi near

Vitebsk); Shestakov, 1914b:408 (Russia: Provalskiy zavod in Oblast' Voiska Donskogo); Szilády, 1914:89 (Hungary: Runk); Dusmet y Alonso, 1915:87 (Spain: Aragón); Kohl, 1916:123 (specimens in O. Radoszkowski collection, Kraków); Ramakrishna Aiyar, 1916:557 (in catalog of Indian aculeates described after Bingham, 1897); Shestakov, 1916a:231 (Caucasus), 1917b:410 (Finland), 1917c:47 (Ukraine: Crimea, as *rybiensis*), 1918a:148 (Tajikistan and Turkmenistan); J.Ch. Bradley, 1991a:62 (*Philanthus ornatus* = *Cerceris rybyensis* is the type species of genus); Dubois, 1919:96 (Belgium: Bruxelles: Uccle, as *rybiensis*); Hallett, 1919:262 (Great Britain: Island of Guernsey); O. Meyer, 1919:155 (Germany: Posen Province, now Poland: Poznań Region); Strand, 1920:23 (Germany: Berlin-Dahlem); A. Wagner, 1920:39 (Germany: Lower Elbe region); Berland, 1921:533 (Greece); Dubois, 1922:210, 211, 212 (in key to Belgian Sphecidae); Fahringer, 1922:179 (Turkey); Gennerich, 1922:42 (cleaning apparatus); Hedicke, 1922:272 (Germany: Brandenburg: Gross Machnower Weinberg); Maidl, 1922:68 (Croatia); Shestakov, 1923:103, 105, 106 (in key to subgenus *Apiraptrix*, synonymy, distribution); Alfken, 1924:231 (northern Germany); Berland, 1925d:54 (in Sphecid Fauna of France); Bischoff, 1925:301 (Latvia: Wezkukkul; Poland: Białowieża); Coulon, 1925:116 (France; Romania: Bucharest; prey); Schütze, 1925:113 (Germany: Lausitz Region); Shestakov, 1925:36 (Russia: Yaroslavl' area); K. Strohm, 1925:74 (reference to Roth von Schreckenstein, 1802, and Leininger, 1922); Bouwman, 1926:280 (in list of Sphecidae of Netherlands); Friese, 1926:154 (in key to Sphecidae of Central Europe, short morphological and biological characteristics); Hémon, 1926:199 (France: Finistère: Fouesnant); Dusmet y Alonso, 1927:25 (Spain: Cataluña: Montserrat); von Schulthess, 1927:299 (Persian Golf: "Marmagoa, Goa"); Shestakov, 1927a:3 (Russia: Leningrad, Novgorod, Pskov, and Smolensk oblast's), 4 (Russia: Vladimir and Yaroslavl' oblast's), 5 (Russia: Kostroma Oblast'), 7 (Kursk Oblast'), 8 (Belorussia: Minsk area), 10 (Ukraine: Odessa and Poltava Oblast's), 11 (Ukraine: Kherson and Nikolayev oblast's), 19 (Stalingrad Oblast', now Volgograd Oblast'), 20 (Russia: Ural'sk Oblast', now Kazakhstan: Oral Oblast'); F. Werner, 1927:66 (Austria: Niederösterreich: Kamp River valley); Benoist, 1928:409 (France: Basses-Alpes: Barcelonnette); Bouwman, 1928a:362 (in revision of Sphecidae of Netherlands); Bristowe, 1928:9 (list of prey); Vorontsovskiy, 1928:44 (Russia: vicinity of Orenburg); Grandi, 1929:288 (Italy: Toscana: valle della Limentra); Hamm and Richards, 1930:106 (summary of nesting habits), 125 (list of prey); A. Müller, 1930:181 (Bulgaria: Kaliakra, also former Bessarabia); Schmiedeknecht, 1930:699, 702 (in keys to Hymenoptera of North and Central Europe); Vorontsovskiy 1930:65 (Russia: Orenburg Oblast', as *rybiensis*); Bischoff, 1931:9 (Spain, as *rybiensis*); Grandi, 1931:56 (Italy: Toscana: Vallata delle Pozze near Le Mandriole); Molitor, 1931a:87 (preying behavior); Pulkkinen, 1931:56 (in revision of Sphecidae of Finland); Thomas, 1931:255 (cephalic malaxation of prey and its significance); Bondroit, 1932:38 (Belgium: abundant in Bruxelles area); Giordani Soika, 1932a:21 (Italy: Lido di Venezia); Motaş, 1932:8 (nesting habits, from literature); Chambers, 1933:188 (Great Britain: Bedfordshire); Drogoszewski, 1933:118 (Poland: Łowicz, Opatów, as *ribensis*); Minkiewicz, 1933:103 (nesting habits); Molitor, 1933a:164 (preying on *Halictus*); E. Nielsen, 1933:303 (summary of nesting habits, original observations); Balles, 1934:21 (Germany: Baden-Württemberg: seven localities); Bondroit, 1934:60 (Belgium: Ostende, as *rybiensis*); Giner Marí, 1934:131 (Spain); Jansson, 1934:290 (Sweden); Minkiewicz, 1934:190 (list of prey, nesting season); Nadig, 1934:33 (Italy: Sardegna: Aritzo, Cagliari); Forsius *in* Forsius and Hellén, 1935:12 (in checklist of Hymenoptera of Finland, as *rybiensis*); Grandi, 1935a:110 (Italy); Marchand and Dulac, 1935:61 (France: Saône-et-Loire: Saint Laurent d'Andenay); Minkiewicz, 1935:196 (Poland: Kazimierz on Wisła at 51°20'N 21°58'E); Molitor, 1935a:163 (homing); Vergne, 1935:117 (France: Auvergne: common); Crèvecoeur and Maréchal, 1936:254 (in catalog of Belgian Hymenoptera); Pattri, 1936:113 (Germany: Hessen; Darmstadt area, on sandy habitats, as *rybiensis*); Wnukowskij, 1936:128 (Russia: Western Siberia: Tomsk); Dulac, 1937:8 (France: Saône-et-Loire: Saint-Laurent d'Andenay, as *rybiensis*); Goebel, 1937:44 (Poland: Poznań District: Głuszyna, Kobylopole, Poznań-Dębina, Puszczykowo, Strzeszyn, Strzeszynek, Zalasewo; prey: *Halictus pauxillus* Shuckard; color variation); Kolosov, 1937:219 (Ukraine: Kupyansk); Richards,

1937b:108 (in checklist of British aculeates); Zavadil, Šustera, and Bat'a, 1937:207 (in catalog of Sphecidae of Czechoslovakia); Guiglia, 1938b:8 (Italy: Sardegna); Móczár, 1938c:81 (Hungary: Kőszeg Hills); Molitor, 1938:442, 443 (color recognition); A. Wagner, 1938a:123 (northwestern Germany); Aerts, 1939:135 (Germany: Nordrhein-Westfalen: loess cliff at Weilerswist near Köln); Guichard, 1939b:78 (Great Britain: Surrey: Limpsfield Common); Móczár, 1939:5 (Hungary: Jászberény); Yarrow, 1939:16 (Great Britain: Dorset: Lytchett Minster); Dovnar-Zapolskiy, 1940:304 (Russia: Kursk Oblast', as *rybiensis*); Balthasar, 1941b:112 (Czech Republic: eastern Moravia); Giner Marí, 1941a:20 (in revision of Spanish *Cerceris*), 1941b:152 (in revision of North African *Cerceris*); Guiglia, 1941c:161 (Italy: Calabria: Grande Sila); Leclercq, 1941a:68 (Belgium: Pays de Liège), 1941b:13 (Belgium: Liège area); Paul, 1941:47 (Germany: Pommern: common in Central- and Ostpommern: no specific locality now Poland: Województwo Zachodniopomorskie); Schneid, 1941:1048 (Germany: Bayern: Bamberg area); Alfken, 1942:231 (Germany: Niedersachsen: Lüneburger Heide); Audcent, 1942:25 (nest parasites: *Metopia leucocephala* Rossi, *Pterella grisea* Meigen); J. Perkins, 1942:200 (Sweden: Skåne: Degaberga and Genarp); Spooner, 1942:110 (Great Britain: Bedfordshire); Boyd, 1943:163 (Great Britain: eastern Dorset); Giner Marí, 1943a:94 (in Sphecid Fauna of Spain); Guiglia, 1943d:91 (Albania: Scutari); Spooner, 1943:75 (Great Britain: Brighton, Bristol, Isle of Wight); Guiglia, 1944b:11 (Italy); Richards, 1944b:135 (prey: *Halictus calceatus* Scopoli, now *Lasioglossum calceatum*); Šnoflák, 1944a:144 (Czech Republic: serpentine steppe near Mohelno); Deleurance, 1946b:67 (France: Bouche-du-Rhône: Camargue: Bois des Rièges); Carl and de Beaumont, 1947:67 (Switzerland: Graubünden = Grisons Canton: Swiss National Park); Guiglia, 1947a:28 (Italy: Piano Maiuri); Bristowe, 1948:28 (nesting habits); de Hennin and Anciaux, 1948:74 (Belgium: between Sambre and Meuse rivers); Guichard and Yarrow, 1948:93 (Great Britain: London: Hampstead Heath); Šnoflák *in* Zavadil and Šnoflák, 1948:86, 94 (in key to Sphecidae of Czechoslovakia); de Andrade, 1949:10 (Portugal); Chambers, 1949:232 (Great Britain: Bedfordshire); Sala de Castellarnau, 1949:89 (Spain: Teruel: Bronchales); Aerts, 1950a:51 (Germany: Nordrhein-Westfalen: Rheidter Wertchens near Köln; prey); Balthasar, 1950:36 (individual variation); Cavro, 1950:37 (France: Département du Nord); de Beaumont, 1950f:397 (Algeria); Georgel, 1950:63 (France: Seine-et-Oise: Sucy-en-Brie); Niesiołowski, 1950:225 (Poland: Lubasz 40 km north of Tarnów); Szulczewski, 1950:106 (Poland: Wielkopolski National Park 15 km south of Poznań, as *rybiensis*); de Beaumont, 1951f:312 (Tunisia to Morocco; separation of *Cerceris rybyensis* from *C. sabulosa*, geographic variation in North Africa), 1951h:32 (Switzerland); Leclercq, 1951b:67 (yellow body pigments are pterines); Caruel, 1952a:62 (France: Marne Department); de Beaumont, 1952a:39 (in revision of *Cerceris* of France); de Cleu, 1953:50 (France: Ardèche River basin); de Beaumont, 1953g:120 (Morocco); Głowacki, 1953:520 (Poland: Podkowa Leśna and Brwinów near Warszawa); Heldmann, 1953:112 (Germany: Hessen: Eberstädter Düne near Darmstadt); Nouvel and Ribaut, 1953:177 (France: Haute-Garonne: Luchon, Sain-Béat, Hautes-Pyrénées: Cauterets,); Bischoff and Stadler, 1954:127 (Germany: Bayern: Romberg); de Beaumont, 1954e:86 (Italy); Fahlander, 1954:252 (Sweden: Gästrikland Region); Macko and Noskiewicz, 1954:180, 186 (Poland: Dolny Śląsk: Stolec at 50°35'N 16°53'E); Aerts, 1955:63 (Germany: Rheinland); Atanassov, 1955:203 (Bulgaria: five localities);Steiner, 1955:136 (France: Dordogne); Teschner, 1955:57 (Germany: Nordrhein-Westfalen: Hohe Ward near Münster); Vogrin, 1955:33 (Yugoslavia); Bajári, 1956a:80 (in catalog of Hungarian *Cerceris*, with list of localities); Ceballos, 1956:371 (in catalog of Hymenoptera of Spain, as *rybiensis*); Hertzog, 1956:181 (carrying prey venter to venter, keeping it with mandibles by antennae); Janvier, 1956b:203 (nests destroyed by rainy period); Morel, Nouvel, and Ribaut, 1956:337 (France: Département des Pyrénées-Orientales); Bajári, 1957a:32, 41 (in key to Hungarian Sphecidae); Grandi, 1957:388 (Italy: Abruzzi); Yeo, 1957:20 (Great Britain: Middlesex, now in London); Zirngiebl, 1957:184 (Germany: Rheinland-Pfalz: Pfalz region); Benno, 1958b:11 (in review of Dutch Sphecidae); de Beaumont, 1958c:202 (Swiss National Park), 1958d:270 (Greece); Nouvel and Ribaut, 1958:10 (France: Pyrénées-Orientales: Banyuls-sur-Mer area); Tonapi, 1958a:510 (spiracular structures); de Beaumont, 1959a:13 (Italy); Diniz, 1959:28 (Portugal:

seven localities); Olberg, 1959:25 (photographs of specimens visiting flowers of *Armeria maritima*, Plumbaginaceae and *Aster alpinus* L., Asteraceae), 91 (photograph of attempted mating by two males), 356 (photographs of nest building), 357 (photographs of female on ground with wings raised up and of female in flight), 358-359 (photographs showing females carrying prey), 361 (photograps of females carrying prey and entering nests); Scobiola-Palade, 1959:496 (Romania: Constanţa Region: Agigea); Suárez, 1959:54 (Spain: Almería Province); Wolf, 1959b:31 (Germany: Nassau); Hamann, 1960:199 (Austria: Oberösterreich: Mönchgraben at 48°13'N 14°21'E); Noskiewicz and Puławski, 1960:74, 78 (in key to Polish Sphecidae); Hoop, 1961:66 (Germany: Schleswig-Holstein); Atanassov, 1962:125 (Bulgaria: Petrich area); de Beaumont, 1962b:20 (Spain); Grandi, 1962:98 (Italy); Valkeila, 1962b:67 (southwestern Finland); Wengris, 1962:204 (Lithuania: Vilnius area); Erlandsson, 1963:66 (Denmark: Island of Bornholm); Felton, 1963:179 (Great Britain: Kent County); Hoop, 1963a:73 (Germany: Schleswig-Holstein: Reher Kratt); Babiy, 1964:117 (Austria: Land Salzburg); Ceballos, 1964:89 (in supplement to catalog of Spanish Sphecidae, as *rybiensis*); de Beaumont, 1964c:39 (in Sphecid Fauna of Switzerland); Hüsing and Jäger, 1964:192 (Germany: Sachsen-Anhalt: Nietleben near Halle), 199 (visiting flowers of *Achillea millefolium* L., Asteraceae, *Chaerophyllum temulum* L., Apiaceae, *Cirsium arvense* L., Asteraceae, and *Epilobium angustifolium* L., Onagraceae, nest vertical gallery, then horizontal); Valkeila, Brander, and Käpylä, 1964:75 (Finland: southern Finland: Forssa, Näyte); de Beaumont, 1965a:18 (Greece); B. Klug, 1965:138 (Germany: Baden-Württemberg: Freiburg im Breisgau area); Tsuneki, 1965d:5 (nesting habits review); Bonelli, 1966c:218 (Italy: Trentino–Alto Adige: Cavalese, Montagna, Piazzòl); Diniz, 1966:6 (Portugal: twenty localities); Scobiola-Palade, 1966b:391 (Romania: Tulcea District: Tulcea); Benno, 1967:35 (in checklist of Sphecidae of Netherlands); de Beaumont, 1967a:280 (Turkey; variation); Gauss, 1967:551 (Germany: Baden-Württemberg); J. Heinrich, 1967:70 (Germany: Bayern: Unterfranken District); Niedl and Deneš, 1967:85 (Czech Republic: Třeboň area); Scobiola-Palade, 1967b:40 (Romania); Benedek, 1968:71 (Hungary, floral records); Grozdanić and Vasić, 1968:131 (nesting habits); Leclercq, 1968b:39 (Great Britain: Kent); Parré, 1968:122 (Germany: Sachsen-Anhalt: Staβfurt); Scobiola-Palade, 1968b:141 (Romania: Island of Letea in delta of Danube), 1968c:383 (Romania: Cernica, Copăceni, Raduleşti, Urziceni); Tano, 1968:34 (Japan); Wolf, 1968:11 (Germany: Nordrhein-Westfalen: Siegen, inhabitant of forest edge); de Beaumont, 1969:82 (Turkey); Benedek, 1969a:83 (Hungary; marshy meadow); Dathe, 1969:439 (Germany: Berlin Zoological Garden); Lefeber, 1969c:233 (Netherlands: Sint-Pietersberg = Montagne Saint Pierre); Romanova, 1969:133 (Russia: North Caucasus); Zangheri, 1969:1700 (Italy: in catalog of flora and fauna of Romagna Region); Benedek, 1970:96 (Hungary: Tapolca); Lefeber and Petit, 1970:130 (Belgium: Plombières); Oehlke, 1970:686 (Democratic Germany); Tumšs, 1970:76 (Latvia); Dathe, 1971:234 (Germany: Berlin Zoological Garden; phenology); Petit, 1971:22 (Luxemburg: Echternach); Schmidt, 1971b:25 (Germany: Rheinland-Pfalz: Gonsenheimer Wald, Mainzer Sand); Scobiola-Palade, 1971:201 (in review of *Cerceris* of Romania); Stritt, 1971a:104 (Germany: Baden-Württemberg: Karlsruhe); Balthasar, 1972:397 (in Sphecid Fauna of Czechoslovakia); Haeseler, 1972:155, 168, 200 (Germany: Schleswig-Holstein; anthropogenic habitats); Kazenas, 1972b:130 (Kazakhstan); Kofler, 1972:105 (Austria: eastern Tirol); Oehlke, 1972:135 (Germany: Island of Hiddensee); Scobiola-Palade, 1972b:251 (Romania); Simon Thomas, 1972:177 (France); Erlandsson, 1974:63 (Spain: Ibiza); Kazenas, 1974b:109 (feeding on flowers of *Tamarix* sp., Tamaricaceae, in Kazakhstan), 110 (feeding on flowers of *Euphorbia* spp., Euphorbiaceae, in Kazakhstan); Kofler, 1974:319 (Austria: Kärnten); Simon Thomas, 1974:57 (Netherlands: Limburg: Tienray); Tsuneki, 1974a:371 (Korea); Frilli, and Pizzaghi, 1975:53 (Italy: Cerignale in Piacenza Province); Lefeber, 1975b:122 (Belgium); Lomholdt, 1975c:174 (in Sphecid Fauna of Fennoscandia and Denmark); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Haeseler, 1976b:72 (Germany: Friesian Islands: Island of Amrum); Simon Thomas, 1976:4 (France: Lot-et-Garonne: Forêt de Campet); Cretin and Robert, 1977:45 (France: Doubs: Chassagne-Saint Denis); Guichard, 1977:254 (Great Britain: Surrey); Kolesnikov, 1977:317 (Russia: Bryansk Oblast'); Ågren, 1978a:91 (mandibular gland), 1978b

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Spała Landscape Park); van Diemen, 2009:49 (Netherlands: airbase Gilze-Rijen); Venne, 2009:110 (Germany: Nordrhein-Westfalen: Holte-Stukenbrock, associated with *Frangula alnus* Miller, Rhamnaceae); Archer, 2010a:52 (Great Britain: Watsonian Nottinghamshire: Spalford Warren); Bitsch, 2010:119 (in supplement to vol. II of Faune de France, 1997: Frence: first records from: Aisne: Chézy-sur-Marne, Courtemont-Varennes, and Hautes-Alpes: Aspres-sur-Buech, Chorges); Burguet *in* Durand and Burguet, 2010:41 (France Département d'Ardèche: Ardèche Gorges); Ermilov and Mokrousov: 2010:91 (phoretic mites *Acarus siro* (L.) and *Imparipes haeseleri* Ebermann and Hall in Middle Volga Region of Russia); Esser, Fuhrmann, and Venne, 2010:35 (Germany: in checklist of aculeates of Nordrhein-Westfalen); Falk, 2010:92 (Great Britain: heathland sites in West Midlands region); Ghazi-Soltani, Ebrahimi, Iranipour, and Pour Abad, 2010:802 (Iran: East Azarbaijan: Marand: Zal); Ghazi-Soltani, Khaghaninia, and Shahim, 2010:638 (Iran: East Azerbaijan: Horand Forests); Hable, von der Dunk, and Knipfer, 2010:64 (Germany: Bayern: vicinity of Dietfurt); Hable, Kraus, von der Dunk, and Wickl, 2010:26 (Germany: Bayern: Sulz- and Ottmaringer Tal); Jakubzik, Kinkler, and Cölln, 2010:154 (Germany: Rheinland-Pfalz: Leverkusen-Steinbüchel); Johansson, 2010:121 (Sweden: Småland: upper Emå river valley); Mokrousov, 2010a:63 (Russia: Kirov and Nizhniy Novgorod Oblast', Chuvash Republic, Mari El Republic, Republic of Mordovia, Tatarstan: no specific localities), 2010c:108 (Russia: Chuvash Republic: State Nature Reserve Prisurskiy and National Park Chavash varmane); J. Neumayer, 2010:334 (Austria: Niederösterreich: Thayatal National Park); Rudoiskatel', 2010:148 (Russia: central and southern Ural Mountains); Sakenin, Samin, and Bagriacik, 2010:17 (Iran: Guilan: Rasht, Fooman); Saure, 2010a:87 (Germany: Berlin-Reinickendorf: Baumberge), 2010b:174 (Germany: Berlin-Reinickendorf: airport Tempel and Flughafensee Protected Area); Schmid-Egger, 2010a:14 (in red list of Aculeata of Germany: relatively common); Schmidt, 2010:132 (Germany: Bayern: collected along Main-Donau canal); Shorenko and Konovalov, 2010:29 (Ukraine: many localities); Smetana, Roller, Beneš, Bogusch, Dvořák, Holý, Karas, Macek, Straka, Šima, Tyrner, Vepřek, and Zeman, 2010:101 (Western Slovakia: recorded from Borská Nížina); Treiber, 2010:134 (France: départements du Bas-Rhin and du Haut-Rhin); Tüzün and Yüksel, 2010:4475 (Turkey: Niğde Province); van der Smissen, 2010a:333 (Germany: Schleswig-Holstein nd Mecklenburg-Vorpommern: locality records); Wurdack and Gack, 2010:153 (Germany: Baden-Württemberg: Kaiserstuhl); Baghirov, 2011b:155 (Russia: Altayskiy Kray: Savvushka; Altay Republic: Aktash, Chemal, Kosh-Agach); Cruz-Sánchez, Asís, Gayubo, Tormos, and González, 2011:500 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park: effects of wildfire); Falk, 2011:62 (Great Britain: Sussex: South Downs); Feoktistov, 2011:85 (Russia: Mordovian Nature Reserve); Gogala, 2011:32 (Slovenia); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Mokrousov, Berezin, and Egorov, 2011:82 (Russia: Chuvash Republic); Murai and Amr, 2011:113, 118 (first record from Syria: Al Thawrah Nature Reserve at 35°51'N 28°38'E); Rudoiskatel', 2011b:68 (Russia: Republic of Bashkortostan), 2011d:239 (Russia: central Ural Mountains); Saure, 2011a:5 (Germany: Berlin: former airport Tempelhof), 2011c:197 (Germany: Berlin-Spandau: Fort Hahneberg), 2011d:199 (Germany: Sachsen-Anstalt: conservation area “Heide südlich Burg”); Schmid-Egger, 2011a:37 (France: Parc National du Mercantour); Schwarz, Link, Pöll, Ambach, and Rabitsch, 2011:255 (Austria: Oberösterreich: Welser Heide); Shlyakhtenok, 2011:94 (Belorussia: city of Minsk); Theunert, 2011a:19 (Germany: in checklist of aculeates of Niedersachsen including city of Bremen); Tischendorf, Frommer, Flügel et al., 2011:113 (Germany: Hessen: not endangered); Tripotin, 2011:23 (France: Seine-Maritime: artificial sand site near Sandouville); Ziska and Saure, 2011:108 (Germany: Berlin: Tegeler Flieβ valley); Boillat, 2012:228 (Switzerland: in checklist of insects of Canton de Genève); Burguet *in* Durand and Burguet, 2012:2 (France: Puy-de-Dôme: sands Girauts-Faures in Orléat commune); Cölln, Jakubzik, and Kinkler, 2012:24 (Germany: Nordrhein-Westfalen: Leverkusen); Franzén, Molander, Norén, and Nilsson, 2012:26 (Sweden: Skäne: Kullaberg Peninsula); Gerth, Mayer, Hering, Wolf, Schaffer, and Bleidorn, 2012:9 (Germany: Sachsen: Bienitz in Leipzig); Kazenas, 2012b:170 (Kazakhstan: Korgalzhin State Nature Reserve); Nemkov, 2012c:448 (in catalog of Crabronidae of Russian Far East); Piguet and Dodelin,

2012:285 (France: Seine-Maritime: côteaux de Saint-Adrien); Polidori, García, and Nieves-Aldrey, 2012:280 (study of female antennal sensillae); Prisniy, 2012:53 (Russia: Belgorod Oblast'); Saure, 2012b:228 (Germany: Berlin-Spandau: Spandauer Forst); Shibayev and Polumordvinov, 2012:278 (Russia: Penza Oblast'); Shlyakhtenok, 2012a:171 (Russia: Krasnaya Polana near Sochi: collected in private plots), 2012b:91 (Belorussia: Beresina National Reserve: overgrowing dry meadow); Strumia, Pagliano, and Gayubo, 2012:56 (Italy: Toscana: Riserva di San Rossore); Tripotin, 2012:23 (France: Seine-Maritime: estuary of Seine river); Yildirim, 2012:79 (Turkey: Kars: Sarıkamış: Karakurt); Akulov and Proshchalykin, 2013:119 (Russia: Siberia: Krasnoyarsk Kray: 20 km south and 45 km northeast of Minusinsk, and near Nazarovo); Bitsch, Grouet, and Savina, 2013:292 (France: Pyrénées centrales: département d'Ariège: Ascou-Pailhères); Dyuzhaeva, 2013:116 (Russia: Samara Oblast': Zhiguli Nature Reserve); Flügel, 2013a:119 (Germany: Brandenburg: Pimpinellenberg near Oderberg), 2013c:303 (Germany: Hessen: Kassel); Kazenas, 2013a:153 (color photograph of adult wasp, short information on geographic distribution and nesting habits); Mokrousov, Ruchin, and Egorov, 2013:203 (Russia: Republic of Mordovia: Mordovian State Nature Reserve); Pankov, 2013:231 (Russia: Ivanovo Oblast'); Saure, 2013:18 (Berlin: Treptow-Köpenick: Gosener Wiesen); A. Scholz and Liebig, 2013:16 (Germany: Sachsen: in list of Sphecidae *sensu lato*); Shlyakhtenok, 2013:241 (in annotated catalog of aculeate wasps of Belorussia); Wiśniowski and Piotrowski, 2013:20 (Poland: Poleski National Park); Wiśniowski and Szczepko, 2013:26 (Poland: Kampinos National Park near Warszawa); Zettel, Zimmermann, and Wiesbauer, 2013:14 (Austria: Wien: Donaupark); Archer, 2014b:178 (Great Britain: urban and suburban gardens); Baldock, 2014:360 (Spain: Island of Mallorca); Flügel, 2014:254 (Brandenburg: Hangelsberger Heide); U. Frommer, 2014:26 (Germany: Hessen: Lorch); Ghahari, Hayat, Lavigne, and Ostovan, 2014:1417 (prey of asilid fly *Leptogaster pubicornis* Loew); Hellqvist, Abenius, and Norén, 2014:94 (Sweden: in catalog of Ampulicidae, Sphecidae, and Crabronidae, by provinces); J.-K. Kim, 2014:449 (in catalog of Sphecidae *sensu lato* of Korean Peninsula); Mokrousov and Vafin, 2014:60 (Russia: Republic of Tatarstan); Protsenko, Fateryga, and Ivanov, 2014:37 (Crimea: many localities); Ruchin and Antropov, 2014:38 (Russia: Republic of Mordovia); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:141 (in checklist of Hymenoptera of Turkey); Lett, 2015:5 (France: Loir-et-Cher: Gièvre); Mokrousov and Egorov, 2015:426 (Russia: Republic of Mordovia: Nature State Reserve Prisuskiy); P. Rosa and Pagliano, 2015:99 (Italy: Lombardia and Piemonte: Parco del Ticino); Samin and Bagriacik, 2015:72 (Iran: Mazandaran: Babol at 36°30'N 52°35'E); Saure, 2015:12 (Germany: Berlin-Lichterfelde); Schedl, 2015:948 (Austria: Tirol: Innsbruck: Botanical Garden); Simon, Lorthiois, and Macé, 2015:53 (France: alluvial terraces in Eure Department: Courcelles-sur-Seine, and Seine-Maritime Department: Anneville-Ambourville); Bleidorn, Gerth, Hopfe, et al., 2016:10 (Germany: Sachsen: Trages circa 20 km south of Leipzig); Cölln and Jakubzik, 2016:17 (Germany: Rheinland-Pfalz: Vulkaneifel District); Else, Bolton, and Broad, 2016:48 (in checklist of Aculeata of Great Britain and Ireland: England); Le Divelec, Chapelin-Viscardi, and Larivière, 2016:110 (northern France: in agricultural landscapes); Mokrousov and Popov, 2016:592 (Russia: Krasnodarskiy Kray); Reemer and Peeters, 2016:10 (Netherlands: Hulshorsterzand); Saure, 2016a:8 (Germany: Brandenburg: Uckermark District: dry slopes near Altgalow-Stützkow), 2016b:48 (Germany: Sachsen-Anhalt: fruit orchards), 1916c:204 (Germany: center of Berlin: Groβer Tiergarten Park); A. Scholz, 2016:71 (Germany: Sachsen: Kleinraschützer Heide); U. Sörensen, 2016:426 (Germany: Schleswig-Holstein: der Ochsenweg south of Leck); Stolle and Saure, 2016:921 (Germany: in list of Sphecidae *sensu lato* of Sachsen-Anhalt); Tomozii, 2016:77 (Romania: Ceahlău National Park); Wiśniowski, 2016:127 (Poland: Ojców National Park); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:25 (Turkey: Bayburt and Erzurum provinces, as *rybyensis rybyensis*); Arens, 2017a:642 (Greece: Peloponnesus), 649 (in key to males of Peloponnesus with irregular tergal maculation and basal platform on sternum II); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia); Durand and Burguet, 2017:2 (France: Puy-de-Dôme: Réserve Naturelle Nationale Chastreix-Sancy); Jahantigh, Rakhshani, Mokhtari,

and Ramroodi, 2017:80 (Iran: known from East Azerbaijan, Guilan, and Mazandaran provinces); Jansen, 2017:6 (Germany: Sachsen: Leipzig); Magdalou, 2017:14 (France: Pyrénées-Orientales: Réserves Naturelles Catalanes: Forêt de la Massane, Vallée d'Eyne); Shorenko, 2017:81 (in Crimea collected in May through September); Twerd, Krzyżyński, Waldon-Rudzionek, and Olszewski, 2017:6 (Poland: Inowroclaw and Janikowo: nesting in postindustrial soda ash dumping sites); Weiss, Herzner, and Strohm, 2017:3 (male pheromone glands); Dollfuss, 2018:1159 (locality records from Austria, Croatia, Czech Republic, Finland, France, Germany, Greece, Italy, Kazakhstan, Kyrgyzstan, Morocco, Portugal, Spain, and Tukey); Franken and Berg, 2018:67 (Netherlands: North Holland: sand dunes); Jacobs and Liebig, 2018:137 (Russia: Irkutsk Oblast': Bol'shoye Goloustnoye); Kraus and Wickl, 2018: (Germany: Bayern: Nürnberg); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); Carminati, Mora, and Cretin, 2019:27 (France: in list of Sphecidae *sensu lato* of Franche-Comté); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:9 (Azerbaijan: Nakhichevan Autonomous Republic); Olszewski and Kowalczyk, 2019:91 (Poland: Pomorze Gdańskie = Gdańsk Pomerania); Ruchin and Antropov, 2019a:13242 (Russia: Mordovia State Nature Reserve); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:18 (Iran: known from Alborz, East Azerbaijan, Guilan, and Mazandaran provinces); Vane-Wright, 2019:37 (Great Britain: Kent: Island of Bingley); Weiser, 2019:10 (Germany: Baden-Württemberg: Schwetzinger Hardt: colonization of deforested area); Ben Khedher, Yildirime, and Braham, 2020c:542 (previously recorded from Tunisia, but without specific locality); Kejval, Blažej, and Erhart, 2020:117 (western Czech Republic); Saure, 2020:276 (Germany: Sachsen-Anhalt: sand dunes); Shorenko, 2020:49 (Crimea: Karadag Nature Reserve); Danilov, Odintseva, and Odintsev, 2021:21 (Russia: previously recorded from Omsk Oblast'); Dollfuss, 2021a:952 (locality records from Albania, Austria, Bulgaria, Czech Republic, Germany, Greece, Mongolia, Montenegro, Romania, and Slovakia); Cross, Baldock, and Wood, 2021:66 (in catalog of Sphecidae *sensu lato* of Portugal); Dollfuss, 2021c:615 (locality records from Austria, Czech Republic, Hungary, Iran, Italy, Kazakhstan, Mongolia, Morocco, Romania, Spain, Tunisia, and Ukraine); Herb and Schmid-Egger, 2021:9 (Germany: Bayern: Kaufbeuren area); Kaplan and Yildirim, 2021:99 (in catalog of Crabronidae of Turkey); Olszewski, Wiśniowski, and Ljubomirov, 2021:85 (in commented list of Sphecidae *sensu lato* of Poland); Saure, 2021:83 (Germany: Brandenburg: Nature Reserve Ferbitzer Bruch near Potsdam); Jakubzik and Cölln, 2022:11 (Germany: Rheinland-Pfalz: Moselle River valley between Drohn and Kattenes); Malash, Edmardash, and Gadallah, 2022:38 (in catalog of Middle Eastern and North African Philanthinae); Pytel-Huta, Skyrpan, Tsaryk, Shydlovskyy, and Khamar, 2022:54 (western Ukraine); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:267 (in revision of Sphecidae *sensu lato* of Europe); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey); Langfeld, 2023:61 (Germany: Mecklenburg-Vorpommern: Baltic island Greifswalder Oie); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution); Olszewski, Sparks, Twerd, and Wiśniowski, 2024:5 (central Poland: common in river valleys: no specific localities); Pytel-Huta and Franchuk, 2024:89 (Ukraine: Rivno Nature Reserve).

? *Vespa infundibuliformis* Fourcroy, 1771:...

Philanthus ornatus Fabricius, 1790:225, sex not stated. Lectotype: ♀, Germany: no specific locality (ZMUC), designated by van der Vecht, 1961a:62. Synonymized with *Cerceris variabilis* by Dahlbom, 1845:XXIV. – Fabricius, 1793:290 (redescription), 1796:137 (in Index to his Entomologia Systematica, 1793); Panzer, 1799, Heft 63:10 (in revision of German insects, illustration of habitus); Roth von Schreckenstein, 1802:32 (Germany: Baden-Würtemberg); Fabricius, 1804:304 (redescription); Panzer, 1806:174 (in critical review of his earlier work); Jurine, 1807:202 (in checklist of European *Philanthus*); Thunberg, 1815a:128 (diagnostic characters), 133 (redescription), 1815b:288 (diagnostic characters); Peets, 1909-1911:68 (*Philanthus ornatus* of Panzer = *Cerceris rybyensis*); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino). – **As *Vespa ornata***: Turton, 1801:529 (new generic assignment, Germany). – **As *Cerceris ornata***: Latreille, [1805]:317 (new generic assignment, redescription); Spinola, 1806:99 (Italy:

Liguria, description of ♂); Walckenaer, 1817:37 (nesting habits, as Cercère orné), 80 (description, review of earlier references); Audouin, 1823a:357 (in Dictionnaire classique d'histoire naturelle, Walckener's, 1817 observations reported); Stephens, 1829a:368 (in catalog of British insects), 1829b:34 (in checklist of British insects); Vander Linden, 1829:119 (bibliographic references, redescription, Belgium: Bruxelles, Italy, most of Europe); Goureau, 1834:86 (nesting habits, as *ornatus*); Klug *in* Waltl, 1835:87 (in list of Hymenoptera of Andalusia); Shuckard, 1837a:239 (in revision of British Aculeata); Goureau, 1839:542 (preying on female halictids); von Siebold, 1839:52 (Germany: Danzig, now Poland: Gdańsk); Herrich-Schaeffer, 1840:296 (Germany: Bayern: Regensburg area); Dufour, 1841a:509 and 1841b:245 (digestive tract), 1841a:511 and 1841b:247 (male reproductive system), 1841a:512 and 1841b:248 (female reproductive system); Dahlbom, 1842a:16 (in review of Scandinavian aculeates); Lepeletier de Saint Fargeau, 1845:20 (in revision of world Hymenoptera); F. Smith, 1851c:42 (Great Britain: no specific locality); Wesmael, 1852:268 (Belgium); F. Smith, 1853:65 (in checklist of British Hymenoptera); Fabre, 1856a:138 (France: Vaucluse: Avignon area), 1856b:185 (list of prey); F. Smith, 1856:436 (in catalog of Hymenoptera in British Museum), 1858c:193 (in review of British Aculeata, redescription), 1865b:86 (Great Britain: Dorset County: Bournemouth); Belke, 1866:512 (Ukraine: Zhytomyr Oblast': Radomyshl'); A. Costa, 1867c:91 and 1869b:107 (in revision of Italian Sphecidae); Radoszkowski, 1870:104 (synonyms listed); Thomson, 1870:248 (in revision of Swedish wasps); A. Costa, 1872a:24 (Italy: in revision of Sphecidae of Kingdom of Naples); P. Ivanov, 1872:152 (Ukraine: Khar'kov Oblast': Kupyansk area); Dours, 1874:143 (in catalog of Hymenoptera of France); Thomson, 1874:243 (in revision of Hymenoptera of Scandinavia); Marquet, 1875:204 (France: Languedoc); Taschenberg, 1875:390 (Germany: Halle); Frivaldszky, 1876:354 (Hungary: Temes Komitat: Grebenácz, now in Romania: Timiş District); Girard, 1879:920 (morphology and habits); E. Saunders, 1880:276 (in revision of British Aculeata); Siebke, 1880:66 (Norway); Marquet, 1881:190 (southern France, preying on small Hymenoptera); Yaroshevskiy, 1881:123 (Ukraine: Khar'kiv Oblast': Khar'kiv, Kupyansk); A. Costa, 1883:57 (Italy: Sardegna: monti del Limbara); Harwood, 1884:211 (England: Essex: Colchester area); Magretti, 1884c:597 (Sudan: Sawakin, record erroneous for zoogeographic reasons); Baldini, 1894:59 (Italy: Modena area); De Stefani Perez, 1884b:199 (Costa's description copied); P. Marchal, 1887:27 (detailed study of nesting habits); Westerlund, 1893:26 (Russia: Karelian Republic: northern shore of Lake Ladoga); De Stefani Perez, 1894:216 (Italy: Sicilia); Laboulbène, 1895:180 (preying on Apidae); E. Saunders, 1896:118 (in revision of British Aculeata); Acloque, 1897:81 (in Sphecid Fauna of France and Algeria); Cuní y Martorell, 1897:331 (Spain: Cataluña: villa de Calella); G. Peckham and E. Peckham, 1898:2009 (Marchal's observations of 1887 summarized); Strand, 1898b:94 (Norway); Sladen, 1900:265 (Great Britain: Kent: Saint Margaret's Bay); Barnes, 1902:266 (Great Britain: Berkshire: Wellington College in Crowthorne); Chyzer, 1902:33 (Hungary); E. Saunders, 1902b:143 (British Channel Islands: islands of Guernsey and Jersey; France: Bretagne: Saint Briac), 1906:154 (*Cerceris ornata* is a synonym of *rybyensis*); Birula, 1912:532 (bibliographic reference to Belke, 1866); R. Perkins, 1924:229 (Great Britain: Devon), 1925:154 (Great Britain: Somersetshire: Portishead); Chambers, 1933:188 (Great Britain: Bedfordshire); Piek and Spanjer, 1986:182 (in list of Sphecidae with known prey).

Philanthus semicinctus Panzer, 1797, Heft 47:24, [♂]. Holotype or syntypes: ♂, Austria: Carinthia [= Kärnten]: no specific locality (depository ?). Synonymized with *Philanthus ornatus* by Panzer, 1806:174. – Peets, 1909-1911:68 (*Philanthus semicinctus* of Panzer = *Cerceris rybyensis*). – **As *Cerceris ornata* var. *semicincta***: Frivaldszky, 1876:354 (new generic assignment, new status, Hungary: Oravicza, now Romania: Caraş-Severin: Oraviţa); Chyzer, 1902:33 (Hungary).

Philanthus hortorum Panzer, 1799, Heft 63:9, [♀]. Holotype or syntypes: ♀, Germany: Bayern: Nürnberg: "in horto nostro botanico" = in our botanical garden (depository?). Synonymized with *Cerceris ornata* by Herrich-Schaeffer, 1840:296 (treated as *Cerceris ornata* var. *hortorum*). – Panzer, 1806:175 (in critical review of his previous work); Peets, 1909-1911:68 (*Philanthus hortorum* of Panzer = *Cerceris rybyensis*). – **As**

Cerceris hortorum: Spinola, 1808:179 (new generic assignment, Italy: Liguria: near Novas); Vander Linden, 1829:121 (bibliographic references, redescription, Italy: Rome); Dahlbom, 1844:203 (in revision of Sphecidae and Pompilidae); F. Smith, 1856:439 (in catalog of Hymenoptera in British Museum); Kirchner, 1867:221 (in catalog of European Hymenoptera); Rudow, 1996:329 (Germany: Brandenburg: no specific locality). – **As *Cerceris rybyensis hortorum***: S. Eck, 1979:23 (new status); K. Schmidt, 2000:174 (recognition of this subspecies is unjustified).

Crabro variabilis Schrank, 1802:339, sex not stated. Syntypes: Germany: Bayern (= Bavaria): Bettbrunn (destroyed). Synonymized with *Cerceris ornata* by Dahlbom, 1845:XXIV. – **As *Cerceris variabilis***: Dahlbom, 1844:196 (new generic assignment, in revision of Sphecidae and Pompilidae), 1845:498 (in key to world *Cerceris*), determination corrected to *Cerceris ornata* by Thomson, 1870:248; Eversmann, 1849:402 (Russia: between Ural Mountains and Volga); von Kiesenwetter, 1849:89 (Germany: Kingdom of Saxony: Dresden and Oberlausitz area); Wissmann, 1849:13 (Germany: Kingdom of Hannover: sandy habitats); Tischbein, 1850:9 (Germany: Rheinland-Pfalz: Herrstein in Fürstenthum Birkenfeld); Kirschbaum, 1853:46 (Germany: Herzogtum Nassau: Mainz-Mombach, Weilburg, and Wiesbaden); Kirchner, 1854:312 (Czechoslovakia: Kaplitz in Budweiser District, now České Budějovice); Kawall, 1857:24 (Kurland, now Latvia); Ruthe and Stein, 1857:314 (Germany: Berlin area); Schenck, 1857:146 (Germany: in revision of fossorial wasps of Nassau Region); A. Costa, 1858:20 (Italy: Campania: Monti Partenii in Benevento Region); Taschenberg, 1858:81 (in key to Sphecidae of Germany); Assmuss, 1859:613 (Russia: Moscow Governorate); Funk, 1859:58 (Germany: Bayern: Bamberg); Six, 1959:18 (Netherlands: Driebergen); Schenck, 1860:147 (Germany: Nassau Region); Brischke, 1862:102 (Germany: Preussen Province, now Poland: Pomorze Region); A. Costa, 1863:66 (Italy: Calabria Ulteriore: no specific locality); Taschenberg, 1866:190 (in revision of Hymenoptera of Germany); Jaennicke, 1867:147 (Germany: Hessen: Frankfurt area); Kirchner, 1867:221 (in catalog of European Hymenoptera); Schenck, 1867a:354 (Germany: Nassau Region); Dietrich, 1868:363 (Switlzerland: Zurich Canton); Jaennicke, 1868:9 (Germany: Hessen: Frankfurter Wald); Wierzejski, 1868:117 (Poland: Kraków area; Ukraine: L'viv and Podole region: common everywhere); Palma, 1869:42 (Italy: Sicilia settentrionale, as *variabilis* Dahlbom); von Aichinger, 1870:317 (Austria: Tirol); Schlechtendal, 1872:37 (Germany: Sachsen: Zwickau); Mocsáry, 1874:120 (Siebenbürgen: Grossscheuern, now Romania: Transylvania); Wierzejski, 1874:260 (Poland: Kraków; Ukraine: L'viv and Podole Region: Kalinowce); Beuthin, 1876:231 (Germany: Hamburg area); Schmiedeknecht, 1876:186 (Germany: Thüringen: Rothensteiner Felsen); nec Radoszkowski, 1877:63 (= *Cerceris bicincta schulthessi*, *integra*, *lunata*, *puncticeps*, *rubida*); Becker, 1880:151 (Russia: Sarepta, now Krasnoarmeysk south of Volgograd); Sajó, 1882:5 (Hungary); Friese, 1883:201 (Germany: Sachsen-Anhalt: Kösen, Weissenfels); De Stefani Perez, 1886:171 (Italy: Sicilia: monte di Renda near Palermo); Radoszkowski, 1886a:35 (Turkmenistan); Brischke, 1888b:98 (Germany: Preussen Province, now Poland: Pomorze Region); Assmuss, 1892:52 (Russia: earlier record from Moscow Governorate repeated); Bezzi, 1892:123 (Italy: Lombardia: Provincia di Pavia); Meunier, 1896:271 (Belgium: Bruxelles area, as *variabilis* Dahlbom); Lüderwaldt, 1897b:30 (Germany: Gollnow, now Poland: Pomorze Region: Goleniów); N. Arnold, 1902:89 (Russia: Mohilev Province, now Belorussia); Rudow, 1912:67 (preying on beetles *Cassida* and *Chrysomela*, certainly in error); Mercet, 1914:445 (recorded from Spain); Shestakov, 1918a:161 (revised data of Radoszkowski, 1877:63); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); Pagliano, 2014:111 (specimens in M. Spinola collection, Torino, are *Cerceris eryngii*, *Cerceris rybyensis*, and *Cerceris sabulosa*), 112 (specimen in M. Spinola collection, Torino, is *Cerceris* sp.).

Philanthus biguttatus Thunberg, 1815a:132, sex not stated. Lectotype: ♂, Sweden: no specific locality (Uppsala), designated by de Beaumont, 1950c:321. Synonymized with *Cerceris rybyensis* by Dalla Torre, 1897:475. – Thunberg, 1815a:127 (diagnostic characters), 1815b:288 (diagnostic characters).

Philanthus colon Thunberg, 1815:134, sex not stated. Holotype or syntypes: ♂, origin unknown (Uppsala). Synonymized with *Cerceris rybyensis* by de Beaumont, 1950c:321. – Dalla Torre, 1897:484 (in catalog of world Hymenoptera). – **As *Cerceris colon***: Thunberg, 1815a:128 (new generic assignment, diagnostic characters), 1815b:288 (diagnostic characters); Schulz, 1912:70 (new generic assignment); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae). **– As *Crabro colon* Cresson**: Bridwell, 1899:209 (new generic assignment, Kansas: Baldwin).

Cerceris kashmirensis Nurse, 1903a:524, ♀, ♂. Syntypes: India: Kashmir: no specific locality (BMNH). Synonymized with *Cerceris rybyensis* by R. Turner, 1912e:800.

Cerceris rybyensis dittrichi W. Schulz, 1904b:93, ♀ (as *Dittrichi*, incorrect original capitalization). Holotype or syntypes: ♀, Russia: eastern Siberia: no specific locality (coll. W. Schulz, Strassburg?). Synonymized with *Cerceris rybyensis* by Ljubomirov, 2001b:54. – Shestakov, 1914b:408 (Russia: Don area; as *Cerceris rybyensis* var. *dittrichi*). – **As *Cerceris rybyensis dittrichi***: Pulawski, 1965c:564 (new status, possibly synonym of *Cerceris rybyensis jacobsoni*); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); S. Eck, 1979:21 (bibliographic reference); Kazenas, 2001d:107, 109 (in key to *Cerceris* of Kazakhstan and Central Asia); Dollfuss, 2021a:954 (locality records from Greece, Kazakhstan, Mongolia, Syria, and Turkey), 2021:616 (locality records from Greece, Kazakhstan, Mongolia, Russia: Sikhote-Alin Mountains, and Turkey).

Cerceris rybyensis reginae S. Eck, 1979:22, ♀, ♂. Holotype: ♀, Sweden: Gotland: Lojsta (NRS). Synonymized with *Cerceris rybyensis* by K. Schmidt, 2000:173.

As *Cerceris albofasciata* (partly): Radoszkowski, 1877:62 (Uzbekistan), corrected to *Cerceris rybyensis* by Shestakov, 1918a:124.

As *Cerceris ariasi*: Giner Marí, 1945b:359 (Morocco: Ain Zorah), 369 (description of ♂), corrected to *Cerceris rybyensis* by de Beaumont, 1951f:312.

As *Cerceris dacica*: Atanassov, 1972a:191 (Bulgaria: Stara Planina Mountains) and 1972b:32, 37, 41, 48 (Bulgaria: Stara Planina Mountains), corrected to *Cerceris rybyensis* by Ljubomirow, 2019:94 and 101.

ssp. *fertoni* de Beaumont

Cerceris rybyensis fertoni de Beaumont, 1952a:42, ♀, ♂. Holotype: ♀, France: Corse: Bonifacio (MNHN). – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); S. Eck, 1979:21 (bibliographic reference); Pagliano, 1990:100 (in catalog of Italian Sphecidae); Gayubo, Borsato, and Osella, 1992:293 (France: Corse); Gayubo and Borsato, 1994:224 (France: Corse); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); K. Schmidt, 2000:175 (in revision of Western Palearctic *Cerceris*); Pagliano and Negrisolo, 2005:338 (in Sphecid Fauna of Italy); Dollfuss, 2018:1161 (Italy: Sardinia: Aulzo), 2021c:616 (France: Corse: Aullene and Kalvi), 617 (Italy: Sardegna: several localities).

Cerceris lieftincki Empey, 1969b:143, ♀, ♂. Holotype: France: Corse: Sartène (RMNH). Synonymized with *Cerceris rybyensis fertoni* by K. Schmidt, 2000:175. – **As *Cerceris sabulosa lieftincki***: R. Bohart and Menke, 1976:587 (new status, in checklist of world Sphecidae); Pagliano, 1990:100 (in catalog of Italian Sphecidae).

ssp. *jacobsoni* Shestakov

Cerceris jacobsoni Shestakov, 1923:110, ♀, ♂. Syntypes: Russia: Siberia: Irkutsk Oblast': Melnikovo and Kuzmikha (ZIN). – Shestakov, 1923:103, 105 (in key to subgenus *Apiraptrix*). – **As *Cerceris rybyensis jacobsoni***: Pulawski, 1965c:564 (new status); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae as synonym of *Cerceris rybyensis dittrichi*).

693. *sabulosa* (Panzer)

Philanthus sabulosus Panzer, 1799, Heft 63:13, [♂]. Holotype or syntypes: Switzerland ("Dn. Jurine"): no specific locality (depository?). – Panzer, 1806:175 (in critical review of his earlier work, status questionable);

Thunberg, 1815b:289 (diagnostic characters), 296 (redescription); Peets, 1909-1911:68 (*Philanthus sabulosus* of Panzer = *Cerceris emarginata*); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino). – **As *Cerceris sabulosa***: Germar, 1817:262 (new generic assignment, Dalmatia: Arbe, now Croatia: Rab); Shuckard, 1837a:244 (in revision of British Aculeata); von Siebold, 1839:52 (Germany: Danzig, now Poland: Gdańsk), record not confirmed by subsequent authors; F. Smith, 1851c:43 (Great Britain: Kent: Darenth, Faversham), 1853:65 (in checklist of British Hymenoptera), 1856:438 (in catalog of Hymenoptera in British Museum), 1858c:195 (in review of British Aculeata, redescription, obviously in error); von Frauenfeld, 1861:103 (Croatia: Dalmatia: no specific locality); A. Costa, 1863:66 (Italy: Calabria Ulteriore: Brancaleone), 1864c:124 (Italy: Campania: Benevento area); Radoszkowski, 1877:60 (Kazakhstan: Syr Daria steppe; Kyrgyzstan: Shahimardan; Gulcha; Uzbekistan: Samarkand; Zaravschan valley; also: Djuzak); E. Saunders, 1880:276 (in revision of British Aculeata); Harwood, 1884:211 (Great Britain: Essex: Colchester area); Radoszkowski, 1886a:35 (Turkmenistan), 1887a:44 (China: Tsinghai: Tsaidam region: no specific locality); E. Saunders, 1906:154 (*Cerceris sabulosa* of F. Smith is a synonym of *Cerceris quadricincta*); Shestakov, 1918:148 (as junior synonym of *Cerceris emarginata*); Richards, 1935:169 (*Cerceris sabulosa* has priority over *emarginata*), 1937b:108 (in checklist of British aculeates); Schneid, 1941:1048 (Germany: Bayern: Bamberg area); Balthasar, 1948:143 (Slovakia: Kovačov, Parkan); Šnoflák *in* Zavadil and Šnoflák, 1948:86, 94 (in key to Sphecidae of Czechoslovakia); Balthasar, 1950:36 (male with yellow gastral markings reduced to lateral spots); de Beaumont, 1952a:42 (in revision of *Cerceris* of France); Nouvel and Ribaut, 1953:177 (France: Central Pyrénées: common in lower parts of Garonne River valley); de Beaumont, 1954e:86 (Italy); Grandi, 1954:158 (nest structure, prey: *Halictus* spp., halictid bees), 237 (Italy); Hertzog, 1954:100 (France: Bouches-du-Rhône: Camargue); Noskiewicz, 1954:315 (first record from Poland: Góry Pieprzowe near Sandomierz); Steiner, 1955:136 (France: Dordogne); Bajári, 1956a:80 (Hungary: Gyüjtési); Bytinski-Salz, 1956:224 (Turkey: ten localities); Morel, Nouvel, and Ribaut, 1956:337 (France: Département des Pyrénées-Orientales); Bajári, 1957a:32, 42 (in key to Hungarian Sphecidae); de Beaumont, 1957b:131 (northern Iran); Grandi, 1957:388 (Italy); Benno, 1958b:11 (in review of Dutch Sphecidae); de Beaumont, 1958d:271 (Greece), 278 (Cyprus; color variation); Nouvel and Ribaut, 1958:10 (France: Pyrénées-Orientales: Banyuls-sur-Mer area); Pulawski, 1958a:165 (Bulgaria: Aitos, Akhtopol, Kurilo, Nesebar, Sandanski, Sozopol; difference from *Cerceris rybyensis*); van der Zanden, 1958b:90 (France: Pyrénées-Orientales: Los Masos); de Beaumont, 1959a:12 (Italy); de Beaumont and Bytinski-Salz, 1959:109 (Israel); Grandi, 1959b:287 (Italy: Ferrara: Valle Pega and Livorno: Quercianella); Suárez, 1959:54 (Spain: Almería Province); Wolf, 1959b:31 (Germany: Nassau); de Beaumont, 1960a:6 (Greece: Island of Rhodes), 1960c:171 (Afghanistan), 1961b:273 (Afghanistan), 1961c:45 (Greece: Island of Crete), 1961e:3 (Iraq); Grandi, 1961:170 (nesting habits), 488 (description of larva), 1962:98 (Italy); de Beaumont, 1962b:20 (Spain); Lehrer and Scutaru, 1963:284 (Romania: Moldova: Baia in Suceava District, Iaşi); Ceballos, 1964:89 (in supplement to catalog of Spanish Sphecidae); de Beaumont, 1964c:40 (in Sphecid Fauna of Switzerland); Evans, 1964b:278 (discussion of Grandi, 1961 description of larva); de Beaumont, 1965a:18 (Greece); Derwesh, 1965:70 (Iraq: no specific locality); Isensee, Lesemann, and Röseler, 1965:612 (Spain: Gerona: no specific locality); B. Klug, 1965:138 (Germany: Baden-Württemberg: Freiburg im Breisgau area); Roberti, Frilli, and Pizzaghi, 1965:109 (Italy: Emilia-Romagna: Piacenza, Marsaglia and Nibbiano in Piacenza Province); Tsuneki, 1965d:5 (prey record summary: Hymenoptera); Bonelli, 1966c:218 (Italy: Trentino–Alto Adige: Montagna); Diniz, 1966:6 (Portugal: twenty two localities); Scobiola-Palade, 1966b:392 (Romania: Tulcea District: C.A. Rosetti, Periprava); Balthasar, Hrubant, and Hrubant, 1967:174 (Bulgaria: Slanchev Bryag near Nessebar); Benno, 1967:35 (in checklist of Sphecidae of Netherlands); de Beaumont, 1967a:280 (Turkey); Gauss, 1967:551 (Germany: Baden-Württemberg); J. Heinrich, 1967:70 (Germany: Bayern: Karlstadt and between Marktheidenfeld and Homburg); Niedl and Deneš, 1967:85 (Czech Republic: Třeboň area); Sco-

biola-Palade, 1967a:161 (Romania: Constanţa District: Comarova, Hagieni), 1967b:40 (Romania); Benedek, 1968:71 (Hungary, floral records); Leclercq, 1968:map 1200 (Belgium: distribution); Scobiola-Palade, 1968b:142 (Romania: Island of Letea in delta of Danube), 1968c:383 (Romania: Alexandria, Andronache, Brăneşti, Comana, Ciornuleasa, Moara, Nanov, Păsarea, Sărată); de Beaumont, 1969:82 (Turkey); Benedek, 1969a:83 (Hungary; marshy meadow); Zangheri, 1969:1700 (Italy: in catalog of flora and fauna of Romagna Region); Benedek, 1970:96 (Hungary: Tapolca); de Beaumont, 1970a:396 (Afghanistan), 1970c:5 (Iran: Gilan); Gauss and Perraudin, 1970:360 (Germany: Baden-Württemberg: Bodensee area); Schmidt, 1971b:26 (southern Germany); Scobiola-Palade, 1971:202 (in review of *Cerceris* of Romania); Stritt, 1971a:104 (Germany: Baden-Württemberg: Karlsruhe); Tsuneki, 1971l:423 (Mongolia); Balthasar, 1972:398 (in Sphecid Fauna of Czechoslovakia); Kazenas, 1972b:130 (Kazakhstan); Myartseva, 1972a:93 (Turkmenistan); Scobiola-Palade, 1972a:149 (Romania: delta of Danube: Caraorman); Simon Thomas, 1972:178 (France: Gironde, Landes, a misidentification: see Simon Thomas and Veendndaal, 1974b:4); Erlandsson, 1974:63 (Greece, Italy, Malta, Spain, Yugoslavia); Kazenas, 1974b:109 (feeding on flowers of *Tamarix* sp., Tamaricaceae, *Statice gmelini* Willd., Plumbaginaceae, *Cynanchum sibiricum* Willd., Asclepiadaceae, in Kazakhstan), 110 (feeding on flowers of *Euphorbia* spp., Euphorbiaceae, *Nitraria schoberi* L., Zygophyllaceae, and *Daucus carota* L., Apiaceae, in Kazakhstan), 111 (feeding on flowers of *Thymus marschallianus* Willd., Lamiaceae, *Mentha aquatica* L., Lamiaceae, and *Barbarea vulgaris* R. Br., Brassicaceae, in Kazakhstan), 112 (feeding on flowers of *Apocynum lancifolium* Russ., Apocynaceae, in Kazakhstan); Kofler, 1974:320 (Austria: Kärnten); Scobiola-Palade, 1974:144 (Romania: Sărăturile sandbank in delta of Danube); Simon Thomas and Veenendaal, 1974b:4 (France); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Guichard, 1978:270 (Greece); Kazenas, 1978b:53, 56 (in key to Sphecidae of Kazakhstan and Central Asia); Leclercq, 1978b:map 1200 (distribution in Belgium); Marion, 1978:86 (France: Nièvre Department); Pulawski, 1978:190 (in key to Sphecidae of European part of USSR); Benedek, 1979:227 (Hungary: Bakony Hills); Kazenas, 1979d:68 (Russia: Primorskiy Kray; recognition characters); Lefeber, 1979:11 (in checklist of Sphecidae of Netherlands), 32 (Netherlands: distribution map); Radović and Krunić, 1979:unpaginated foldout (nesting in coarse sand and loose soil, foreleg structure); Schmidt, 1979b:305 (Germany: Baden-Württemberg); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); Guichard, 1980:230 (Oman); Mityaev, Matesova, Kulenova, Kazenas, and Zhdanko, 1980:121 (Russia: Siberia: Altayskiy Kray: basin of Aley River); Pagliano, 1980:125 (Italy: Piemonte); Richards, 1980:84 (in key to Sphecidae of British Isles); Józan, 1981:304 (Hungary: Hortobágy National Park); van der Zanden, 1981:130 (Netherlands: Rhenen); Gayubo, 1982b:59 (Spain: Ávila, Cáceres, and Salamanca provinces), 1982e:111 (Spain: Cádiz Province); Dollfuss, 1983b:25 (in catalog of Sphecidae of Austria); Gayubo, 1983a:126 (prey: *Halictus* sp., halictid bee), 1983e:239 (Spain: Salamanca Province); Islamov and Kazenas, 1983:45 (Uzbekistan); Józan, 1983:99 (Hungary); Schmidt and Westrich, 1983:125 (Greece); Gayubo, 1984c:384 (Portugal: El Algarve Province); Gayubo and Tormos, 1984:26 (Spain: Valencia); Kazenas, 1984a:53 (in revision of *Cerceris* of Kazakhstan and Central Asia); Chevin and Chevin, 1985:39 (France: Aude); Gayubo, 1985c:173 (Spain: Valladolid: Hornillos, Puenteduro, Rioseco, Valladolid); Józan, 1985a:182 (Hungary), 1985b:62 (Hungary south of Lake Balaton), 82 (floral records), 85 (ecological and zoogeographic characteristics); Radović, 1985:66 (sting apparatus analyzed); Scobiola-Palade, 1985:96 (Romania: delta of Danube); Westrich and Schmidt, 1985b:110 (Germany: endangered in Baden Württemberg); Wolf, 1985a:6 (Germany: Frankfurt area); Gayubo, 1986a:68 (Spain: Ciudad Real Province), 1986b:42 (Spain: Andalucía), 1986d:124 (Spain: Zamora Province); Gayubo and Heras, 1986:74 (Spain: Segovia and Valladolid provinces; floral records); Gayubo and Sanza, 1986:89 (Spain: Burgos, Soria); Gayubo and Tormos, 1986a:19 (Spain: Castellón de la Plana); Islamov, 1986:519 (Uzbekistan: Surkhandarya and Tashkent Oblast's); Józan, 1986:375 (Hungary: Kiskunság National Park); Pagliano, 1987:160 and 165 (in key to *Cerceris* of Italy); Scobiola-Palade,

1987:64 (Romania: Dobrogea); Tormos and Jiménez, 1987a:128 (Spain: Valencia), 1987b:317 (Spain: Valencia Province: Dehesa de El Saler); Asís and Jiménez, 1988:277 (Spain: Castellón Province); Dollfuss, 1988:20, 31 (Austria: Bisamberg near Vienna; Niederösterreich: Oberweiden); Karsai, 1988:101 (Hungary: Kiskunság National Park); Pagliano, 1988:165 (in revision of Italian Philanthinae); Józan, 1989:102 (Hungary: Tihany Nature Reserve); Pádr *in* Šedivy, 1989a:166 (in checklist of Czechoslovakian Sphecidae); Scobiola-Palade, 1989:87 (Romania: delta of Danube); Gayubo, Asís, and Tormos, 1990b:81 (Spain); Jacobs and Oehlke, 1990:122 and 219 (not collected in Democratic Germany after 1960); Kuznetzova, 1990:18 (Russia: Voronezh Oblast': Galich'ya Gora Nature Reserve); Pádr, 1990:69 (Czech Republic: Praha area); Pagliano, 1990:100 (in catalog of Italian Sphecidae); Schwammberger and Priesner, 1990:554 (Austria: Kärtnen); Asís, Gayubo, and Tormos, 1991d:7 (nest an prey); Chinin, 1991:111 (Russia: Samara Oblast'); Dollfuss, 1991:222 (in key to Sphecidae of North and Central Europe); Gayubo, Borsato, and Osella, 1991:423 (Italy); Gayubo and Torres, 1991:Table I and p. 81 (Spain: Salamanca; effects of urban pressure); Józan, 1991:605 (Hungary: Bátorliget Nature Reserve); Negrisolo, 1991:324 (Italy: Udine and Venezia provinces); Schembri, 1991:178 (Malta); Delarze, 1992:67 (Switzerland: Valais: Les Follatères); Gayubo, Borsato, and Osella, 1992:29 (Greece); Józan, 1992c:290 (Hungary: Zselic Hills); K. Weber, 1992:86 (Germany: Bayern: Bamberg District); Guichard, 1993a:157 (Arabian Peninsula); Józan, 1992a:230 (Hungary: Béda-Karapancsa Protected Area); Nemkov, 1992b:251 (Russia: Far East: Dim near Khingan Nature Reserve); Gorobchishin, 1993:47 (Ukraine: Kanev Nature Reserve); Torregrosa, Gayubo, Tormos, and Asís, 1993:21 (Spain: Alicante Province); Blagoveshchenskaya, 1994:92 (Russia: Ul'yanovsk Oblast'); Gayubo and Borsato, 1994:224 (Italy: Veneto, Friuli, Toscana, Sardegna; France: Corse); Roche and Zalat, 1994:117 (Egypt: Sinai Peninsula); Schmid-Egger, 1994b:17 (Germany: conservation in upper Rhein area); Tormos, Asís, and Gayubo, 1994:190, 227 (Spain: Albacete Province); Gorobchishin, 1995:19 (Ukraine: Kanev Nature Reserve); Jansen and Kaluza, 1995:7 (Germany: extinct in Sachsen); Józan, 1995:106 (Hungary: projected Duna-Dráva National Park); Negrisolo, 1995a:18 (visiting flowers of *Eryngium maritimum* L., Apiaceae), 19 (visiting flowers of *Echinophora spinosa* L., Apiaceae), 23 (Italy: Veneto); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Pagliano and Pesarini, 1995:93 (Italy: Ferrara Province); Scharrer, 1995:31 (Austria: Wien area; France: Gard: Nîmes; Slovenia: Piran, Portorož); Schmid-Egger, Risch, and Niehuis, 1995:169 (Germany: earlier records from Rheinland-Pfalz are not confirmed); Yeo and Corbet, 1995:39 (in field guide to British solitary wasps); Gorobchishin, 1996:53 (Ukraine: Kanev Nature Reserve); Harvey and Plant, 1996:81 (Great Britain: records from Essex are questionable); Kuhlmann, 1996:219 (Portugal: Serra de Estrela); Minoranskiy and Shkuratov, 1996:81 (Russia: Rostov Oblast'); Schmid-Egger, Schmidt, and Doczkal, 1996:376 (Germany: Baden-Württemberg: endangered); Voblenko, Gorobchishin, and Nesterov, 1996:15 (Ukraine: Polesye Region); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:363 (in Sphecid Fauna of Western Europe); Celary, 1997:61 (in checklist of Animals of Poland); Else and Field *in* R. Edwards, 1997:96 (Great Britain and Ireland: last collected in 1860, prey, nesting habits, map of distribution by Archer and Roberts); Schmid-Egger and Niehuis, 1997:14 (Germany: Rheinland-Pfalz); Schmidt and Schmid-Egger, 1997:8 (in checklist of German Sphecidae); Dollfuss, Gusenleitner, and Bregant, 1998:525 (Austria: summary of collecting records from Burgenland); Józan, 1998:312 (Hungary: Duna-Dráva National Park); Gorobchishin, 1998a:50 (Ukraine: Kiev and surroundings); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); K. Weber, 1998:135 (Germany: Bayern: Bamberg area); Gayubo, García, Torres, and González, 1999:91 (Spain: Soria Province); W. Klein, 1999:34 (in improved key to *Cerceris* of Benelux); Neumayer, Schwarz, and Bregant, 1999:223 (Austria: in checklist of Sphecidae of Land Kärnten); Pagliano and Scaramozzino, 1999:161 (Italy: Piemonte: Borgomale); Pauly, 1999:111 (in catalog of Belgian aculeates); M. Schwarz, 1999:88 (Austria: Oberösterreich: city of Linz area): Tüzün, Gülmez, and Bağriaçik, 1999:386 (Turkey: Aegean Region); Blösch, 2000:427 (in Sphecid Fauna of Germany); Dressler, 2000:31 (Germany: Hessen: Darmstadt area); Esenbekova and Kazenas, 2000:78 (southeastern Kazakhstan: sixteen localities);

Gayubo, González, and Torres, 2000:187 (Spain: Salamanca Province); Giachino, Grosso, Marchetti, Pagliano, Scaramozzino, and Vailati, 2000:110 (Greece); Józan, 2000:114 (Hungary: Bakony Mountains); Ljubomirov, 2000:7, 14 (Bulgaria, specimens in N. Nedelkov collection); Schmid-Egger, 2000b:275 (Germany: Baden-Württemberg: shores of Rhine River); K. Schmidt, 2000:175 (in revision of Western Palearctic *Cerceris*); Shkuratov, 2000:55 (Russia: Rostov Oblast': Vëshenskaya village area at 49°37'N 41°45'E); Vicidomini, 2000a:135 (Italy: Monte Nuovo near Napoli), 2000b:23 (Italy: previously recorded from Campania); Kazenas, 2001b:58 (in checklist of Sphecidae of Kazakhhstan and Central Asia), 254 (review of known biology), 2001d:107, 109 (in key to *Cerceris* of Kazakhstan and Central Asia); Kazenas and Esenbekova, 2001:136 (Kazakhstan: Almatinskiy Nature Reserve); Ljubomirov, 2001b:54 (Bulgaria: Mount Vitosha near Sofia); Mazzucco, 2001:203 (Austria: Niederösterreich: Steinfeld); Ohl et al., 2001:138 (distribution in Germany by provinces); Salzmann-Wandeler and Rezbanyai-Reser, 2001:158 (Switzerland: Tessin Canton: Meride area); Schmid-Egger, 2001:17 (France: Alsace: Bollenbergs), 119 (distribution in Central Europe); Tüzün, 2001:44 (Turkey); Zettel, Gross, and Mazzucco, 2001:81 (Austria: Wien); Józan, 2002:54 (Hungary: Mecsek Mountains); Kazenas, 2002a:152 (geographic distribution, collecting localities in Kazakhstan); Lukáš, 2002:190 (Slovakia: Hájnica hill near Trenčianske Bohuslavice); Shkuratov, 2002b:139 (Russia: Rostov Oblast': Rostovskiy Nature Reserve at 46°27'N 42°41'E); Drewes, 2003:134 (Croatia, France, Hungary, Italy, Spain: miscellaneous locality records); Generani, Pagliano, Scaramozzino, and Strumia, 2003:65 (Italy: Arcipelago Toscano); Gorobchishin, 2003:48 (Ukraine: Kiev: botanical garden); Józan, 2003:228 (Hungary: Látrányi Puszta Nature Conservation Area); Lukáš, 2003:73 (Slovakia: Bratislava: old fruit orchard); Mandery, Kraus, Voith, Wickl, Scheuchl, Schubert, and Warncke, 2003:63 (Germany: in catalog of wasps and bees of Bayern); Nieves-Aldrey, Fontal-Cazalla, Garrido-Torres, and Rey del Castillo, 2003:42 (Spain: Madrid: Estación Biogeológica de El Ventorrillo in Sierra de Guadarrama); Protsenko, 2003:68, 69 (Ukraine: Odessa Oblast': Island of Malyi Tataru in Danube delta at 45.21°N 29.00°E); Schmid-Egger, 2003:751 (Italy: Sicilia: five localities; Malta: Mgarr); Wagemann, 2003:27 (Germany: Rheinland-Pfalz: Ebenberg Nature Reserve); Wickl, Voith, Mandery, Weber, Kraus, Bausenwein, and Blösch, 2003:195 (Germany: Bayern: no longer endangered); Ebermann and Hall, 2004:942 (parasite: scutacarid mite *Imparipes breganti* Ebermann and Hall); Gadallah and Assery, 2004a:235 (in catalog of Sphecidae of Saudi Arabia); Gayubo et al. 2004:132 (Spain: Madrid: Estación Biogeológica de El Ventorrillo in Sierra de Guadarrama); Gorobchishin, 2004:34 (Ukraine: Zaporiz'ka Oblast': Obitichna Kosa Nature Reserve); Gorobchishin and Protsenko, 2004:39 (Ukraine: Kherson Oblast': Chernomorskiy Nature Reserve); Hellrigl, 2004a:172 (Italy: Trentino-Alto Adige, as Südtirol: Bozen = Bolzano); Kazenas, 2004b:113 (Kazakhstan: western Tien Shan), 2004d:37 (Kazakhstan: Grebenshchikov and Inderbrodskiy on Ural River); Klein and Lefeber *in* Peeters, van Achterberg, et al., 2004:364 (in Wasp and Ant Fauna of Netherlands); Nazarova, 2004:108 (Tajikistan: Badakhshan Region: Rushan District: villages Dasht and Visav in Bartang River valley); Shkuratov, 2004a:74 (Russia: Rostov Oblast', prey: *Nomioides minutissima* Rossi, a bee); Skibińska *in* Bogdanowicz, Chudzicka, Pilipiuk, and Skibińska, 2004:355 (in catalog of Polish Crabronidae); Stolle et al., 2004:371 (Germany: Sachsen-Anhalt: found before 1950); van Achterberg and Peeters, 2004:32 (in checklist of Sphecidae of Netherlands); Wiśniowski, 2004:53 and 63 (in checklist of Polish Sphecidae); Burger, 2005:31 (Germany: Thüringen); Cruz-Sánchez, Gayubo, González, and Torres, 2005:221 (Spain: Salamanca: San Martín del Castañar); Ebrahimi, 2005:130 (in key to selected Iranian Sphecidae); Jacobs, 2005a:442 (Bulgaria); Kofler, 2005:185 (Austria: Tirol: Lienz District: Auwald in Lavant Common); Nazarova, 2005:94 (alfalfa fields in southwestern Tajikistan); Pagliano and Negrisolo, 2005:339 (in Sphecid Fauna of Italy); Shorenko, 2005a:168 (Ukraine: Crimea), 2005b:99 (Ukraine: Crimea: Karadagh Nature Reserve); Yildirim and Ljubomirov, 2005:1805 (Turkey: Artvin, Balıkesir, Bayburt, Bilecik, Bingöl, Erzincan, Erzurum, Iğdır, İçel, Kahramanmaraş, and Kars provinces); Gorobchishin, 2006:144 (Ukraine: many localities); Liška, 2006:88 (Slovakia: Váh river

valley near Trenčin); Ljubomirov, 2006:538 (Bulgaria: earlier records from Rhodope Mountains summarized, also Peshtera, and Teshel Village, as *sabulosa sabulosa*); Magdalou, 2006a:8, 12 (France: Pyrénées-Orientales: Réserve Naturelle de la Massane); Standfuss and Standfuss, 2006b:100 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Archer, 2007e:79 (Great Britain: extinct or vagrant); Jacobs, 2007:182, 186 (in key to Crabronidae of Germany); Józan, 2007:180 (Hungary: Zselic hills); Kazenas, 2007a:94 (Kazakhstan: Akmala Oblast': Kurgandzhin Nature Reserve and vicinity); Vago, 2007:174 (France: département du Nord); Vepřek and Straka, 2007:210 (in catalog of Sphecidae of Czech Republic and Slovakia, as *sabulosa sabulosa*); Vicidomini and Pignataro, 2007:2 (Italy: Salerno: known from Parco Nazionale del Cilento e Vallo di Diano), 15 (Italy: Provincia di Salerno: Capaccio); Yildirim and Ljubomirov, 2007:119 (Turkey: İçel, Konya, and Malatya provinces); Danilov, 2008:352 (Russia: Altayskiy Kray: Barnaul area); Dvořák, Bogusch, Malenovský, Bezděčka, Bezděčková, Holý, Liška, Macek, Roller, Říha, Smetana, Straka, and Šima, 2008:66 (Czech Republic: Hády Hill near Brno, as *sabulosa sabulosa*); Gayubo, González, Tormos, and Asís, 2008:140 (Spain: Salamanca: Parque Natural de Las Batuecas – Sierra de Francia); Kazenas, 2008b:115 (Kazakhstan: foothills of Zailiskiy Alatau: found among others on loess cliffs), 2008c:255 (Kazakhstan: village Koktum south of Lake Alakol'); Ljubomirov and Ban-Calefariu, 2008:204 (Romania: Maramureş District: Mara); Ljubomirov and Yildirim, 2008:152 (in catalog of Crabronidae of Turkey); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); Debuyser and Vago, 2009:3 (in list of Sphecidae *sensu lato* of northern France), 12 (description, nesting habits); U. Frommer, 2009a:26 (Germany: in checklist of Sphecidae of central Hessen), 31 (Germany: Hessen: Bergen-Enkheim Protected Area, in Germany only in southwestern areas); Gayubo, González, Tormos, and Asís, 2009:365 (Spain: Valladolid: Reserva Natural Riberas de Castronuño – Vega del Duero); González, Gayubo, Asís, and Tormos, 2009:625 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park); Guéorguiev and Ljubomirov, 2009:263 (Bulgaria: Maleshevska Planina); Józan, 2009:167 (Croatia); Shorenko, 2009:369 (in list of Sphecidae *sensu lato* of Crimea); Zettel, Wagner, Zimmermann, Wiesbauer, Sorger, Ockermüller, and Seyfert, 2009:10 (Austria: Oberösterreich: Pfaffstätten); Bitsch, 2010:119 (in supplement to vol. II of Faune de France, 1997: France: first records from: Hautes-Alpes: Aspres-sur-Buech, Chorges, Gap, Mont-Dauphin, Réotier, and Loir-et-Cher: Suèvres); Rudoiskatel', 2010:148 (Russia: southern Ural Mountains); Sakenin, Samin, and Bagriacik, 2010:17 (Iran: East Azarbaijan: Tabriz); Schmid-Egger, 2010a:14 (in red list of Aculeata of Germany: very rare); Shorenko and Konovalov, 2010:29 (Ukraine: many localities); Smetana, Roller, Beneš, Bogusch, Dvořák, Holý, Karas, Macek, Straka, Šima, Tyrner, Vepřek, and Zeman, 2010:101 (Western Slovakia: recorded from Borská Nížina); Treiber, 2010:134 (France: département du Haut-Rhin); Tüzün and Yüksel, 2010:4475 (Turkey: Niğde Province); van der Smissen, 2010a:334 (Germany: Schleswig-Holstein: Brünkendorf, Griβheim, Neuenburg); Baghirov, 2011b:155 (Russia: recorded from Altayskiy Kray by Kazenas, Mityaev, Matesova, Kulenova, and Zhdanko, 1979); Burger, 2011a:286 (Germany: in red list of Sphecidae *sensu lato* of Thüringen); Cruz-Sánchez, Asís, Gayubo, Tormos, and González, 2011:500 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park: effects of wildfire); Gogala, 2011:33 (Slovenia); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Protsenko and Drozdovskaya, 2011:91 (Ukraine: Mikolaiv Oblast': Bugskiy Guard National Park); Theunert, 2011a:19 (Germany: in checklist of aculeates of Niedersachsen including city of Bremen); Tischendorf, Frommer, Flügel et al., 2011:56 (Germany: Hessen: strongly endangered); Amolin, 2012:28 (Ukraine: Donetsk); Boillat, 2012:228 (Switzerland: in checklist of insects of Canton de Genève); R. Burger, 2012:32 (Germany: Rheinland-Pfalz: Sandrennbahn near Altrip); Kazenas, 2012b:170 (Kazakhstan: Korgalzhin State Nature Reserve); Polidori, García, and Nieves-Aldrey, 2012:280 (study of female antennal sensillae); Prisniy, 2012:53 (Russia: Belgorod Oblast'); Strumia, Pagliano, and Gayubo, 2012:56 (Italy: Toscana: Riserva di San Rossore); Yildirim, 2012:79 (Turkey: Adana, Adıyaman, Aksaray, Bayburt, Erzurum, Iğdır, İstanbul,

Kars, and Tunceli provinces); Zettel, 2012:78 (Austria: Niederösterreich: Golitsch, Mittelberg, and Windmühle); Akulov and Proshchalykin, 2013:119 (Russia: Siberia: Krasnoyarsk Kray: 12 km east and 25 km south of Minusinsk, and near Sizay); Bayındır, Gürbüz, Ljubomirov, and Pohl, 2013:146 (Turkey: Isparta: Kasnak Oak Forest Nature Reserve); El-Hawagry, Khalil, Sharaf, Fadl, and Aldawood, 2013:65 (Saudi Arabia: Al-Baha Province: Jebel El-Baher); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:358 (in new catalog of Sphecidae of Saudi Arabia); Kazenas, 2013a:154, 155 (color photographs of adult wasps, short information on geographic distribution and nesting habits), 2013b:500 (southeastern Kazakhstan: almost everywhere in valleys of rivers Ili and Sharyn, and in adjacent deserts); A. Scholz and Liebig, 2013:16 (Germany: Sachsen: in list of Sphecidae *sensu lato*); Vieira, Oliveira, Brewster, and Gayubo, 2013:20 (Portugal: Douro International Natural Park); Zettel, Zimmermann, and Wiesbauer, 2013:14 (Austria: Wien: Donaupark); Baldock, 2014:360 (Spain: Island of Mallorca); Dunford, Turbyville, and Leavengood, 2014:9 (listed as medically important in Afghanistan); Ebrahimi, 2014:46 (Iran: Alborz and Khorāsān provinces); Józan, 2014:133 (Croatia: Lednik, Duga Uvala, Meka Draga: Kruševo); Kazenas, 2014a:139 (Kazakhstan: Karatau Mountain Range); Nemkov, 2014c:288 (recorded from Asiatic Russia by several authors; Amurskaya Oblast': Dim; Primorskiy Kray: Novosakhalinsk); Protsenko, Fateryga, and Ivanov, 2014:37 (Crimea: many localities); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces); Atbaei, Fallahzadeh, and Ljubomirov, 2015:8 (Iran: Fars Province, as *sabulosa sabulosa*); Koçak and Kemal, 2015:141 (in checklist of Hymenoptera of Turkey); Rezaei and Fallahzadeh, 2015:13 (Iran: Fars: Dalin at 30°03′N 52°07′E and Dasht e Arzhan at 29°38′N 51°58′E); P. Rosa and Pagliano, 2015:99 (Italy: Lombardia and Piemonte: Parco del Ticino); Else, Bolton, and Broad, 2016:48 (in checklist of Aculeata of Great Britain and Ireland: England); Mokrousov and Popov, 2016:592 (Russia: Abkhazia, Adygea, Krasnodarskiy Kray); Samin and Bagriacik, 2016:496 (Iran: West Azarbaijan Province: Myandoab and Salmas); Schmid-Egger, Dandria, and Xuereb, 2016:81 (in checklist of Crabronidae of Maltese Islands); Stolle and Saure, 2016:921 (Germany: in list of Sphecidae *sensu lato* of Sachsen-Anhalt); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:25 (Turkey: Adana, Bayburt, Erzurum, Giresun, Ordu, Trabzon, and Tunceli provinces, as *sabulosa sabulosa*, color variation, *maculicornis* may be an extreme form of *sabulosa*); Arens, 2017a:641 (Greece: Peloponnesus), 648 (in key to males of Peloponnesus with irregular tergal maculation and basal platform on sternum II); Augul, 2017:198 (in key to four *Cerceris* collected in Iraq), 199 (Iraq: Baghdad Province: Bab Al-Mudham; Dohuk Province: Solaf; Erbil Province: Rawanduz; Maysan Province: no specific locality; Wasit Povince: Al-Zubaidiya), 200, 201 (color photographs); Burguet and Durand, 2017:9 (France: Puy-de-Dôme: basin of river Crouël); Danilov and Mokrousov, 2017b:254 (in catalog of Philanthinae of Russia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:80 (Iran: known from Alborz, East Azerbaijan, Fars, Guilan, Golestan, Khorasan-e Razavi, Mazandaran, and West Azerbaijan provinces); Magdalou, 2017:14 (France: Pyrénées-Orientales: Réserves Naturelles Catalanes: Forêt de la Massane); Říha, 2017:174 (Czech Republic: Brno); Shorenko, 2017:81 (in Crimea collected in April through October); Dollfuss, 2018:1161 (locality records from Austria, Czech Republic, Greece, and Italy); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); Akulov, 2019:44 (recorded from Krasnoyarskiy Kray but omitted from there in Annotated catalogue of the Hymenoptera of Russia); Carminati, Mora, and Cretin, 2019:27 (France: in list of Sphecidae *sensu lato* of Franche-Comté); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:9 (Azerbaijan: Nakhichevan Autonomous Republic); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:18 (Iran: known from Alborz, Ardabil, East Azerbaijan, Fars, Guilan, Khorasan-e Razavi, Mazandaran, Qavin, and West Azerbaijan provinces, as *sabulosa sabulosa*); Shorenko, 2019:211 (among the commonest sphecid species in Crimea); Yalnız and Tüzün, 2019:16 (Turkey: Adana Province: no specific locality, as *Cerceris sabulosa sabulosa*); Ben Khedher, Yildirime, and Braham, 2020c:542 (previously recorded from Tunisia from Gabes, Gafsa, Jendouba, Kairouan, Kasserine, Medenine, Sousse, Tataouine, and Tozeur provinces); Dollfuss, 2020b:122 (Pakistan: Quetta); Gadallah, 2020b:65 (in list of aculeate wasps

of Arabian Peninsula); Shorenko, 2020:49 (Crimea: Karadag Nature Reserve); Cross, Baldock, and Wood, 2021:66 (in catalog of Sphecidae *sensu lato* of Portugal); Danilov, Odintseva, and Odintsev, 2021:21 (Russia: previously recorded from Omsk Oblast'); Dollfuss, 2021a:954 (locality records from Albania, Austria, Bulgaria, China, Croatia, Cyprus, Czech Republic, France, Germany, Greece, Hungary, Italy, Jordan, Kyrgyzstan, Macedonia, Montenegro, Romania, Russia: Voronezh, Serbia, Slovakia, Spain, Syria, Tajikistan, Turkey, Turkmenistan, Ukraine, and Uzbekistan), 959 (male from Oman: color variation), 2021c:617 (locality records from Armenia, Austria, Bulgaria, Croatia, Cyprus, Czech Republic, France, Greece, Hungary, Iran, Israel, Italy, Kazakhstan, Kyrgyzstan, Morocco, Mongolia, Russia: 30 km northeast of Khabarovsk, Serbia, Slovakia, Spain, Syria, Tajikistan, Turkey, Turkmenistan, Ukraine, and Yemen); Kaplan and Yildirim, 2021:99 (in catalog of Crabronidae of Turkey); Olszewski, Wiśniowski, and Ljubomirov, 2021:85 (in commented list of Sphecidae *sensu lato* of Poland); Malash, Edmardash, and Gadallah, 2022:38 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:298 (first record from United Arab Emirates: Wadi Maidaq and Wadi Wurayah); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:269 (in revision of Sphecidae *sensu lato* of Europe); Can and Saboori, 2023:81 (Turkey: parasitized by larvae of mite *Leptus rosellae* Haitlinger (Trombidiformes: Erythraeidae)); Dollfuss, 2023a:410 (Oman); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey) Gadallah and Abu El-Ghiet, 2024:90 (Saudi Arabia: Jazan Province: Abu Arish); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution). – **As *Cerceris ornata* var. *sabulosa***: Chyzer, 1902:33 (new status, Hungary).

Philanthus emarginatus Panzer, 1799, Heft 63:19 [♀]. Holotype or syntypes: ♀, Austria: Viennae = Wien (depository?). Synonymized with *Cerceris sabulosa* by Herrich-Schaeffer, 1840:296 and Richards, 1935:169. – Panzer, 1806:174 (as new synonym of *Philanthus ornatus*); Jurine, 1807:202 (in checklist of European *Philanthus*); Peets, 1909-1911:68 (*Philanthus emarginatus* of Panzer = *Cerceris emarginata*); Derwesh, 1965:71 (Iraq: no specific locality. as *emarginata*); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); Haris, 2016:11 (in list of species described by G. Panzer from Carpathian Basin). – **As *Cerceris emarginata***: Spinola, 1806:97 (new generic assignment, Italy: Liguria); Herrich-Schaeffer, 1840:296 (Germany: Bayern: Regensburg area); F. Smith, 1856:437 (in catalog of Hymenoptera in British Museum); A. Costa, 1867c:90 (in revision of Italian Sphecidae); Kirchner, 1867:221 (in catalog of European Hymenoptera); A. Costa, 1869b:106 (in revision of Italian Sphecidae), 1872a:23 (Italy: in revision of Sphecidae of Kingdom of Naples), 1882b:23 (Italy: Sardegna); Kohl, 1883e:663 (Switzerland); Gasperini, 1887:17 (Dalmatia: Spalato, Brusije, and Island of Lissa, now Croatia: Split, Brusje on Island of Hvar, and Island of Vis); Schletterer, 1887:379 (in revision of Palearctic *Cerceris*), 490 (in checklist of world *Cerceris*); Kohl, 1888b:727 (Austria: Tirol, now Italy: Alto Adige; diagnostic characters); Ed. André, 1889:274, 275 (in revision of Sphecidae of Europe and Algeria); Kohl and Handlirsch, 1889:278 (Turkmenistan); F. Morawitz, 1889:156 (China: Gansu: Sigu); Schletterer, 1889a:900 (correction to earlier description), 901 (faunal records), 1889b:1126 (Armenia: Arax Valley); Steck, 1890:168, 170 (in key to *Cerceris* of Switzerland); Ed. André, 1891:28* (bibliographic references); F. Morawitz, 1891a:213 (Russia: Astrakhan' Governorate); Kohl, 1893a:34 (Austria: Niederösterreich); F. Morawitz, 1893b:419 (Tajikistan); Baldini, 1894:59 (Italy: Modena area); Medina, 1894b:263 (Spain); Schletterer, 1894:33 (Istria Peninsula, now part of Croatia, Slovenia, and Italy); De Stefani Perez, 1895:227 (in catalog of Sicilian Hymenoptera); E. Saunders, 1896:118 (in revision of British Aculeata); Dalla Torre, 1897:458 (in catalog of world Hymenoptera); Mocsáry, 1897:80 (Kingdom of Hungary, some localities are in today's Croatia, Romania, and Slovakia); Flamary, 1898:38 (France: Saône-et-Loire: Mâcon area); Medina, 1899:115 (Spain: Huévar); Chyzer, 1902:33 (Hungary); de Cobelli, 1903:110 (Italy: Province of Trentino: Levico, Rovereto); Antiga and Bofill, 1904:20 (Spain: Cataluña Province); E. Saunders, 1904c:608 (Spain: Mayorca), 638 (France: Cerbère; Spain); Zilahi Kiss, 1904:77 (Hungary: Hadad); Ferton, 1905:65 (list of prey); Kubes,

1905:83 (Czech Republic: Mančice); von Heyden, 1905:82 (Germany: Hessen: Frankfurt); Mantero, 1905:69 (Italy: Toscana: Isola del Giglio); Vángel, 1905:167 (Hungary); Dusmet y Alonso, 1906:7 (Spain); Móczár and Henter, 1907:205 (Hungary: Hatvan, Tiszaalpár); Schmiedeknecht, 1907:238, 242 (in key to Hymenoptera of Central Europe); Cecconi, 1908:23 (Italy: Puglia: Isole Tremiti); de Gaulle, 1908:104 (in catalog of French Hymenoptera); Ferton, 1910:153 (prey, prey carrying); Zavattari, 1910:4 (Italy: Isola d'Elba: Portoferraio); Graeffe, 1911:48 (Italy: Trieste area); Mantero, 1911:73 (Italy: Sardegna: Isola dell'Asinara); Morice, 1911:81 (Algeria: Biskra; floral records); Birula, 1912:544 (Ukraine: Zhytomyr Oblast': Radomyshl'); R. Turner, 1912e:802 (in revision of *Cerceris* of Indian subcontinent; Pakistan: Balochistan: Pishin, Quetta); Haupt, 1913:50 (Germany: Sachsen-Anhalt: Brachwitz quarry and Erdeborn in Halle area); Kohl, 1913b:15 (Russia: Voronezh Oblast': Valuyki at 50°14'N 38°08'E); Birula, 1914:368 (specimens from Radomyshl' are determined correctly); Mercet, 1914:445 (recorded from Spain); Szilády, 1914:89 (Hungary: Fugad, Nagyenyed, Nagyoklos, Nyírmező); Dusmet y Alonso, 1915:87 (Spain: Aragón); Kohl, 1916:111 (specimens in O. Radoszkowski collection, Kraków); Ramakrishna Aiyar, 1916:559 (in catalog of Indian aculeates described after Bingham, 1897); Shestakov, 1916:231 (Caucasus); R. Perkins, 1916:231 (specimen from Great Britain: Kingstown in F. Smith collection); Shestakov, 1918a:131 (Uzbekistan, Tajikistan and Turkmenistan); Morice, 1921:822 (Iran: Qazvin; Iraq: Amara, Baquba); Dubois, 1922:210, 211 (in key to Belgian Sphecidae); Enslin, 1922c:247 (Germany: Bayern: Thüringersheim); Fahringer, 1922:178 (Turkey); Maidl, 1922:68 (Albania, Croatia, Montenegro); Shestakov, 1923:104, 105, 113 (in key to subgenus *Apiraptrix*, synonymy, distribution); Roth, 1924:124 (Algeria: Nemours, now Ghazaouet); Berland, 1925d:54 (in Sphecid Fauna of France); Coulon, 1925:117 (France: Evreux, Seine-et-Oise; Italy, Spain); Lauterborn, 1925:355 (Germany: Baden-Württemberg: Neuenburg); Bouwman, 1926:280 (in list of Sphecidae of Netherlands); von Schulthess, 1926b:210 (Tunisia, Libya); Dusmet y Alonso, 1927:25 (Spain: Cataluña: Poblet); Shestakov, 1927a:7 (Russia: Kursk Oblast'); Berland, 1928b:175 (France: Var: Callian; prey: *Epeolus productus* Bischoff, Apidae); Bouwman, 1928a:361 (in revision of Sphecidae of Netherlands); Grandi, 1928d:267 (nesting habits), 274 (description of egg, larva, and cocoon), 1929:288 (Italy: Toscana: valle della Limentra); Kruger, 1929a:21 and 1929b:56 (Libya: Cyrenaica: Bardia); Bischoff, 1930a:217 (Tajikistan: Pamir: Maz); Grandi, 1930:308 (nest parasite: *Miltogramma oestraceum* Meigen, Sarcophagidae), 340 (Italy: Toscana: Maremma); Hamm and Richards, 1930:109 (summary of nesting habits); Schmiedeknecht, 1930:699, 702 (in keys to Hymenoptera of North and Central Europe); Grandi, 1931:56 (Italy: Toscana: Vallata delle Pozze near Le Mandriole), 58 (Italy: Toscana: Taviano); Dusmet y Alonso, 1931:7 (Portugal: Évora); Grandi, 1931:44 (additional prey); Giordani Soika, 1932a:21 (Italy: Lido di Venezia); Motaş, 1932:14 (nest parasite: *Setulia melanura* Meigen, a tachinid); Bischoff, 1933:5 (Spain, Morocco); Maidl, 1933b:122 (Morocco); Shestakov *in* Nadig, 1933:97 (Morocco); K. Strohm, 1933:337 (Germany: Baden-Württemberg: Kaiserstuhl); Balles, 1934:21 (Germany: Baden-Württemberg: Mosbach); Giner Marí, 1934:131 (Spain); Grandi, 1934:129 (Italy: Emilia-Romagna: vicinity of Bologna, Lazio: Acilia, and Toscana: San Vincenzo); Guiglia, 1934b:297 (Libya: bibliography and summary of locality records); Maidl, 1934:64 (Greece: Aegean Islands: Ikaria); Nadig, 1934:33 (France: Corse; Bastia, Cap Corse; Italy: Sardegna: Aritzo, Cagliari); Bernard, 1935:62 (France: Var: Fréjus area); Grandi, 1935a:110 (Italy); Gussakovskij, 1935:444 (Tajikistan); Vergne, 1935:117 (France: Auvergne: common); Kolosov, 1937:219 (Ukraine: Kupyansk); Zavadil, Šustera, and Bat'a, 1937:208 (in catalog of Sphecidae of Czechoslovakia); Guiglia, 1938b:8 (Italy: Sardegna); Kuntze and Noskiewicz, 1938:378 (in Poland known only from Podole region, now Ukraine); Móczár, 1938c:81 (Hungary: Kőszeg Hills), 1939:5 (Hungary: Jászberény); Dovnar-Zapolskiy, 1940:304 (Russia: Kursk Oblast'); Deleurance, 1941:27 (France: Nice; communal nesting); Giner Marí, 1941a:22 (in revision of Spanish *Cerceris*), 1941b:154 (in revision of North African *Cerceris*); Guiglia, 1941c:161 (Italy: Calabria: Grande Sila), 1942a:56 (Greece: Island of Rhodes: Kremasti, Villanova); Giner Marí, 1943a:94 (in Sphecid Fauna

of Spain); Guiglia, 1943b:70 (Albania: Kopliku); Giordani Soika, 1944:12 (Italy: Sicilia: Taormina); Guiglia, 1944a:146 (Cyprus: Cherkes, Limassol), 1944b:11 (Italy); Šnoflák, 1944a:144 (Czech Republic: serpentine steppe near Mohelno); Balthasar, 1945:115 (Czech Republic: southeast Morava Region); Giner Marí, 1945a:248 (Cyprus; Greece: Island of Rhodes, Lebanon), nec 1945b:359 (= *Cerceris sabulosa algirica*); Deleurance, 1946b:67 (France: Bouche-du-Rhône: Camargue: Bois des Rièges); de Beaumont, 1947b:384 (Cyprus); Dulac, 1947:53 (France: Saône-et-Loire Department: Creusot area); Guiglia, 1947a:28 (Italy: Piano Maiuri), 1948c:200 (Italy: Sardegna: Cagliari); de Andrade, 1949:10 (Portugal, as *emmarginata*); Cavro, 1950:36 (France: Département du Nord); nec de Beaumont, 1950f:397 (= *Cerceris sabulosa algirica*); Georgel, 1950:63 (France: Seine-et-Oise: Sucy-en-Brie); Pittioni, 1950:21 (Cyprus); Cleu, 1953:50 (France: Ardèche River basin); Móczár, 1953:309 (Hungary); Vogrin, 1955:32 (Yugoslavia); Ceballos, 1956:367 (in catalog of Hymenoptera of Spain); Zirngiebl, 1957:184 (Germany: Rheinland-Pfalz: Pfalz region); Compte Sart, 1959:132 (Spain: Mayorca; on *Mentha rotundifolia*); Diniz, 1959:28 (Portugal: nine localities); Ceballos, 1964:88 (in supplement to catalog of Spanish Sphecidae, as *emargimata*); Derwesh, 1965:69 (Iraq: no specific locality); Georghiou, 1977:189 (Cyprus); Piek and Spanjer, 1986:182 (in list of Sphecidae with known prey); Steiner, 1986:113 (references to publications on nesting habits).

Philanthus tricinctus Spinola, 1805:18, ♂. Syntypes: Italy: Liguria: no specific locality (depository?). Synonymized with *Cerceris emarginata* by Spinola, 1808:.. – **As *Cerceris tricincta***: Spinola, 1806:27 (new generic assignment, redescription); Vander Linden, 1829:118 (bibliographic references, description of ♀); de Beaumont, 1951b:175 (unrecognizable); Pagliano, 1988:172 (unrecognizable species), 1990:101 (in catalog of Italian Sphecidae, as nomen dubium); Pagliano and Negrisolo, 2005:489 (in Sphecid Fauna of Italy, as nomen dubium).

? *Philanthus pygmaeus* Thunberg, 1815b:296. Holotype or syntypes: origin unknown (originally Uppsala, now lost, see Schulz, 1912:70). – Thunberg, 1815b:289 (diagnostic characters), 296 (redescription); Dalla Torre, 1897:489 (in catalog of world Hymenoptera); de Beaumont, 1950c:321 (possible synonym of *Cerceris sabulosa*).

Cerceris ferox Stephens, 1829a:368, as Kirby's manuscript name (in catalog of British insects). Replacement name for *Cerceris sabulosa* (Panzer, 1799). – Stephens, 1829b:34 (in checklist of British insects); F. Smith, 1855:100 (as synonym of *Cerceris ornata*).

Cerceris minuta Lepeletier de Saint Fargeau, 1845:27, ♀, ♂. Syntypes: France: Saint Séver and Nevers (MNHN). Synonymized with *Cerceris emarginata* by Schletterer, 1887:378, synonymy confirmed by de Beaumont, 1950c:323. – F. Smith, 1856:439 (in catalog of Hymenoptera in British Museum); Kirchner, 1867:221 (in catalog of European Hymenoptera); Dours, 1874:144 (in catalog of Hymenoptera of France); Marquet, 1875:204 (France: Languedoc), 1881:190 (southern France, preying on Coleoptera); Yaroshevskiy, 1881:124 (Ukraine: Khar'kiv Oblast': Kupyansk); Magretti, 1884b:106 (Italy: Firenze area); De Stefani Perez, 1886:171 (Italy: Sicilia: monte di Renda near Palermo); Cuní y Martorell, 1888:164 (Spain: Barcelona); De Stefani Perez, 1894:216 (Italy: Sicilia); Acloque, 1897:82 (in Sphecid Fauna of France and Algeria); Cuní y Martorell, 1897:331 (Spain: Cataluña: villa de Calella); de Beaumont, 1950:323 (study of syntypes); Pagliano, 2014:114 (specimens in M. Spinola collection, Torino, are *Cerceris specularis* and *Cerceris* sp.). – **As *Cerceris sabulosa minuta***: R. Bohart and Menke, 1976:587 (new status, in checklist of world Sphecidae); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); Pagliano, 1990:100 (in catalog of Italian Sphecidae).

Cerceris superba Shestakov, 1923:106, ♀. Holotype: ♀, Spain: Andalusia: no specific locality (ZIN). Synonymized with *Cerceris sabulosa* by Pulawski, 1965c:564. – Shestakov, 1923:103, 106 (in key to subgenus *Apiraptrix*); Giner Marí, 1941a:24 (in revision of Spanish *Cerceris*); Ceballos, 1956:372 (in catalog of Hymenoptera of Spain); de Beaumont, 1957d:327 (synonymy with *Cerceris sabulosa* supposed); Ceballos, 1964:89 (in supplement to catalog of Spanish Sphecidae).

As *Cerceris albofasciata* (collectively corrected to *Cerceris sabulosa* by de Beaumont, 1950c:319): Dahlbom, 1844:201 (in revision of Sphecidae and Pompilidae), 1845:499 (in key to world *Cerceris*); Schenck, 1857:153 (in revision of fossorial wasps of Germany); Taschenberg, 1866:190 (in revision of Hymenoptera of Germany); Radoszkowski, 1870:102 (*Cerceris tricincta* listed as synonym of *Cerceris albofasciata*); Yaroshevskiy, 1881:124 (Ukraine: Khar'kiv Oblast': Khar'kiv); Friese, 1883:201 (Germany: Sachsen-Anhalt: Kösen, Merseburg, Weissenfels); Radoszkowski, 1890b:507 (Armenia: Mount Ararat); Krieger, 1894:12 (Germany: Kingdom of Saxony: Leipzig and Zwickau); Mocsáry, 1897:80 (Kingdom of Hungary, some localities are in today's Croatia and Romania); Schmiedeknecht, 1907:239, 242 (in key to Hymenoptera of Central Europe); Rudow, 1912:67 (preying on melyrid beetle *Dasytes*, in error); Shestakov, 1914b:408 (Georgia: Tiflis, now Tbilisi), 1917c:47 (Ukraine: Crimea); Noskiewicz, 1922b:231 (Poland: Podole Region, now Ukraine); Shestakov, 1922:81 (Russia: Stavropol'); Lauterborn, 1925:355 (Germany: Baden- Württemberg: Kaiserstuhl); Friese, 1926:154 (in key to Sphecidae of Central Europe, short morphological and biological characteristics); Shestakov, 1927a:7 (Russia: Kursk Oblast'), 9 (Ukraine: Lubni area in Poltava Oblast'), 10 (Ukraine: Odessa and Poltava oblast's), 11 (Ukraine: Kherson, Nikolayev, and Zhitomir oblast's), 19 (Russia: Stalingrad Oblast', now Volgograd Oblast'), 19 (Russia: Ural'sk Oblast', now Kazakhstan: Oral Oblast'); Vorontsovskiy, 1928:45 (Russia: vicinity of Orenburg); A. Müller, 1930:181 (Bulgaria: Kavarna); Schmiedeknecht, 1930:699, 702 (in keys to Hymenoptera of North and Central Europe); Kolosov, 1937:218 (Ukraine: Kupyansk); Zavadil, Šustera, and Bat'a, 1937:208 (in catalog of Sphecidae of Czechoslovakia); Dovnar-Zapolskiy, 1940:304 (Russia: Kursk Oblast'); Šnoflák *in* Zavadil and Šnoflák, 1948:87, 94 (in key to Sphecidae of Czechoslovakia); Vogrin, 1955:32 (Yugoslavia); Ceballos, 1956:366 (in catalog of Hymenoptera of Spain).

As *Cerceris rybyensis* (part): Ferton, 1899:345 and 1901a:109 (France: Corse: Bonifacio; list of prey), corrected to *Cerceris emarginata* by Ferton, 1905:65.

ssp. *algirica* Thunberg

Philanthus algiricus Thunberg, 1815:136, ♀. Holotype or syntypes: ♀, Barbaria, now Algeria: no specific locality (Uppsala). – Thunberg, 1815a:128 (diagnostic characters), 1815b:288 (diagnostic characters); Dalla Torre, 1897:482 (in catalog of world Hymenoptera). – **As *Cerceris algirica***: W. Schulz, 1912:70 (new generic assignment). – **As *Cerceris sabulosa algirica***: de Beaumont, 1950c:320 (new status, study of type material), 1951f:311 (Tunisia to Morocco), 1953g:120 (Morocco), 1956a:185 (Libya); Guiglia, 1957:145 (Italy: Isole Pelagie); de Beaumont, 1960b:229 (Libya); Guiglia, 1960:360 (Italy: Isole Pelagie: Lampedusa); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Pagliano, 1990:100 (in catalog of Italian Sphecidae: Isola di Lampedusa); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Pagliano and Scaramozzino, 1995:729 (Italy: Island of Lampedusa); Pagliano, 2003b:128 (Italy: Islands of Lampedusa and Pantelleria); Roche, 2007a:133 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Ben Khedher, Yildirime, and Braham, 2020c:542 (Tunisia: previous records summarized, new locality records from Béja, Jendouba, Kebili, Le Kef, Mannouba, Nabeul, Sidi Bouzid, and Tataouine provinces); Dollfuss, 2021a:958 (locality records from Algeria, Iran, Italy: Sicilia, Morocco, and Tunisia), 2021c:619 (locality records from Morocco and Tunisia); Malash, Edmardash, and Gadallah, 2022:39 (in catalog of Middle Eastern and North African Philanthinae).

Cerceris ariasi Giner Marí, 1941b:181, ♀. Holotype or syntypes: ♀, Morocco: Melilla (MNCN). Synonymized with *Cerceris sabulosa algirica* by de Beaumont, 19Morocco51f:311. – Nec Giner Marí, 1945b:359, 369 (= *Cerceris rybyensis*).

As *Cerceris emarginata* (present correction to *Cerceris sabulosa algirica*): Giner Marí, 1945b:359 (Morocco: Ain Zorah, Muley Ali); de Beaumont, 1950f:397 (Algeria, Morocco).

ssp. *dahlbomi* de Beaumont

As *Cercers albofasciata*: Dahlbom, 1843:201 (description), 1845:499 (in key to world *Cerceris*), corrected to *Cerceris sabulosa dahlbomi* by de Beaumont, 1950c:319; Taschenberg, 1858:81 (in key to Sphecidae of Germany); Schenck, 1967a:354 (known from Germany); Schlechtendal, 1872:37 (Germany: Sachsen: Zwickau); Taschenberg, 1875:390 (Germany: Salziger See near Eisleben); Radoszkowski, 1877:62 (Kazakhstan, Kyrgyzstan, Uzbekistan), partly, corrected to *Cerceris emarginata* by Shestakov, 1918a:124; Schletterer, 1887:383 (in revision of Palearctic *Cerceris*) and 1889a:901 (faunal records), corrected to *Cerceris sabulosa dahlbomi* by de Beaumont, 1951b:177; Ed. André, 1889:262, 274 (in revision of Sphecidae of Europe and Algeria); Steck, 1890:168, 170 (in key to *Cerceris* of Switzerland), present correction; Ed. André, 1891:26* (bibliographic references); Antiga and Bofill, 1904:20 (Spain: Cataluña Province); Shestakov, 1914b:408 (Georgia: Tbilisi), 1918a:124 (unknown from Transcaspia), 1918a:141 (Tajikistan); Łoziński, 1920:121 (Poland: Kraków); Shestakov, 1922:81 (Russia: Stavropol' area), 1923:104, 105 (in key to subgenus *Apiraptrix*), 113 (synonymy, distribution); Lauterborn, 1925:355 (Germany: Kaiserstuhl in Rheinland); Vorontsovskiy, 1930:66 (Russia: Orenburg Oblast').

Cerceris sabulosa dahlbomi de Beaumont, 1950c:319. Substitute name for *Cerceris albofasciata* of Dahlbom, 1845, and Schletterer, 1887. Holotype: ♂, Germany: Neustadt-Eberswalde (Lund), designated by de Beaumont, 1953h:198. – de Beaumont, 1951b:177 (*Cerceris albofasciata* of Schletterer, 1887 = *sabulosa dahlbomi*); Krysiński, 1957:308 (Poland: Jarosław, Krzyżanowice, Przemyśl, Przeworsk, Sandomierz, Żurawica near Przemyśl); Noskiewicz and Puławski, 1960:75, 78 (in key to Polish Sphecidae); Oehlke, 1970:686 (Democratic Germany); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Kazenas, 2001d:107, 109 (in key to *Cerceris* of Kazakhstan and Central Asia); Skibińska *in* Bogdanowicz, Chudzicka, Pilipiuk, and Skibińska, 2004:355 (in catalog of Polish Crabronidae); Straka, 2005a:403 (vulnerable in Czech Republic); Vepřek and Straka, 2007:210 (in catalog of Sphecidae of Czech Republic and Slovakia, known only from Bohemia), 235 (Bohemia: Praha–Horni Počernice; *Cerceris albofasciata* of Pádr, 1990 = *sabulosa dahlbomi*); Dollfuss, 2021a:959 (locality records from Bulgaria, Czech Republic, Finland: clearly in error, Kazakhstan, Kyrgyzstan, Macedonia, Poland, Slovakia, and Ukraine), 2021c:619 (Czech Republic, Kazakstan, and Ukraine: locality records).

ssp. *duplipunctata* Tsuneki

Cerceris sabulosa duplipunctata Tsuneki, 1971l:423, ♂. Holotype: ♂, Mongolia: Hovd Aymag: Mongol Altai (TMB). – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae).

ssp. *sinica* Tsuneki

Cerceris sabulosa sinica Tsuneki, 1961c:46, ♀. Holotype: ♀, China: Peking, now Beijing (originally K. Tsuneki coll., now USNM). – Tsuneki, 1961c:10 (in key to *Cerceris* of northeastern Asia), 1971m:16 (China: Peking, now Beijing); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Kazenas, 1979d:83 (in key to *Cerceris* of Russian Far East); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:471 (in key to Sphecidae of Russian Far East); Nuhn and Menke, 1994:26 (holotype transferred to USNM); Hua, 2006:278 (in list of Chinese insects, geographic distribution); X. Li, L. Ma, and Q. Li, 2013:590 (China: Nei Mongol: Helan Mountains).

ssp. *subgibbosa* Yasumatsu

Cerceris subgibbosa Yasumatsu, 1935a:15 and 25, ♀. Holotype: ♀, China: Hopeh Province: Cheng-teh (depository?) – Nagase, 2006b:2 (specimens collected by First Scientific Expedition to Manchoukou, 1933, now part of eastern China). – **As *Cerceris sabulosa subgibbosa***: Tsuneki, 1961c:10, 16 (in key to *Cerceris* of northeastern Asia), 36 (new status, redescripion), 63 (bibliographic reference), 1967e:2 (China: Heilungkiang); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Kazenas, 1979d:83, 87 (in key to *Cerceris* of Russian Far East); Tsuneki, 1982b:13 (Korea; color variation), 18 (known from Korea); Paik, 1985:203 (in list of Sphecidae of Korea); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:471,

477 (in key to Sphecidae of Russian Far East); Hua, 2006:278 (in list of Chinese insects, geographic distribution); J.-K. Kim, 2014:449 (in catalog of Sphecidae *sensu lato* of Korean Peninsula); Dollfuss, 2021c:619 (China: Jingangling 50 km west of Linfen at 36.2°N 111.7°E; Russia: Khabarovsk).

ssp. *talynensis* Tsuneki

Cerceris sabulosa talynensis Tsuneki, 1971l:424, ♂. Holotype: ♂, Mongolia: Bayahlbominhongor Aymag: Tsagan Bogd ul (TMB). – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae).

694. *saegeri* Empey

Cerceris saegeri Empey, 1970:180, ♀. Holotype: ♀, Zaire: Garamba National Park: no specific locality (MRAC). – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Empey, 1983:188 (bibliographic reference, type examined).

695. *saengeri* Dollfuss

Cerceris saengeri Dollfuss, 2020a:110, ♀. Holotype: ♀, Namibia: Kavango-East Region: Rundu (OÖLM).

696. *saevissima* F. Smith

Cerceris saevissima F. Smith, 1856:461, ♀. Holotype or syntypes: ♀, Brazil: Amazonas: Villa Nova, now Parintins (BMNH). – Schletterer, 1887:501 (in checklist of world *Cerceris*); Dalla Torre, 1897:476 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

697. *sahlbergi* Shestakov

Cerceris sahlbergi Shestakov, 1918a:149, ♀. Holotype or syntypes: ♀, Uzbekistan: Kutentaysk (ZIN). – Kazenas, 1972b:128 (Kazakhstan), 1974b:109 (feeding on flowers of *Tamarix* sp., Tamaricaceae in Kazakhstan), 110 (feeding on flowers of *Euphorbia* spp., Euphorbiaceae, in Kazakhstan); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Kazenas, 1978b:63 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:149 (in revision of *Cerceris* of Kazakhstan and Central Asia); Esenbekova and Kazenas, 2000:79 (southeastern Kazakhstan: near Kapchagay); Kazenas, 2001b:58 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:113 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:152 (geographic distribution, collecting localities in Kazakhstan), 2008a:107 (southeastern Kazakhstan: Ili River valley: 15 km east of Ayak-Kalkan, near Kapchagay, 20 km south and 60 km east of Kapchagay, Sortogay in lower course of Charyn River, Zharkent), 2013b:500 (southeastern Kazakhstan: Sortogay on Sharyn River).

698. *saishuensis* Tsuneki

Cerceris saishuensis Tsuneki, 1968l:53, ♂. Holotype: ♂, South Korea: Island of Quelpart, now Island of Cheju: Mount Hanna (originally K. Tsuneki coll., now Hyogo Mus.). – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Paik, 1985:203 (in list of Sphecidae of Korea); Hashimoto and Nakanishi, 1997:29 (holotype transferred to Hyogo Mus.); J.-K. Kim, 2014:449 (in catalog of Sphecidae *sensu lato* of Korean Peninsula).

699. *salai* Giner Marí

Cerceris salai Giner Marí, 1945c:852, ♂. Holotype: ♂, India: Maharashtra: Bandra (MNCN). – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae).

700. *samarensis* Tsuneki

Cerceris samarensis Tsuneki, 1968f:27, ♀. Holotype: ♀, Philippines: Island of Samar (Cornell Univ.). – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:46 (in key to *Cerceris* of Philippines), 65 (comparison with *Cerceris vafra*).

701. *sanluis* Fritz and Toro

Cerceris sanluis Fritz and Toro, 1969:147, ♀. Holotype: ♀, Argentina: San Luis: Carolina (originally Colegio Máximo, San Miguel, then M. Fritz coll., now MACN). – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Fritz, 1993:17 (holotype in M. Fritz coll., description dated 1969); Amarante, 2002:61 (in catalog of Neotropical Crabronidae), 2005a:13 (correction to his 2002 catalog).

702. *saussurei* Radoszkowski

Cerceris saussurei Radoszkowski, 1877:60, ♂ (as *Saussurei*, incorrect original capitalization). Holotype or syntypes: ♂, Kazakhstan: Syr-Daria steppe: no specific locality (ZMMU). – Schletterer, 1887:477 (original description copied), 502 (in checklist of world *Cerceris*); Ed. André, 1889:317, 330 (in revision of Sphecidae of Europe and Algeria), 1891:29* (bibliographic references); Dalla Torre, 1897:476 (in catalog of world Hymenoptera); R. Turner, 1912e:488 (in revision of *Cerceris* of Indian subcontinent; Pakistan: Balochistan: Quetta); Ramakrishna Aiyar, 1916:559 (in catalog of Indian aculeates described after Bingham, 1897); Shestakov, 1918a:150 (synonymized with *Cerceris capito*; synonymy impossible for geographic reasons); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Kazenas, 2001b:58 (tentatively in checklist of Sphecidae of Kazakhstan and Central Asia).

703. *saveensis* Dollfuss

Cerceris saveensis Dollfuss, 2023b:335, ♀, ♂. Holotype: ♀, Mozambique: Inhambane Province: 15 km southeast of Save River at 21°13'S 34°40'E (OÖLM).

704. *scapularis* Schletterer

Cerceris scapularis Schletterer, 1887:457, ♀. Lectotype: ♀, Mexico: Orizaba (NHMW), designated by Scullen, 1972:94. – Schletterer, 1887:502 (in checklist of world *Cerceris*); Cameron, 1891a:129 (bibliographic reference); Dalla Torre, 1897:476 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Kohl, 1916:110 (diagnostic charactes); Scullen, 1972:93 (as synonym of *Cerceris simulans*); G. Ferguson, 1984c:493 (revised status, in annotated list of North American and Caribbean *Cerceris*); Dollfuss, 1989:8 (lectotype in NHMW); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

705. *schaeuffelei* de Beaumont

Cerceris schaeuffelei de Beaumont, 1970c:5, ♀. Holotype: ♀, Iran: Balochistan: southwest of Iranshar (Ludwigsburg). – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); K. Schmidt, 2000:177 (in revision of Western Palearctic *Cerceris*); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:80 (Iran: known from Sistan-o Baluchestan Province); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:17 (Iran: known from Khuzestan, Fars, and Sistan-o Baluchestan provinces) ; Malash, Edmardash, and Gadallah, 2022:39 (in catalog of Middle Eastern and North African Philanthinae).

706. *schalleri* Dollfuss

Cerceris schalleri Dollfuss, 2020a:111, ♀. Holotype: ♀, Mali : 30 km north of Bamako (OÖLM).

707. *shariniensis* Kazenas

Cerceris shariniensis Kazenas, 1972b:135, ♀, ♂. Holotype: ♀, Kazakhstan: Turaygyr 180 km east of Alma-Ata (V. Kazenas coll.). – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Kazenas, 1978b:60 (in key to Sphecidae of Kazakhstan and Central Asia, as *shariniensis*), 1984a:114 (in revision of *Cerceris* of Kazakhstan and Central Asia); Esenbekova and Kazenas, 2000:79 (southeastern Kazakhstan: 15 km southeast of Borandysu, 10 km northwest of Chundzha); Kazenas, 2001b:58 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:112 (in key to *Cerceris* of Kazakhstan and Central Asia, as *shariniensis*), 2002a:152 (geographic distribution, collecting localities in Kazakhstan), 2008a:107 (southeastern Kazakhstan: 15 km southeast of Borandysu, 10 km southeast of Chilik, 10 km northwest of Chundza), 2013b:500 (southeastern Kazakhstan: 10 km northwest of Chundzha on Sharyn River).

Cerceris sitora Kazenas, 1979b:857, ♀. Holotype: ♀, Kazakhstan: Karatau Mountains near Chiili (ZIN). Synonymized with *Cerceris schariniensis* by Kazenas, 1984a:114.

708. *schlettereri* Radoszkowski

Cerceris schlettereri Radoszkowski, 1888a:335, ♀. Syntypes: ♀, Uzbekistan: Hodzha, Tashkent (Kraków). – Kohl, 1888a:139 (redescription); Schletterer, 1889a:893 (Kohl's redescription copied); Ed. André, 1889:331 (in revision of Sphecidae of Europe and Algeria), 22* (bibliographic references); Dalla Torre, 1897:476 (in catalog of world Hymenoptera); Shestakov, 1918a:151 (bibliographic reference); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Kazenas, 1984a:216 (in revision of *Cerceris* of Kazakhstan and Central Asia), 2001b:58 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:121 (in key to *Cerceris* of Kazakhstan and Central Asia); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:18 (Iran: known from unspecified locality); Malash, Edmardash, and Gadallah, 2022:39 (in catalog of Middle Eastern and North African Philanthinae); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

709. *schmiedeknechti* Kohl

Cerceris schmiedeknechti Kohl, 1898b:94, ♀, ♂. Lectotype: ♀, Algeria: Oran (NHMW), designated by de Beaumont, 1951f:367. – Morice, 1911:92 (Algeria: Biskra); von Schulthess, 1926b:211 (Algeria: Biskra); Giner Marí, 1941b:209 (in revision of North African *Cerceris*); Honoré, 1941a:156 (not included in Mochi's 1939 revision of Egyptian *Cerceris*); de Beaumont, 1950f:397 (Algeria, Morocco), 1951f:367 (Algeria, Morocco; discussion), 1953g:123 (Morocco); Empey, 1972:67 (lectotype in NHMW, as new synonym of *Cerceris specularis*); R. Bohart and Menke, 1976:587 (as synonym of *Cerceris specularis*); Dollfuss, 1989:8 (lectotype in NHMW); K. Schmidt, 2000:184 (in revision of Western Palearctic *Cerceris*, restored from synonymy); Roche, 2007a:141 (records from Egypt in original description is questionable); Ben Khedher, Yildirime, and Braham, 2020c:553 (Tunisia: recorded from Gafsa Province by Dollfuss, 2018:1165); Malash, Edmardash, and Gadallah, 2022:39 (in catalog of Middle Eastern and North African Philanthinae). – **As *Cerceris specularis schmiedeknechti***: Dollfuss, 2018:1165 (new status, locality records from Morocco and Tunisia), 2021c:622 (Morocco: locality records).

710. *schoutedeni* Brauns

Cerceris schoutedeni Brauns, 1914:235, ♀, ♂ (as *Schoutedeni*, incorrect original capitalization). Lectotype: ♀, Zaire: Katanga: Elizabethville, now Lubumbashi (MRAC), designated by Empey, 1983:188. – Brauns, 1926:286 (in revision of Afrotropical *Cerceris*, as sp. n.); Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:146 (in key to Afrotropical *Cerceris*); Schouteden, 1930:93 (Zaire); Arnold, 1931:138 and 146 (in key to Afrotropical *Cerceris*), 1942:24 (gastral base illustrated), 25 (variation in gaster color); Empey, 1969a:322 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Empey, 1983:188 (bibliographic reference, type examined).

711. *schultzei* Bischoff

Cerceris schultzei Bischoff, 1913b:116, ♂. Lectotype: ♂, Botswana: Severelela-Kakir (ZMHU), designated by Empey, 1983:188. – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:138, 144 (in key to Afrotropical *Cerceris*), 1935a:499 (South Africa: Kalahari); Empey, 1969a:323 (as new synonym of *Cerceris trichionota*); R. Bohart and Menke, 1976:588 (as synonym of *Cerceris trichionota*), 628 (resurrected status reported); Empey, 1983:188 (bibliographic reference, type examined); Dollfuss, 2020a:104 (Namibia: 80 km southwest of Rundu).

Cerceris transvaalicola Brauns, 1914:232, ♀, ♂. Lectotype: ♀, South Africa: Transvaal: Lichtenburg (TMP), designated by Empey, 1983:188. Synonymized with *Cerceris schultzei* by Arnold, 1931:149; and with *Cerceris trichionota* by Empey, 1969a:323. – Brauns, 1926:284 (in revision of Afrotropical *Cerceris*); Arnold, 1930:12 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:628 (restored synonymy with *Cerceris schutzei* recorded).

712. *schwarzi* Dollfuss

Cerceris schwarzi Dollfuss, 2020a:112, ♀, ♂. Holotype: ♀, Namibia: Otjozondjupa Region: 25 km northwest of Otjiwarongo (OÖLM).

713. *scutifera* Shestakov

Cerceris scutifera Shestakov, 1914a:92, ♀, ♂. Syntypes: Uzbekistan: Kyzil-Kum Desert: Murun-kuduk (ZIN). – Shestakov, 1918a:151 (Uzbekistan), 1922:82 (Russia: Zimnyaya Stavka in lower Kuma River area); Kazenas, 1972b:131 (Kazakhstan; determination tentative); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Kazenas, 1978b:63, 65 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1978:195 (in key to Sphecidae of European part of USSR); Islamov and Kazenas, 1983:45 (Uzbekistan); Kazenas, 1984a:129 (in revision of *Cerceris* of Kazakhstan and Central Asia); Islamov, 1986:521 (Uzbekistan: Tashkent Oblast': Khumsan); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Esenbekova and Kazenas, 2000:79 (southeastern Kazakhstan: no specific locality); K. Schmidt, 2000:80 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:58 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:114, 117 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:152 (geographic distribution, collecting localities in Kazakhstan), 2004b:113 (Kazakhstan: western Tien Shan), 2008a:107 (southeastern Kazakhstan: 10 km northwest of Alma Ata, near Borandysu); Baghirov, 2010:679 (Russia: Altai Territories: village Kosh-Agach), 2011b:155 (Russia: Altayskiy Kray: Savvushka; Altay Republic: Kosh-Agach); Kazenas, 2013b:500 (southeastern Kazakhstan: Borandysu), 2014a:139 (Kazakhstan: Karatau Mountain Range); Danilov and Mokrousov, 2017b:255 (in catalog of Philanthinae of Russia); Dollfuss, 2018:1162 (locality records from Kazakhstan and Uzbekistan), 2021c:619 (Kazakhstan, Kyrgyzstan, Tajikistan, and Uzbekistan: locality records); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

Cerceris tadzhika Gussakovskij, 1952:286, ♀, ♂. Syntypes: Tajikistan: Stalinabad, now Dushanbe and Kangurt (ZIN). Synonymized with *Cerceris scutifera* by Kazenas, 1984a:129. – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Kazenas, 1978b:64 (in key to Sphecidae of Kazakhstan and Central Asia, as *tadzica*); Kazenas, 2001b:59 (in checklist of Sphecidae of Kazakhstan and Central Asia).

714. *sedula* Evans (preoccupied)

Cerceris sedula Evans, 1982a:320, ♀, ♂, junior primary homonym of *Cerceris sedula* Arnold, 1940. Holotype: ♀, Australia: Victoria: Wyperfeld National Park 40 km north of Rainbow (ANIC). Paratypes: South Australia. – Cardale, 1985:302 (in catalog of Australian Sphecidae).

715. *seleukos* K. Schmidt

Cerceris seleukos K. Schmidt, 2000:81, ♀, ♂. Holotype: ♀, Turkey: Silifke Province: 30 km northwest of Erdemli (OÖLM Linz). – Schwarz-Waubke, Schwarz, F. Gusenleitner, J. Gusenleitner, Malicky, Malicky-Ruzicka, and Vogtenhuber, 2003:446 (holotype and paratype in Biologiezentrum, Linz, Austria); Ljubomirov and Yildirim, 2008:153 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces), 19 (is an endemic of Turkey); Koçak and Kemal, 2015:141 (in checklist of Hymenoptera of Turkey); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:26 (Turkey: Tunceli: Ovacık: Havzulu); Dollfuss, 2018:1162 (locality records from Syria and Turkey); Kemal and Koçak, 2018:34 (Turkey: in list of pterygot insects of Van Province); Dollfus, 2021c:620 (locality records from Syria and Turkey); Kaplan and Yildirim, 2021:99 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:40 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

716. *semenovi* Shestakov

Cerceris semenovi Shestakov, 1914a:90, ♀, ♂. Syntypes: Uzbekistan: Kyzil Kum Desert: Nil-Kuduk and Nurchitay-uialy (ZIN). – Shestakov, 1918a:151 (Uzbekistan); Myartseva, 1963b:61 (Turkmenistan: lower Murgab River), 1965:95 (Turkmenistan: Akibay), 1972a:93 (Turkmenistan); R. Bohart and Menke, 1976:587 (in

checklist of world Sphecidae); Kazenas, 1978b:70, 72 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:222 (in revision of *Cerceris* of Kazakhstan and Central Asia), 1992c:29 (Turkmenistan: Repetek Nature Reserve); Esenbekova and Kazenas, 2000:79 (southeastern Kazakhstan: 45-60 km east of Chilik, 10 km northwest of Chundzha); Kazenas, 2001b:58 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:123, 124 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:152 (geographic distribution, collecting localities in Kazakhstan), 2008a:107 (southeastern Kazakhstan: 35-60 km east of Chilik, 10 km northwest of Chundza), 2013b:500 (southeastern Kazakhstan: 35-60 km east of Chilik, 10 km northwest of Chundzha on Sharyn River).

717. *semilunata* Radoszkowski

Cerceris semilunata Radoszkowski, 1870:105, ♀. Holotype or syntypes: ♀, Russia: Amur area (depository?). – Schletterer, 1887:477 (original description copied), 502 (in checklist of world *Cerceris*); Dalla Torre, 1897:476 (in catalog of world Hymenoptera); Kohl, 1916:123 (type not in O. Radoszkowski collection, Kraków); Gussakovskij, 1932:33 (Russia: Ussuri area: Sedanka; determination tentative), 1934a:14 (China); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Nemkov, 1986:109 (Russia: Siberia: Irkutsk Oblast'), 1992b:251 (Russia: Far East: Natalino near Khingan Nature Reserve); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:474, 478 (in key to Sphecidae of Russian Far East); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Nemkov, 2008b:26 (in catalog of Crabronidae of Asiatic Russia), 2009b:152 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia), 2012c:448 (in catalog of Crabronidae of Russian Far East); J.-K. Kim, 2014:449 (in catalog of Sphecidae *sensu lato* of Korean Peninsula); Danilov and Mokrousov, 2017b:255 (in catalog of Philanthinae of Russia).

Cerceris hokkanzana Tsuneki, 1961c:42, ♀, ♂. Holotype: ♀, Korea: Hokkanzan: Keijo (originally K. Tsuneki coll., now USNM). Synonymized with *Cerceris semilunata* by Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:474. – Tsuneki, 1961c:13, 17 (in key to *Cerceris* of northeastern Asia), 1974a:372 (Korea); R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae); Tsuneki, 1976d:293 (China: Heilungkiang: Harbin); Kazenas, 1979d:78 (Russia: Primorskiy Kray; comparison with *Cerceris flavilabris*), 86, 88 (in key to *Cerceris* of Russian Far East); Tsuneki, 1982b:18 (known from Korea); Paik, 1985:203 (in list of Sphecidae of Korea); Tsuneki, 1991:201 (Korea); Nuhn and Menke, 1994:25 (holotype transferred to USNM).

718. *seminigra* Taschenberg

Cerceris semininigra Taschenberg, 1875:401, ♀. Holotype or syntypes: ♀, Sudan: Khartum (Halle). – Schletterer, 1887:502 (in checklist of world *Cerceris*); Dalla Torre, 1897:476 (in catalog of world Hymenoptera); Arnold, 1930:12 (in checklist of Afrotropical Sphecidae); Empey, 1969a:322 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Empey, 1983:188 (bibliographic reference, type not examined).

719. *semipetiolata* de Saussure

Cerceris semipetiolata de Saussure, 1867:88, ♂. Holotype: ♂, Mexico: Orizaba (type lost: Scullen, 1972:52). – Schletterer, 1887:502 (in checklist of world *Cerceris*); Cameron, 1890a:118 (description of ♀); Dalla Torre, 1897:476 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); G. Ferguson, 1984c:493 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:61 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

Cerceris williamsi Scullen, 1972:54, ♀. Holotype: ♀, Mexico: Veracruz: Fortín de las Flores. Synonymized with *Cerceris semipetiolata* by G. Ferguson, 1984c:493. – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

720. *sepulcralis* F. Smith

Cerceris sepulcralis F. Smith, 1858a:107, ♀. Lectotype: ♀, Malaysia: Sarawak: no specific locality (OXUM), designated by Empey, 1984:79 (Article 74.6). – F. Smith, 1863b:136 (known from Sulawesi), 1865a:87 (Indonesia: Moluku: Island of Gilolo, now Halmahera, as *sepulchralis*), 1871a:370 (in catalog of Oriental Aculeata); Schletterer, 1887:502 (in checklist of world *Cerceris*); Cameron, 1890b:250 (in checklist of Oriental Sphecidae); Dalla Torre, 1897:476 (in catalog of world Hymenoptera, as *sepulchralis*); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Empey, 1984:79 (bibliographic reference, as *sepulchralis sepulchralis* [sic]).

Cerceris crassidens Cameron, 1902a:98, ♀. Lectotype: ♀, East Malaysia: Sarawak: Pankalan Ampat (BMNH), designated by Empey, 1984:79. Synonymized with *Cerceris sepulchralis* by Empey, 1984:79. – R. Bohart and Menke, 1976:579; Empey, 1984:79 (in checklist of Oriental *Cerceris* described by Cameron).

ssp. *vafra* Bingham

Cerceris vafra Bingham, 1895:443, ♀. Holotype: ♀, Philippines: Luzon: Cape Engano (BMNH). – Ashmead, 1904a:6 (Philippines: Luzon), 1904d:150 (Philippines); Dalla Torre, 1897:480 (in catalog of world Hymenoptera); R. Brown, 1906:687 (in catalog of Philippine Hymenoptera); Baltazar, 1966:351 (in catalog of Hymenoptera of Philippines); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:46 (in key to *Cerceris* of Philippines), 53 (redescription). – **As *Cerceris sepulchralis*** [sic] ***vafra***: Empey, 1984:79 (new status).

Cerceris angularis Cockerell, 1914a:220, ♀. Holotype or syntypes: ♀, Philippines: Luzon: Mount Makiling (USNM). Synonymized with *Cerceris vafra* by Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:53. – F. Williams, 1919d:146 (Philippines: Luzon: Los Baños: nesting habits); Evans, 1957b:87 (description of larva); Tsuneki, 1965d:4 (prey record summary: ? Cerambycidae); Baltazar, 1966:351 (in catalog of Hymenoptera of Philippines); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Steiner, 1986:113 (references to publications on nesting habits).

721. *serrana* Fritz

Cerceris serrana Fritz, 1989:267, ♀, ♂. Holotype: ♀, Argentina: Córdoba: Tanti (originally M. Fritz coll., now MACN). Paratypes: Paraguay. – Fritz, 1989:262 (in key to *Cerceris pollens* species group), Fritz, 1993:17 (holotype in M. Fritz coll.); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

722. *severini* Kohl

Cerceris severini Kohl, 1913a:207, ♀ (as *Severini*, incorrect original capitalization). Holotype: ♀, Zaire: no specific locality (MRAC). – Brauns, 1926:289 (original description translated into English, description of ♂); Arnold, 1930:12 (in checklist of Afrotropical Sphecidae); Schouteden, 1930:93 (Zaire); Arnold, 1931:149 (the ♂ described by Brauns is likely to be *Cerceris proteles*), 1942:24 (gastral base illustrated), 1951:107 (Ethiopia, Mali, Niger); Empey, 1969a:322 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Empey, 1983:188 (bibliographic reference, type examined).

Cerceris nigeriae Brauns, 1926:287, ♀. Holotype: ♀, Nigeria: Afikpo (BMNH). Synonymized with *Cerceris severini* by Empey, 1983:188. – Arnold, 1930:11 (in checklist of Afrotropical Sphecidae); Empey, 1969a:316 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae).

723. *sexta* Say

Cerceris sexta Say, 1837:382, sex not stated. Holotype or syntypes: USA: Missouri: no specific locality (lost). Neotype: ♂, Colorado: no specific locality (ANSP), designated by Scullen, 1965b:506. – F. Smith, 1856:465 (in catalog of Hymenoptera in British Museum); Le Conte, 1859b:763 (original description copied); Cresson, 1862:237 (in catalog of North American Hymenoptera), 1865c:119 (in revision of North American Philanthinae); Packard, 1866:59 (in key to North American *Cerceris*), 61 (bibliographic reference, geographic distribution); Cresson, 1875:717 (Colorado); Patton, 1879d:361 (northwestern Kansas);

Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:502 (in checklist of world *Cerceris*); Ashmead, 1890:32 (in checklist of Hymenoptera of Colorado); Dalla Torre, 1897:476 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Bridwell, 1899:209 (Kansas: no specific locality); Snow, 1906:9 (Arizona: Hymphrey's Peak); H. Smith, 1908b:365 (in revision of Nebraskan Sphecidae); Banks, 1913b:424 (California, Wyoming); Mickel, 1918b:450 (in catalog of Nebraskan Sphecidae); Banks, 1947:10 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010 (in catalog of North American Hymenoptera); Scullen, 1965b:505 (in revision of North American *Cerceris*); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); G. Ferguson, 1984c:494 (in annotated list of North American and Caribbean *Cerceris*); Weissmann and Kondratieff, 1999:78 (Colorado: Great Sand Dunes National Monument); Amarante, 2005a:5 (in addendum to his 2002 catalog of Neotropical Crabronidae and Sphecidae); Ratzlaff, 2016:28 (Canada: British Columbia: from Scullen, 1965); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Alberta, Saskatchewan, first record from Manitoba: no specific locality).

Cerceris biungulata Cresson, 1865c:118, ♀. Holotype: ♀, USA, Colorado: Rocky Mountains: no specific locality (ANSP). Synonymized with *Cerceris sexta* by Scullen, 1960:79. – Packard, 1866:59 (in key to North American *Cerceris*), 61 (bibliographic reference, geographic distribution); Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:487 (in checklist of world *Cerceris*); Ashmead, 1890:32 (in checklist of Hymenoptera of Colorado, as *biungulatus*); Dalla Torre, 1897:454 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Snow, 1906:9 (Arizona: Oak Creek 20 mi. SW Flagstaff); Cresson, 1916:99 (holotype in ANSP); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1005 (in catalog of North American Hymenoptera).

Cerceris alceste Mickel, 1918a:333, ♀. Holotype: ♀, USA, Nebraska: Mitchell (UNL). Synonymized with *Cerceris sexta* by G. Ferguson, 1984c:494. – Mickel, 1918b:449 (in catalog of Nebraskan Sphecidae); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1005 (in catalog of North American Hymenoptera); Muma, 1952:17 (holotype in UNL); Scullen, 1965b:455 (in revision of North American *Cerceris*); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Krombein, 1979b:1729 (in catalog of North American Hymenoptera).

Cerceris fugatrix Mickel, 1918a:335, ♂. Holotype: ♂, USA: Nebraska: Mitchell (UNL). Synonymized with *Cerceris stigmosalis* by Scullen, 1960:79, and with *Cerceris sexta* by G. Ferguson, 1984c:494. – Mickel, 1918b:452 (in catalog of Nebraskan Sphecidae); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1008 (in catalog of North American Hymenoptera); Muma, 1952:17 (holotype in UNL).

Cerceris sayi Banks, 1923:21, ♀, ♂. Lectotype: ♀, USA, North Dakota: Steele (MCZ), designated by G. Ferguson, 1983b:232. Synonymized with *Cerceris fugatrix* by Scullen *in* Muesebeck, Krombein, and Townes, 1951:1008, with *Cerceris stigmosalis* by Scullen, 1960:79, and with *Cerceris sexta* by G. Ferguson, 1984c:494.

Cerceris stevensi Banks, 1923:22, [♀]. Lectotype: ♀, USA, North Dakota: Steele (MCZ), designated by G. Ferguson, 1983b:233. Synonymized with *Cerceris fugatrix* by Scullen *in* Muesebeck, Krombein, and Townes, 1951:1008, with *Cerceris stigmosalis* by Scullen, 1960:79, and with *Cerceris sexta* by G. Ferguson, 1984c:494.

Cerceris orphne Banks, 1947:15, ♂. Holotype: ♂, USA: New Mexico: Jemez Springs (MCZ). Synonymized with *Cerceris sexta* by Scullen, 1961:47. – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1009 (in catalog of North American Hymenoptera); G. Ferguson, 1983b:231 (study of holotype).

724. *sextoides* Banks

Cerceris sextoides Banks, 1947:10, ♀, ♂. Holotype: ♀, USA, Washington: Yakima River: Lone Tree (MCZ). – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010 (in catalog of North American Hymenoptera); Spencer, 1957:23 (Canada: British Columbia: Kamloops); Scullen, 1961:48 (as new synonym of *Cerceris*

tepaneca), 1969:284 (valid species); G. Bohart, Nye, and Hawthorn, 1970:48 (Utah: Logan, onion pollinator); R. Bohart and Grissell, 1975:51 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Krombein, 1979b:1737 (in catalog of North American Hymenoptera, list of prey); G. Ferguson, 1983b:232 (study of holotype), 1984c:494 (in annotated list of North American and Caribbean *Cerceris*); Rust, Menke, and Miller, 1985:47 (California: Channel Islands); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Ratzlaff, 2016:28 (Canada: British Columbia: from Spencer, 1957 and Krombein, 1979); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: British Columbia: no specific locality).

Cerceris eurymele Banks, 1947:11, ♀, ♂ Holotype: ♀, USA: California: Davis (MCZ). Synonymized with *Cerceris sextoides* by Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010, with *Cerceris tepaneca* by Scullen, 1965b:509, and with *Cerceris sextoides* by Scullen, 1969:283. – G. Ferguson, 1983b:228 (study of holotype)

725. *seyrigi* Arnold

Cerceris seyrigi Arnold, 1945:27, ♀, nec ♂ (as *Seyrigi*, incorrect original capitalization). Lectotype: ♀, Madagascar: Bekily (MNHN), designated by Empey, 1983:188. – Empey, 1969a:322 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Empey, 1983:188 (the ♂ described by Arnold is an undescribed species); Pulawski, 2003b:799 (in checklist of Malagasy Sphecidae); Madl, 2014a:1004 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records).

726. *shelfordi* R. Turner

Cerceris shelfordi R. Turner, 1912e:815, ♀. Holotype or syntypes: ♀, East Malaysia: Sarawak: Kuching (OXUM). – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae).

727. *shestakovi* Gussakovskij

Cerceris shestakovi Gussakovskij, 1952:285, ♀, ♂. Syntypes: Tajikistan: Stalinabad, now Dushanbe, and Kurgan-Tyube (ZIN). – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Kazenas, 1978b:65 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:131 (in revision of *Cerceris* of Kazakhstan and Central Asia); Nazarova and Shomirsaidov, 1997:24 (Tajikistan: fruit tree orchards in Vakhsh River valley); Kazenas, 2001b:58 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:114, 117 (in key to *Cerceris* of Kazakhstan and Central Asia); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

728. *shestakoviana* Gussakovskij

Cerceris shestakoviana Gussakovskij, 1952:282, ♀, ♂. Lectotype: ♀, Tajikistan: between Djilikul and Mikoyanabad, now Kabadian (ZIN), designated by Mokrousov, 2017b:14. Paralectotypes: Uzbekistan: Golodnaya Step (ZIN). – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Kazenas, 1984a:21 (in revision of *Cerceris* of Kazakhstan and Central Asia); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Esenbekova and Kazenas, 2000:79 (southeastern Kazakhstan: 3 km northeast of Borandysu, 35-75 km east of Chilik, 10 km northwest of and 15 km east of Chundzha, 50 km east of Nurly); Kazenas, 2001b:58 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:106, 108 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:152 (geographic distribution, collecting localities in Kazakhstan), 2013b:500 (southeastern Kazakhstan: Borandysu 30 km east of Chilik, 10 km northwest of Chundzha on Sharyn River, 15 km east of Chundzha); Danilov and Mokrousov, 2017b:255 (in catalog of Philanthinae of Russia); Mokrousov, 2017b:14 (Russia: Astrakhan' Oblast' and Kalmykia: locality records); Dollfuss, 2018:1162 (Iran: Golestan: 70 km est of Minudasht at 37.26°N 55.99°E); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:18 (Iran: known from Golestan Province); Dollfuss, 2021c:620 (locality records from Iran, Kazakhstan, and Tajikistan); Malash, Edmardash, and Gadallah, 2022:40 (in

catalog of Middle Eastern and North African Philanthinae); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

Cerceris geniculata Kazenas, 1974a:101, ♀, ♂ (as *geniculatus*, incorrect original termination), junior primary homonym of *Cerceris geniculata* Cameron, 1890. Holotype: ♀, Kazakhstan: 40 km southeast of Bakanas in Semiretchye (ZIN or V.L. Kazenas coll.?). Synonymized with *Cerceris shestakoviana* by Kazenas, 1984a:21. – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae).

Cerceris lehri Kazenas, 1977b:431. Holotype: ♀, Kazakhstan: near Chardara (ZIN). Synonymized with *Cerceris shestakoviana* by Kazenas, 1984a:21. – Kazenas, 1978b:52 (in key to Sphecidae of Kazakhstan and Central Asia).

729. *shirozui* Tsuneki

Cerceris shirozui Tsuneki, 1968l:51, ♀. Holotype: ♀, South Korea: Island of Quelpart, now Island of Cheju: Mount Hanna (originally K. Tsuneki coll., now Hyogo Mus.). – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Paik, 1985:203 (in list of Sphecidae of Korea); Hashimoto and Nakanishi, 1997:29 (holotype transferred to Hyogo Mus.); J.-K. Kim, 2014:449 (in catalog of Sphecidae *sensu lato* of Korean Peninsula).

730. *sibirica* F. Morawitz

Cerceris sibirica F. Morawitz, 1892:159, ♀. Holotype: ♀, Russia: Siberia: Krasnoyarsk Kray: Minussinsk (ZIN). – Dalla Torre, 1897:476 (in catalog of world Hymenoptera); Tsuneki, 1961c:14, 19 (in key to *Cerceris* of northeastern Asia), 60 (China: Heilungkiang: Harbin; redescription), 1967e:2 (China: Heilungkiang); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Kazenas, 1979d:86, 89 (in key to *Cerceris* of Russian Far East); Nemkov, 1990c:85 (Russia: Buryat Republic), 1992b:251 (Russia: Far East: Bureya River near Khingan Nature Reserve); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:474, 480 (in key to Sphecidae of Russian Far East); Wu and Zhou, 1996a:181 (in revision in Economic Insect Fauna of China); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Nemkov, 2008b:26 (in catalog of Crabronidae of Asiatic Russia), 2009b:152 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia), 2012c:448 (in catalog of Crabronidae of Russian Far East); Danilov and Mokrousov, 2017b:255 (in catalog of Philanthinae of Russia); Dollfuss, 2021c:620 (China: Gansu: Wudu; Mongolia and Russia: Tyva Republic: locality records).

731. *siccata* Evans

Cerceris siccata Evans, 1982a:355, ♀, ♂. Holotype: ♀, Australia: New South Wales: Packsaddle 179 km north of Broken Hill (ANIC). Paratypes: Northern Territory, Victoria. – Cardale, 1985:302 (in catalog of Australian Sphecidae).

732. *sidamoensis* Dollfuss

Cerceris sidamoensis Dollfuss, 2023b:337, ♀, ♂. Holotype: ♀, Ethiopia: Sidamo: 20 km southeast of Konsa (OÖLM). Paratypes: Kenya.

733. *silvana* Schletterer

Cerceris silvana Schletterer, 1887:462, ♀, ♂. Syntypes: Brazil: no specific locality (NHMW). – Schletterer, 1887:502 (in checklist of world *Cerceris*); Dalla Torre, 1897:476 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Dollfuss, 1989:8 (holotype in NHMW); Amarante, 2002:61 (in catalog of Neotropical Crabronidae); Dollfuss, 2021b:574 (Argentina: Entre Ríos: Pronunciamiento; Paraguay: San Pedro province: 20 km east-southeast od Cororo).

734. *simulans* de Saussure

Cerceris simulans de Saussure, 1867:87, ♂. Holotype: ♂, Mexico: "in Cordillera orientali" (NHMW). Designation of neotype by Scullen, 1972:94 was illegal (G. Ferguson, 1984b:439). – Schletterer, 1887:502 (in checklist of world *Cerceris*); Cameron, 1890a:108 (bibliographic reference); Dalla Torre, 1897:477 (in

catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Scullen, 1972:93 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); G. Ferguson, 1984c:494 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:61 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Dollfuss, 2921b:574(Ecuador: Napo Province: Loreto 70 km southwest of Coca).

Cerceris rostrata F. Smith, 1873c:409, ♀. Holotype or syntypes: ♀, Mexico: no specific locality (BMNH). Synonymized with *Cerceris simulans* by G. Ferguson, 1984c:494. – Schletterer, 1887:500 (in checklist of world *Cerceris*); Cameron, 1890a:127 (is probably a synonym of *Cerceris simulans*); Dalla Torre, 1897:473 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Scullen, 1972:93 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

Cerceris chrysogastra Schletterer, 1887:458, ♂. Lectotype: ♂, Mexico: Orizaba (NHMW), designated by Scullen, 1972:95. Synonymized with *Cerceris simulans* by Scullen, 1972:93. – Schletterer, 1887:488 (in checklist of world *Cerceris*, as *chrysogaster*); Cameron, 1890a:127 (bibliographic reference); Dalla Torre, 1897:455 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Kohl, 1916:108 (description of ♀); Dollfuss, 1989:8 (lectotype in NHMW, as *chrysogaster*).

735. *sinaitica* de Beaumont

As *Cerceris Döderleini*: Mochi, 1938:164 (in revision of Egyptian *Cerceris*), Giner Marí, 1941b:259 (in revision of North African *Cerceris*), 1945a:248 (Algeria: Biskra), corrected to *Cerceris sinaitica* by de Beaumont, 1951b.179.

Cerceris sinaitica de Beaumont, 1951b:179. Substitute name for *Cerceris doederleini* of Mochi, 1939. Holotype: ♀, Egypt: Sinai Peninsula: Wadi um Mitla (USNM). – de Beaumont, 1951f:401 (diagnostic characters); de Beaumont and Bytinski-Salz, 1959:132 (Israel: Beersheba); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Roche and Zalat, 1994:117 (Egypt: Sinai Peninsula); K. Schmidt, 2000:120 (in revision of Western Palearctic *Cerceris*); Roche, 2007a:138 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Dollfuss, 2021c:620 (Israel: three localities); Malash, Edmardash, and Gadallah, 2022:40 (in catalog of Middle Eastern and North African Philanthinae).

736. *sinensis* F. Smith

Cerceris sinensis F. Smith, 1856:456, ♀. Holotype or syntypes: ♀, North China: no specific locality (BMNH). *Cerceris* Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Tsuneki, 1977j:263 (Taiwan: Teraso); Wu and Zhou, 1996a:176 (in revision in Economic Insect Fauna of China); Porter, Stange, and Wang, 1999:14 (in checklist of Sphecidae of Taiwan); Q. Li and He, 2004:1114 (in hymenopterous fauna of Zhejiang Province, China); Hua, 2006:278 (in list of Chinese insects, geographic distribution); X. Li and L. Ma, 2014:2714 (in key to *Cerceris alboatra* species group of China, in Chinese).

737. *sirdariensis* Radoszkowski

Cerceris sirdariensis Radoszkowski, 1877:54, ♀, ♂ (as *Sirdariensis*, incorrect original capitalization). Syntypes: Uzbekistan: Samarkand; Kazakhstan: Syr-Daria steppe (ZMMU). – Schletterer, 1887:479 (original description copied), 502 (in checklist of world *Cerceris*); Ed. André, 1889:282, 323 (in revision of Sphecidae of Europe and Algeria), 22* (bibliographic references); Radoszkowski, 1893a:66 (Turkmenistan); Dalla Torre, 1897:477 (in catalog of world Hymenoptera); nec Kohl, 1916:123 (= *Cerceris pseudoflavescens*); Shestakov, 1918a:151 (redescription), 1926:240 (interpretation of species; misspelled *syrdariensis*); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Kazenas, 1978b:64 (in key to Sphecidae of

Kazakhstan and Central Asia), 1984a:166 (in revision of *Cerceris* of Kazakhstan and Central Asia); Nazarova and Shomirsaidov, 1997:25 (Tajikistan: fruit tree orchards in Vakhsh River valley); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Kazenas, 2001b:58 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:114, 117 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:153 (geographic distribution, collecting localities in Kazakhstan), 2004b:113 (Kazakhstan: western Tien Shan), 2014a:139 (Kazakhstan: Karatau Mountain Range); Dollfuss, 2021c:620 (Mongolia:Arkhangay Province: 90 km northeast of Tsetserleg at 45°03'N 102°25'E)[Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

738. *sobo* Yasumatsu and Okabe

Cerceris sobo Yasumatsu and Okabe, 1936:497, ♀. Holotype: ♀, Japan: Kyushu: Kôbaru (depository?). – Yasumatsu and Okabe, 1936:500 (list of prey species, all curculionids); Tsuneki, 1961c:7, 15, 23, 24 (in key to *Cerceris* of northeastern Asia), 31 (taxonomic position within *Cerceris*, Korea), 39 (description of ♂), 1965d:3 (prey record summary: Curculionidae), 32 (nesting habits); Haneda, 1972b:54 (nesting habits); Suda, 1972c:52 (Japan); Nambu, 1973a:152 (Japan: Saitama Prefecture); Suda, 1973:123 (Japan: Yamanashi Prefecture); Tsuneki, 1973r:127 (Japan: Fukui Prefecture, nest and prey), 1974a:372 (Korea); Nambu, 1975b:72 (Japan: Saitama Prefecture); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Kazenas, 1979d:81, 86 (in key to *Cerceris* of Russian Far East); Tano, Kurokawa and Nozaka, 1982, Hymen. Communic. 14:33 (Japan: Kyushu); Tsuneki, 1982b:18 (known from Korea), 1991:201 (Korea); Paik, 1985:203 (in list of Sphecidae of Korea); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:468, 476 (in key to Sphecidae of Russian Far East); Haneda, Inoue, Nozaka, Tano, Kurokawa, H. Murota, and T. Murota, 2005:67 (Japan: Fukui Prefecture: Mount Monju); Terayama and Tano, 2005:2, 5 (in key to Japanese *Cerceris*); Mori, 2010:1 (nesting habits, in Japanese); J.-K. Kim, 2014:449 (in catalog of Sphecidae *sensu lato* of Korean Peninsula); Dollfuss, 2020b:122 (Laos: Hua Phan Province: Phou Pan Mountain near Ban Saleui village at 20°13'30"N 103°59'26"E), 2021c:620 (Korea: Gyeon Province: near Gyeongju at 35.86°N 129.23°E).

ssp. *aponis* Tsuneki

Cerceris sobo aponis Tsuneki, 1984b:55, ♀, ♂. Holotype: ♀, Philippines: Mindanao: Mount Apo (originally K. Tsuneki coll., now USNM). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:47, 50 (in key to *Cerceris* of Philippines), 66 (variation); Nuhn and Menke, 1994:26 (holotype not transferred to USNM, possibly returned to T. Tano, the collector); Menke, 1995:14 (type still in K. Tsuneki collection); Tano, 1995:46 (holotype in K. Tsuneki collection), 2020:26 (holotype in USNM).

739. *sokotrae* Kohl

Cerceris sokotrae Kohl, 1906a:207, ♀, ♂. Lectotype: ♀, Yemen: Island of Socotra: Ras Shoab (NHMW), designated by Empey, 1973:9. – de Beaumont, 1966:208 (comparison with *Cerceris berenice*); Empey, 1973:6 (Kenya, Ethiopia; redescription), 1974:103 (as *Cerceris rufocincta sokotrae*, new status); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae), 628 (as *Cerceris rufocincta sokotrae*); Guichard, 1980:230 (Oman, as *Cerceris rufocincta sokotrae*); Empey, 1983:187 (bibliographic reference, type examined, as *Cerceris rufocincta sokotrae*); Dollfuss, 1989:8 (lectotype in NHMW); Guichard, 1993a:156 (Arabian Peninsula, resurrected to full species status); Gadallah and Assery, 2004a:235 (in catalog of Sphecidae of Saudi Arabia); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:358 (in new catalog of Sphecidae of Saudi Arabia); Dollfuss, 2020a:104 (locality records from Kenya and Mali); Gadallah, 2020b:65 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021a:959 (Oman: Dhofar: 13 km north of Mirbat: Jebel Samhan at 17.111°N 54.711°E), 2021c:621 (Yemen: three localities); Malash, Edmardash, and Gadallah, 2022:41 (in catalog of Middle Eastern and North African Philanthinae); Dollfuss, 2023a:410 (Oman); Gadallah and Abu El-Ghiet, 2024:90 (Saudi Arabia: Jazan Province: Abu Arish).

740. *solitaria* Dahlbom

Cerceris solitaria Dahlbom, 1845:502, ♂. Holotype: ♂, Egypt: no specific locality (NRS). – F. Smith, 1856:445 (in catalog of Hymenoptera in British Museum); Schletterer, 1887:479 (original description copied), 503 (in checklist of world *Cerceris*); Ed. André, 1889:324 (in revision of Sphecidae of Europe and Algeria), 1891:30* (bibliographic references); Dalla Torre, 1897:477 (in catalog of world Hymenoptera); Giner Marí, 1941b:289 (original description copied, possibly ♂ of *Cerceris erythrocephala*); de Beaumont, 1950c:325 (study of holotype), 1950d:8 (Egypt: Siwa oasis; synonymy), 1950f:397 (Algeria: Tadjerouna), 1951f:391 (Egypt to Morocco, comparison with *Cerceris rufipes*, now *tuberculata*), 1953g:124 (Morocco), 1956a:187 (Chad: Tibesti); de Beaumont and Bytinski-Salz, 1959:131 (Israel; recognition charaters); Grandi, 1959b:287 (Algeria: Biskra, Goriana in Hodna district); Pulawski, 1964:74 (Egypt: Abu Rawash, Ghiza, Kom Osheim, Maadi); Empey, 1969a:326 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Guichard, 1980:230 (Oman), 1993a:160 (Arabian Peninsula); Roche and Zalat, 1994:117 (Egypt: Sinai Peninsula, as *sloitaria*); K. Schmidt, 2000:189 (in revision of Western Palearctic *Cerceris*); Gadallah and Assery, 2004a:218 (Saudi Arabia: in key to Sphecidae of Jeddah Region), 235 (in catalog of Sphecidae of Saudi Arabia: Hadasham 120 km east of Jeddah); Roche, 2007a:137 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:358 (in new catalog of Sphecidae of Saudi Arabia); Ebrahimi, 2014:46 (Iran: Hormozgān: Bandar-e Lengeh); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:80 (Iran: known from Homozgan Province); Dollfuss, 2018:1162 (Algeria: Hodna; Egypt: Abu Rawash. El Katta, and Kom Osheim; Tunisia: Kasserine); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:18 (Iran: known from Hormozgan Province); Ben Khedher, Yildirime, and Braham, 2020c:543 (Tunisia: previous records from Ben Arous, Gafsa, Kairouan, Kasserine, and Tunis provinces reported); Gadallah, 2020b:65 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021c:621 (Algeria: Djanet; Oman: 17 km west of Súr, southwest of Súr, Gebel Hawrah Mahdah); Malash, Edmardash, and Gadallah, 2022:41 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:298 (first record from United Arab Emirates: Umm al Qaywayn); Dollfuss, 2023a:410 (Oman); Gadallah and Abu El-Ghiet, 2024:90 (Saudi Arabia: Jazan Province: Abu Arish).

Cerceris erythrocephala Dahlbom, 1845:502, ♀. Holotype or syntypes: ♀, Egypt: no specific locality (NRS). Synonymized with *Cerceris solitaria* by de Beaumont, 1950c:325. – F. Smith, 1856:444 (in catalog of Hymenoptera in British Museum); nec Schletterer, 1887:393 (= *pseudoerythrocephala* von Schulthess); Schletterer, 1887:490 (in checklist of world *Cerceris*); Ed. André, 1889:257 (in revision of Sphecidae of Europe and Algeria), 23* (bibliographic references); Schletterer, 1889a:902 (Savigny, 1817, pl. X, Fig. 1 represents *erythrocephala*); Dalla Torre, 1897:459 (in catalog of world Hymenoptera); Graeffe, 1906:455 (Tunisia: Hammam el Lif); Kohl, 1906:206 (Arabian Peninsula, redescription); von Schulthess, 1926a:150 (*Cerceris erythrocephala* of Schletterer is a different species); Mochi, 1938:146 (in revision of Egyptian *Cerceris*); Honoré, 1941a:148 (nomenclatural history); Giner Marí, 1941b:244 (in revision of North African *Cerceris*); Arnold, 1942:23 (extending as far south as 16°N).

Cerceris nasuta Lepeletier de Saint Fargeau, 1845:6, ♀, junior primary homonym of *Cerceris nasuta* Latreille, 1809, and of *Cerceris nasuta* Dahlbom, 1844. Holotype or syntypes: ♀, Algeria: Oran (MNHN, Lucas coll.). Synonymized with *Cerceris erythrocephala* by von Schulthess, 1926a:150, and with *Cerceris solitaria* by de Beaumont, 1950c:322. – Lucas, 1849:250 (Algeria: Oran, original description copied with modifications); F. Smith, 1856:446 (in catalog of Hymenoptera in British Museum); Ed. André, 1889:335 (in revision of Sphecidae of Europe and Algeria), 24* (bibliographic references); Acloque, 1897:81 (in Sphecid Fauna of France and Algeria); Dalla Torre, 1897:468 (in catalog of world Hymenoptera); Bingham, 1902:214 (South Africa, "indistinguishable from Algerian specimens"); Morice, 1911:88 (Algeria: Biskra); Storey, 1916:108 (Egypt: Abu Qir, Ein Shams, Ezbet el Nakhl, Maadi, Mariut); von Schulthess, 1926a:150

(tentatively synonymized *Cerceris nasuta* with *solitaria*), 1926b:211 (Tunisia); de Beaumont, 1950c:322 (study of holotype).

As *Cerceris laticincta* (♂ only), corrected to *Cerceris solitaria* by de Beaumont, 1951f:391: Lepeletier de Saint Fargeau, 1845:18; Lucas, 1849:252.

Cerceris fasciata Lepeletier de Saint Fargeau, 1845:30, ♂, junior primary homonym of *Cerceris fasciata* Spinola, 1806. Syntypes: ♂, Algeria: Oran (MNHN, Lucas coll.). Synonymized with *Cerceris solitaria* by Roth *in* von Schulthess, 1926b:211, synonymy confirmed by de Beaumont, 1950c:323 (study of syntypes). – Lucas, 1849:256 (Algeria: Oran; original description copied with modifications); F. Smith, 1856:446 (in catalog of Hymenoptera in British Museum); Ed. André, 1889:328 (in revision of Sphecidae of Europe and Algeria), 1891:30* (bibliographic references); Dalla Torre, 1897:459 (in catalog of world Hymenoptera); Strand, 1910e:217 (Algeria: Constantine Province); Storey, 1916:108 (Egypt: Ein Shams); von Schulthess, 1926b:211 (Tunisia).

Cerceris rufa Taschenberg, 1875:400, ♀. Holotype or syntypes: Sudan: Khartum (Halle). Synonymized with *Cerceris solitaria* by Empey, 1969a:326. – Schletterer, 1887:500 (in checklist of world *Cerceris*); Ed. André, 1889:336 (in revision of Sphecidae of Europe and Algeria), 1891:30* (bibliographic references); Dalla Torre, 1897:474 (in catalog of world Hymenoptera).

Cerceris variegata Taschenberg, 1875:401, ♂. Syntypes: ♂, Sudan: Khartum (Halle Univ.). Synonymized with *Cerceris solitaria* by Empey, 1969a:326. – Schletterer, 1887:505 (in checklist of world *Cerceris*); Ed. André, 1889:336 (in revision of Sphecidae of Europe and Algeria), 1891:30* (bibliographic references); Dalla Torre, 1897:480 (in catalog of world Hymenoptera); Arnold, 1930:12 (in checklist of Afrotropical Sphecidae).

Cerceris selifera Schletterer, 1887:454, ♂. Lectotype: ♂, Sudan: Suakim (NHMW), designated by Empey, 1969a:326 (Article 74.6). Synonymized with *Cerceris erythrocephala* by Kohl, 1906:204 – Schletterer, 1887:502 (in checklist of world *Cerceris*); Dalla Torre, 1897:476 (in catalog of world Hymenoptera); Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:196 (original description translated into English).

Cerceris algirica Schletterer, 1887:464, junior secondary homonym of *Cerceris algirica* (Thunberg, 1815). Substitute name for *Cerceris fasciata* Lepeletier de Saint Fargeau, 1845. – Schletterer, 1887:464 (Lepeletier's original description copied), 485 (in checklist of world *Cerceris*).

Cerceris delepineyi Arnold, 1935b:2 and 8, ♀ (as *Delepineyi*, incorrect original capitalization). Syntypes: ♀, Mauritania: Nema (SAM). Synonymized with *Cerceris erythrocephala* by Arnold, 1942:23, and with *Cerceris solitaria* by Empey, 1969a:326.

Cerceris nemaensis Arnold, 1935b:3 and 8, ♂. Holotype: ♂, Mauritania: Nema (SAM). Synonymized with *Cerceris erythrocephala* by Arnold, 1942:23, and with *Cerceris solitaria* by Empey, 1969a:326.

Cerceris erythrocephala var. *gynochroma* Mochi, 1938:149, ♂. Syntypes: Egypt: no specific locality (USNM). Synonymized with *Cerceris solitaria* by de Beaumont,1951f:391. – **As *Cerceris gynochroma***: Giner Marí, 1941b:224 (new status, in revision of North African *Cerceris*); Menke *in* Mochi, 1987:43 (type material in USNM).

As *Cerceris tuberculata* varietas (= *Cerceris erythrocephala*): Morice, 1897:304 (Egypt: Abbasiya near Cairo).

741. *somalica* Arnold

Cerceris somalica Arnold, 1940:106, ♂. Holotype: ♂, Somalia: Mogadishu (originally A. Giordani Soika coll., now Torino Univ.). – Empey, 1969a:322 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Empey, 1983:188 (bibliographic reference, type examined).

742. *somotorensis* Balthasar

Cerceris somotorensis Balthasar, 1956:202 (May), ♂. Holotype: ♂, Slovakia: Somotor (originally V. Balthasar coll., now NMPC). – de Beaumont, 1957d:332 (synonymy, diagnostic characters); Balthasar, 1972:408 (in

Sphecid Fauna of Czechoslovakia); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Pulawski, 1978:192, 196 (in key to Sphecidae of European part of USSR, as *somotoriensis*); Dollfuss, 1983b:25 (in catalog of Sphecidae of Austria: Niederösterreich: Oberweiden); Kazenas, 1984a:151 (in revision of *Cerceris* of Kazakhstan and Central Asia); Józan, 1985b:62 (Hungary: Somogytúr), 72 (map of distribution in Hungary), 82 (floral records), 85 (ecological and zoogeographic characteristics); Dollfuss, 1988 (Austria: Niederösterreich: Oberweiden), 1991:222 (in key to Sphecidae of North and Central Europe); Voblenko, Gorobchishin, and Nesterov, 1996:15 (Ukraine: Polesye Region); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:365 (in Sphecid Fauna of Western Europe); Gorobchishin, 1998a:50 (Ukraine: Kiev and surroundings); K. Schmidt, 2000:84 (in revision of Western Palearctic *Cerceris*); Józan, 2001:281 (Hungary: Somogy County); Kazenas, 2001b:59 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:113, 117 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:153 (geographic distribution, collecting localities in Kazakhstan); Józan, 2003:228 (Hungary: Látrányi Puszta Nature Conservation Area); Kazenas, 2004d:37 (Kazakhstan: shores of Ural River); Gorobchishin, 2006:148 (Ukraine: village Kruglik near Kyiv); Shorenko, 2007b:258 (Ukraine: Crimea: Shchelkino village in Leninskiy District); Vepřek and Straka, 2007:210 (in catalog of Sphecidae of Czech Republic and Slovakia, known only from Slovakia); Shorenko, 2009:369 (in list of Sphecidae *sensu lato* of Crimea); Rudoiskatel', 2010:149 (Russia: southern Ural Mountains); Shorenko and Konovalov, 2010:29 (Ukraine: Lugansk Oblast': villages D'yakovo and Trekhizbenka); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Haris, 2016:33 (in list of species described by V. Balthasar from Carpathian Basin); Danilov and Mokrousov, 2017b:255 (in catalog of Philanthinae of Russia); Shorenko, 2017:81 (in Crimea collected in August); Dollfuss, 2018:1162 (Austria: Niederösterreich: Oberweiden; Hungary: 15 km south of Örkény at 47°04'N 19°28'E); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens); Akulov, Proshchalykin, and Mokrousov, 2020:46 (Russia: central Krasnoyarsk Kray); Danilov, Odintseva, and Odintsev, 2021:23 (Russia: Omsk Oblast'); Dollfuss, 2021c:621 (Hungary: several localities); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:270 (in revision of Sphecidae *sensu lato* of Europe).

Cerceris beaumonti Bajári, 1956a:83. Nomen nudum (in catalog of Hungarian *Cerceris*, with locality list).

Cerceris beaumonti Bajári, 1956b:208 (July), ♀, ♂ (as *Beaumonti*, incorrect original capitalization). Holotype: ♂, Hungary: Deliblát-Fehértelep (TMB). Synonymized with *Cerceris somotorensis* by de Beaumont, 1957d:332. – Bajári, 1957a:36, 44 (in key to Hungarian Sphecidae); Scobiola-Palade, 1971:207 (in review of *Cerceris* of Romania); Haris, 2016:33 (in list of species described by E. Bajári from Carpathian Basin).

As *Cerceris bucculata*: Kohl, 1893a:34 (Austria: Niederösterreich: Oberweiden), corrected to *Cerceris somotorensis* by de Beaumont, 1957d:332.

743. *songhai* Guichard

Cerceris songhai Guichard, 1993a:158, ♀, ♂. Holotype: ♀, Mali: Gao (BMNH). Paratypes: Saudi Arabia. – Gadallah and Assery, 2004a:235 (in catalog of Sphecidae of Saudi Arabia); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:358 (in new catalog of Sphecidae of Saudi Arabia); Gadallah, 2020b:65 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2020a:104 (Mali: 50 km north of Bamako, 10 km south and 40 km west of Mopti), 2021:621 (United Arab Emirates: west of Dhaid at 25°17'N 55°51'E, northwest of Munay at 24.994N 56.107E); Malash, Edmardash, and Gadallah, 2022:42 (in catalog of Middle Eastern and North African Philanthinae); Dollfuss, 2023a:410 (Oman); Gadallah and Abu El-Ghiet, 2024:90 (Saudi Arabia: Jazan Province: Abu Arish).

744. *sororcula* Brèthes

Cerceris sororcula Brèthes: Jörgensen, 1912:287, nomen nudum (Argentina: Mendoza Province, floral records).

Cerceris sororcula Brèthes, 1913:125, ♂. Holotype: ♂, Argentina: Mendoza: no specific locality (MACN). – Fritz, 1968b:170 (study of holotype); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Genise, 1990:26 (type material in MACN); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

745. *spathulifera* Brèthes

Cerceris spathulifera Brèthes, 1913:124, ♀. Lectotype: ♀, Argentina: La Pampa?: no specific locality (MACN), designated by Fritz, 1968b:170. – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Fritz and Mariluis, 1976: 96 (in key to *Cerceris spathulifera* species group), 97 (in revision of *Cerceris spathulifera* species group); Genise, 1990:26 (type material in MACN); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

746. *spatulata* Reyes

Cerceris spatulata Reyes, 1986:104, ♀. Holotype: ♀, Philippines: Island of Basilan: no specific locality (USNM). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:48 (in key to *Cerceris* of Philippines), 67 (bibliographic reference).

747. *specifica* R. Turner

Cerceris specifica R. Turner, 1912e:495, ♀, ♂. Holotype: ♀, Sri Lanka: Kandy (BMNH). – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Krombein, 1981:44 (in revision of Sri Lanka Philanthinae); Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:52 (in key to *Cerceris* of Philippines); Dollfuss, 2020b:122 (locality records from Laos, Malaysia, and Thailand).

Cerceris nagamasa Tsuneki, 1963c:32, ♂. Holotype: ♂, Thailand: Chantaburi (Sasayama Univ.). Synonymized with *Cerceris specifica* by Krombein, 1981:44. – R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae).

ssp. *alticola* Tsuneki

Cerceris specifica alticola Tsuneki, 1984b:56, ♂. Holotype: ♂, Philippines: Mindanao: Mount Apo (originally K. Tsuneki coll., now USNM). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:53 (in key to *Cerceris* of Philippines), 67 (bibliographic reference); Nuhn and Menke, 1994:26 (holotype not transferred to USNM, possibly returned to T. Tano, the collector); Menke, 1995:14 (type still in K. Tsuneki collection); Tano, 1995:46 (holotype in K. Tsuneki collection), 2020:26 (holotype in USNM).

ssp. *vicicola* Tsuneki

Cerceris specifica vicicola Tsuneki *in* Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:67, ♂. Holotype: ♂, Philippines: Mindanao: Bukidnon, Talakag (depository not stated originally, now USNM). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:53 (in key to *Cerceris* of Philippines); Nuhn and Menke, 1994:26 (holotype transferred to USNM).

748. *spectabilis* Radoszkowski

Cerceris spectabilis Radoszkowski, 1886a:36, ♀, ♂. Syntypes: Turkmenistan: no specific locality (Kraków). – Schletterer, 1887:377 (in revision of Palearctic *Cerceris*), 503 (in checklist of world *Cerceris*); Ed. André, 1889:298 (in revision of Sphecidae of Europe and Algeria), 22* (bibliographic references); Radoszkowski, 1892:591 (reference to Radoszkowski, 1886); Dalla Torre, 1897:477 (in catalog of world Hymenoptera); R. Turner, 1912e:795 (in revision of *Cerceris* of Indian subcontinent; Pakistan: Balochistan: Quetta); Kohl, 1916:124 (specimens in O. Radoszkowski collection, Kraków, additional description); Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); Shestakov, 1918a:152 (bibliographic reference), 1923:102 (in key to subgenus *Apiraptrix*), 114 (bibliographic reference, distribution); de Beaumont, 1970c:5 (Iran: Balochistan); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Kazenas, 1978b:52, 55 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:45 (possibly the valid name for *Cerceris meditata*); K. Schmidt, 2000:178 (in revision of Western Palearctic *Cerceris*);

Kazenas, 2001b:59 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2002a:153 (geographic distribution, collecting localities in Kazakhstan); Ljubomirov and Yildirim, 2008:153 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:141 (in checklist of Hymenoptera of Turkey); Dollfuss, 2018:1162 (Pakistan: Baluchestan: Turbat; Tukey: Urfa Halfeti); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:18 (Iran: known from Golestan and Sistan-o Baluchestan provinces); Dollfuss, 2021c:621 (Pakistan: Balochistan: Turbat; Syria: Raqqa: Rasafah; Tajikistan: Dzharteppa 6 km south of Dangara, 10 km south of Obigarm; Turkmenistan: Charjou); Kaplan and Yildirim, 2021:99 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:43 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

749. *spectrum* Arnold

Cerceris spectrum Arnold, 1936:1, ♀, ♂. Lectotype: ♀, Zimbabwe: Matetsi (SAM), designated by Empey, 1983:188. – Empey, 1969a:322 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Empey, 1983:188 (bibliographic reference, type examined); Dollfuss, 2020a:104 (Namibia: 15 km northwest, 20 km northeast, and 80 km south of Otjiwarongo. Rundu).

ssp. *multipictoides* Giordani Soika

Cerceris spectrum subsp. *multipictoides* Giordani Soika, 1942:208, ♀, ♂. Lectotype:♀, Kenya: Ikutha (originally Giordani Soika coll., now Univ. Torino), designated by Empey, 1983:189. – Empey, 1969a:322 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Empey, 1983:189 (bibliographic reference, type examined).

750. *specularis* A. Costa

Cerceris specularis A. Costa, 1867c:85, ♀, ♂. Lectotype: ♀, Italy: Calabria: Brancaleone (Napoli), designated by de Beaumont, 1950c:326. – A. Costa, 1872a:17 (Italy: in revision of Sphecidae of Kingdom of Naples), 1883:57 (Italy: Sardegna: Aggius and Tempio); Schletterer, 1887:431 (in revision of Palearctic *Cerceris*), 503 (in checklist of world *Cerceris*); Ed. André, 1889:297 (in revision of Sphecidae of Europe and Algeria); Gasperini, 1889:69 (Dalmatia: Spalato, now Croatia: Split); Schletterer, 1889a:901 (Spain: Madrid area); Ed. André, 1891:29* (bibliographic references); F. Morawitz, 1891a:217 (Russia: Astrakhan' Governorate); Baldini, 1894:60 (Italy: Modena area); Medina, 1894b:263 (Spain: Sevilla); Schletterer, 1894:33 (Istria Peninsula, now part of Croatia, Slovenia, and Italy); De Stefani Perez, 1895:227 (in catalog of Sicilian Hymenoptera); Dalla Torre, 1897:477 (in catalog of world Hymenoptera); Ferton, 1901a:109 (list of prey); Antiga and Bofill, 1904:21 (Spain: Cataluña Province); Mantero, 1905:69 (Italy: Toscana: Isola del Giglio); W. Schulz, 1906:45 (Greece: Crete); de Gaulle, 1908:104 (in catalog of French Hymenoptera); Zavattari, 1912:3 (Italy: Sardegna: Pantaleo); Mercet, 1914:445 (recorded from Spain); Kohl, 1916:125 (specimens in O. Radoszkowski collection, Kraków); Shestakov, 1916a:234 (Caucasus), 1917c:49 (Ukraine: Crimea), 1918a:154 (Transcaspia); Berland, 1925d:61 (in Sphecid Fauna of France); Shestakov, 1927a:17 (Russia: Orenburg Oblast'); Vorontsovskiy, 1928:44 (Russia: vicinity of Orenburg); Nadig, 1934:33 (Italy: Sardegna: Iglesias); Guiglia, 1938b:8 (Italy: Sardegna); Móczár, 1938:64 (Hungary); Giner Marí, 1941a:34 (in revision of Spanish *Cerceris*), 1943a:97 (in Sphecid Fauna of Spain); Guiglia, 1944b:15 (Italy); Giner Marí, 1945a:248 (Cyprus, Greece: Island of Rhodes); Guiglia, 1948c:200 (Italy: Sardegna: Macomer); Pittioni, 1950:22 (Cyprus); de Beaumont, 1952a:72 (in revision of *Cerceris* of France); Grandi, 1954:237 (Italy); Vogrin, 1955:33 (Yugoslavia); Ceballos, 1956:371 (in catalog of Hymenoptera of Spain); Morel, Nouvel, and Ribaut, 1956:337 (France: Département des Pyrénées-Orientales); de Beaumont, 1958d:273 (Greece); Nouvel and Ribaut, 1958:10 (France: Pyrénées-Orientales: Banyuls-sur-Mer area); Pulawski, 1958a:167 (Bulgaria: Aitos, Kniazhevo near Sofia, Sozopol); de Beaumont, 1959a:16 (Italy); nec de Beaumont and Bytinski-Salz, 1959:124 (= *Cerceris specularis fergusoni*); de Beaumont, 1961c:46 (Greece: Island of Crete), 1965a:21 (Greece); Tsuneki, 1965d:3 (review of nesting habits); Diniz, 1966:7 (Portugal: Aljustrel,

Monte Gordo); Balthasar, Hrubant, and Hrubant, 1967:174 (Bulgaria: Slanchev Bryag near Nessebar); de Beaumont, 1967a:288 (Turkey), 1969:82 (Turkey); Zangheri, 1969:1701 (Italy: in catalog of flora and fauna of Romagna Region); Balthasar, 1972:403 (in Sphecid Fauna of Czechoslovakia: not yet found in the country); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Georghiou, 1977:190 (Cyprus); Kazenas, 1978b:70 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1978:197, 198 (in key to Sphecidae of European part of USSR); Pagliano, 1980:126 (Italy: Piemonte); Gayubo, 1982b:60 (Spain: Ávila and Salamanca provinces), 1982e:111 (Spain: Cádiz Province), 1983e:239 (Spain: Salamanca Province); Islamov and Kazenas, 1983:45 (Uzbekistan); Schmidt and Westrich, 1983:125 (Greece); Gayubo and Tormos, 1984:27 (Spain: Valencia); Kazenas, 1984a:191 (in revision of *Cerceris* of Kazakhstan and Central Asia); Chevin and Chevin, 1985:39 (France: Aude); Gayubo, 1986a:68 (Spain: Ciudad Real Province); Gayubo and Sanza, 1986:90 (Spain: Burgos); Islamov, 1986:520 (Uzbekistan: Tashkent Oblast': Khumsan); Pagliano, 1987:162 and 166 (in key to *Cerceris* of Italy), 1988:169 (in revision of Italian Philanthinae); Gayubo, Asís, and Tormos, 1990b:81 (Spain: Cáceres Province); Pagliano, 1990:100 (in catalog of Italian Sphecidae); Dollfuss, 1991:223 (in key to Sphecidae of North and Central Europe); Gayubo, Borsato, and Osella, 1991:423 (Italy), 1992:293 (Greece: Island of Euboea); Torregrosa, Gayubo, Tormos, and Asís, 1993:21 (Spain: Alicante Province); Tormos, Asís, and Gayubo, 1994:190, 227 (Spain: Albacete Province); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:366 (in Sphecid Fauna of Western Europe); Nazarova and Shomirsaidov, 1997:25 (Tajikistan: fruit tree orchards in Vakhsh River valley); Gonzáles, Gayubo, and Torres, 1999:356 (Spain: Valladolid: Viana de Cega); Pagliano and Scaramozzino, 1999:161 (Italy: Piemonte: Borgomale); Esenbekova and Kazenas, 2000:79 (southeastern Kazakhstan: Borandysu); K. Schmidt, 2000:184 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:59 (in checklist of Sphecidae of Kazakhstan and Central Asia), 254 (prey reported by Ferton, 1901), 2001d:122 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:153 (geographic distribution, collecting localities in Kazakhstan); Shkuratov, 2002b:139 (Russia: Rostov Oblast': Rostovskiy Nature Reserve at 46°27'N 42°41'E); Generani, Pagliano, Scaramozzino, and Strumia, 2003:65 (Italy: Arcipelago Toscano); Jacobi, 2003:19 (detailed observations on nesting habits in Corsica, France); Schmid-Egger, 2003:751 (Italy: Sicilia: Randazzo); Kazenas, 2004b:113 (Kazakhstan: western Tien Shan); Shkuratov, 2004a:74 (Russia: Rostov Oblast'); Cruz-Sánchez, Gayubo, González, and Torres, 2005:221 (Spain: Salamanca: San Martín del Castañar); Jacobs, 2005a:442 (Bulgaria: Arkutino near Burgas, Primorsko); Pagliano and Negrisolo, 2005:344 (in Sphecid Fauna of Italy); Standfuss and Standfuss, 2006b:100 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Roche, 2007a:135 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae, as *specularis specularis*), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae, as *specularis specularis*); Gayubo, González, Tormos, and Asís, 2008:140 (Spain: Salamanca: Parque Natural de Las Batuecas – Sierra de Francia); Ljubomirov and Yildirim, 2008:154 (in catalog of Crabronidae of Turkey); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); Gayubo, González, Tormos, and Asís, 2009:365 (Spain: Valladolid: Reserva Natural Riberas de Castronuño – Vega del Duero); González, Gayubo, Asís, and Tormos, 2009:625 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park); Józan, 2009:167 (Croatia: Polača); Shorenko, 2009:369 (in list of Sphecidae *sensu lato* of Crimea); Bitsch, 2010:118 (in supplement to vol. II of Faune de France, 1997: observations on nesting habits by Jacobi, 2003, reported); Rudoiskatel', 2010:150 (Russia: southern Ural Mountains); Shorenko and Konovalov, 2010:30 (Ukraine: Crimea: village Shchebetovka near Feodosiya; Khar'kov Oblast': village Skripai; Lugansk Oblast': village Trekhizbenka); Tüzün and Yüksel, 2010:4475 (Turkey: Niğde Province); Murai and Amr, 2011:114, 118 (first record from Syria: Al Thawrah Nature Reserve at 35°51'N 28°38'E); Yildirim, 2012:79 (Turkey: Erzurum, Iğdır, and Kars provinces, as *specularis specularis*); Kazenas, 2013b:500 (southeastern Kazakhstan: Borandysu 30 km east of Chilik), 2014a:139 (Kazakhstan: Karatau Mountain Range); Protsenko, Fateryga, and Ivanov, 2014:38

(Crimea: several localities); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces, as *specularis specularis*); Atbaei, Fallahzadeh, and Ljubomirov, 2015:8 (Iran: Fars Province, as *specularis specularis*); Koçak and Kemal, 2015:141 (in checklist of Hymenoptera of Turkey); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:26 (Turkey: Artvin, Erzincan, Erzurum, and Tunceli provinces, as *specularis specularis*); Arens, 2017a:645 (Greece: Peloponnesus); Danilov and Mokrousov, 2017b:255 (in catalog of Philanthinae of Russia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:80 (Iran: known from Fars Province); Shorenko, 2017:81 (in Crimea collected in June and July); Dollfuss, 2018:1162 (locality records from Bulgaria, Croatia, France, Greece, Italy, Iran, Jordan, Kazakhstan, Kyrgyzstan, Spain, Syria, Tajikistan, Turkey, Turkmenistan, Ukraine, and Uzbekistan); Shorenko, 2018:131 (Crimea, including localities, habitats, and number of specimens); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:10 (Azerbaijan: Nakhichevan Autonomous Republic); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:18 (Iran: known from East Azerbaijan, Fars, Golestan, and Lorestan provinces, as *specularis specularis*); Cross, Baldock, and Wood, 2021:66 (in catalog of Sphecidae *sensu lato* of Portugal); Dollfuss, 2021a:959 (locality records from Bulgaria, Croatia, France: Corse, Greece, Italy, Tajikistan, Turkey, and Ukraine), 2021c:621 (locality records from Bulgaria, France, Greece, Israel, Kazakhstan, Syria, Tajikistan, Turkey, Turkmenistan, and Uzbekistan); Kaplan and Yildirim, 2021:100 (in catalog of Crabronidae of Turkey, as *specularis specularis*); Malash, Edmardash, and Gadallah, 2022:44 (in catalog of Middle Eastern and North African Philanthinae); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:271 (in revision of Sphecidae *sensu lato* of Europe); Can, 2022:222 (incomplete 1r-m crossvein); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey, as *specularis specularis*); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

Cerceris specularis A. Costa, 1869b:101, ♀, ♂. Objective synonym of *Cerceris specularis* A. Costa, 1867c:85.

Cerceris specularis var. *punctosa* Schletterer, 1887:432, sex not stated. Holotype or syntypes: Italy or Greece: no specific localities (NHMW). Synonymized with *Cerceris specularis* by Empey, 1972:67. – Dalla Torre, 1897:477 (in catalog of world Hymenoptera, as *punctuosa*); R. Bohart and Menke, 1976:587 (, in checklist of world Sphecidae, as synonym of *Cerceris specularis*, misspelled *punctuosa*). – **As *Cerceris specularis punctosa***: Bohart and Mene, 1976:587 (new status, in checklist of world Sphecidae); Kazenas, 2001d:121 (in key to *Cerceris* of Kazakhstan and Central Asia).

Cerceris octonotata Radoszkowski, 1877:56, ♀ (as *octonotata*, incorrect original hyphenation). Holotype or syntypes: Uzbekistan: Zeravshan valley (ZMMU). Synonymized with *Cerceris specularis* by Shestakov, 1918a:147. – Schletterer, 1887:476 (original description copied), 498 (in checklist of world *Cerceris*); Ed. André, 1889:319 (in revision of Sphecidae of Europe and Algeria), 1891:30* (bibliographic references); Dalla Torre, 1897:469 (in catalog of world Hymenoptera).

ssp. *fergusoni* de Beaumont

As *Cerceris specularis*: de Beaumont and Bytinski-Salz, 1959:124 (Israel), present correction based on geographic distribution.

Cerceris specularis fergusoni de Beaumont, 1958d:286, ♀, ♂. Holotype: ♀, Cyprus: Limassol (originally J. de Beaumont coll., now Lausanne). – K. Schmidt, 2000:186 (in revision of Western Palearctic *Cerceris*); Yildirim and Ljubomirov, 2005:1806 (Turkey: Diyarbakır, Erzincan, and Erzurum provinces); Ljubomirov and Yildirim, 2008:154 (in catalog of Crabronidae of Turkey); Yildirim, 2012:79 (Turkey: Erzurum: Oltu: Sarısaz); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces); Dollfuss, 2021c: 622 (locality records from Cyprus, Israel, Jordan, Syria, and Turkey); Kaplan and Yildirim, 2021:100 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:46 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

751. *spilota* Evans

Cerceris spilota Evans, 1982a:374, ♀, ♂. Holotype: ♀, Australia: New South Wales: Clifton Downs (ANIC). – Cardale, 1985:302 (in catalog of Australian Sphecidae).

752. *spinaea* de Beaumont

Cerceris spinipleuris de Beaumont *in* de Beaumont and Bytinski-Salz, 1959:111, ♀, ♂, junior primary homonym of *Cerceris spinipleuris* R. Turner, 1918. Holotype: ♀, Israel: Gvulot (originally J. de Beaumont coll., now Lausanne).

Cerceris spinaea de Beaumont, 1970b:38. Substitute name for *Cerceris spinipleuris* de Beaumont, 1959. – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); K. Schmidt, 2000:180 (in revision of Western Palearctic *Cerceris*); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:141 (in checklist of Hymenoptera of Turkey); Dollfuss, 2021a:959 (Oman: Dhofar: 12 km north of Mirbat: Jebel Samhan at 17.111°N 54.711°E), 2021c:622 (Israel: 5.8 km southeast of Bet Gufrin at 31°34'10"N 34°53'06"E, misspelled *spinea*); Kaplan and Yildirim, 2021:100 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:47 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

753. *spinicaudata* Cameron

Cerceris spinicaudata Cameron, 1905m:216, ♀. Lectotype: ♀, South Africa: Eastern Cape Province: Pearston (TMP), designated by Empey, 1983:189 (Article 74.6). – Brauns, 1917:239 (discussion of type), 1926:336 (in revision of Afrotropical *Cerceris*); Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:143, 148 (in key to Afrotropical *Cerceris*); Scott *in* Arnold, 1933a:369 (Ethiopia: Harar District); Arnold, 1935a:499 (South Africa: Kalahari), 1942:5 (bibliographic reference), 1951:113 (Ethiopia, Ghana, Senegal); Leclercq, 1955i:411 (Burundi); Empey, 1969a:322 (in checklist of Afrotropical *Cerceris*), 1970:185 (Zaire: Garamba and Upemba National Parks), 1974:116 (taxonomic history); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Gess, 1980a:86 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown), 88 (prey: small halictid bees), 1981:21 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown; nesting in sandy soils; as *Cerceris spinicaudata spinicaudata*); Empey, 1983:189 (bibliographic reference, type examined, as *Cerceris spinicaudata spinicaudata*); S. Gess and F. Gess, 2003:135 (South Africa: visiting flowers of *Foeniculum vulgare* Mill., Apiaceae, *Maytenus linearis* (L. f.) Marais, Celastraceae, and *Acacia karroo* Hayne, Fabaceae, as *Cerceris spinicaudata spinicaudata*); Dollfuss, 2020a:105 (Cameroon: near Kribi).

Cerceris rufifrons Arnold, 1932:10, ♂. Holotype: ♂, Zaire: Ubangi District: Duma (Zool. Mus. Hamburg, destroyed by bombing during World War II). Synonymized with *Cerceris spinicaudata* by Empey, 1983:189. – Empey, 1969a:321 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae).

ssp. *maliensis* Empey

Cerceris spinicaudata maliensis Empey, 1974:116, ♀, ♂. Holotype: ♀, Mali: Ségou (ORSTOM, now MNHN?). – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae); Empey, 1983:189 (bibliographic reference, type examined).

754. *spinifera* Kazenas

Cerceris spinifera Kazenas, 1974a:99, ♀ (as *spiniferus*, incorrect original termination). Holotype: ♀, Kazakhstan: 17 km northwest of Bakanas in Ili River valley (V.L. Kazenas coll. ?). – **As *Cerceris spinifera***: R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae); Kazenas, 1978b:52 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:42 (in revision of *Cerceris* of Kazakhstan and Central Asia); Esenbekova and Kazenas, 2000:79 (southeastern Kazakhstan: no specific locality); K. Schmidt, 2000:180 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:59 (in checklist of Sphecidae of Kazakhstan and Central

Asia), 2001d:106, 109 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:153 (geographic distribution, collecting localities in Kazakhstan), 2008a:107 (southeastern Kazakhstan: 20 km north of Aydarly, 17 km northwest of Bakanas); Mokrousov and Gromenko, 2015:126 (Uzbekistan: Sundukli Desert at 38°57′45″N, 64°32′26″E); Dollfuss, 2021c:622 (Tajikistan: Vakhsh); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

ssp. *haladai* K. Schmidt

Cerceris spinifera haladai K. Schmidt, 2000:181, ♀, ♂. Holotype: ♀, Turkey: Siirt Province: 15 km south of Siirt (coll. M. Halada, Chlum, Czech Republic). – Ljubomirov and Yildirim, 2008:155 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces), 19 (is an endemic of Turkey); Rezaei, Fallahzadeh, Dousti, and Saghaei, 2020a:198 (first record from Iran: Fars: Zafar Abad); Dollfuss, 2021c:622 (Turkey: Siirt Province: 15 km south of Siirt); Kaplan and Yildirim, 2021:100 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:48 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

755. *spiniger* Rohwer

Cerceris spiniger Rohwer *in* F. Williams, 1919:148, ♀. Holotype: ♀, Philippines: Luzon: Mount Makiling (USNM). – F. Williams, 1919d:148 (Philippines: Luzon: Los Baños: nesting habits); Tsuneki, 1965d:3, 4 (prey record summary: Anthribidae, Chrysomelidae, Curculionidae); Baltazar, 1966:351 (in catalog of Hymenoptera of Philippines); Tsuneki, 1968f:21 (as synonym of *Cerceris luzonensis*); Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:47 (in key to *Cerceris* of Philippines), 60 (resurrected species status, redescription).

756. *spinipectus* F. Smith

Cerceris spinipectus F. Smith, 1856:443, ♀, ♂. Syntypes: Turkey: Trabzon: Trebizond, now Trabzon (BMNH). – Schletterer, 1887:479 (original description copied), 503 (in checklist of world *Cerceris*); Ed. André, 1889:323 (in revision of Sphecidae of Europe and Algeria), 1891:30* (bibliographic references); Dalla Torre, 1897:477 (in catalog of world Hymenoptera); Bingham, 1898a:109 (Yemen: Aden); Morice, 1921:822 (Iraq: Amara); de Beaumont, 1951b:177 (synonymy), 1957d:336 (in Europe in Greece only); de Beaumont and Bytinski-Salz, 1959:126 (Israel); de Beaumont, 1962c:222 (Arabia: El Riyad), 1965a:22 (Greece); Derwesh, 1965:70 (Iraq: no specific locality); de Beaumont, 1967a:290 (Turkey); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Kazenas, 1978b:70, 72 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:217 (in revision of *Cerceris* of Kazakhstan and Central Asia); Guichard, 1991a:339 (Jordan), 1993a:160 (Arabian Peninsula); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:367 (in Sphecid Fauna of Western Europe); Esenbekova and Kazenas, 2000:79 (southeastern Kazakhstan: Borandysu, 10 km northwest of Chundzha, 5 km southwest of village Kazakhstan); K. Schmidt, 2000:101 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001b:59 (in checklist of Sphecidae of Kazakhstan and Central Asia), 254 (prey reported by Gussakovskij, 1952: tenebrionid *Gnathosia karelini* Men.), 2002a:153 (geographic distribution, collecting localities in Kazakhstan); Drewes, 2003:135 (Croatia: Moščenicka Draga); Gadallah and Assery, 2004a:218 (in key to Sphecidae of Jeddah Region, Saudi Arabia), 235 (in catalog of Sphecidae of Saudi Arabia); Kazenas, 2004b:113 (Kazakhstan: western Tien Shan); Ljubomirov and Yildirim, 2008:155 (in catalog of Crabronidae of Turkey); Sakenin, Samin, and Bagriacik, 2010:17 (Iran: Golestan: Bandar-Torkman; Kermanshah: Gilan-Gharb); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:358 (in new catalog of Sphecidae of Saudi Arabia); Kazenas, 2013b:500 (southeastern Kazakhstan: Borandysu 30 km east of Chilik, 10 km northwest of Chundzha on Sharyn River, Kurtogay on Sharyn River); Dunford, Turbyville, and Leavengood, 2014:9 (listed as medically important in Afghanistan); Kazenas, 2014a:139 (Kazakhstan: Karatau Mountain Range); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces, as *spinipectus spinipectus*); Koçak and

Kemal, 2015:141 (in checklist of Hymenoptera of Turkey); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:26 (Turkey: Kars: Sarıkamiş: Karakurt, as *spinipectus spinipectus*); Arens, 2017a:645 (Greece: Peloponnesus); Augul, 2017:200 (recorded from Iraq by Morice, 1921); Danilov and Mokrousov, 2017b:255 (in catalog of Philanthinae of Russia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:80 (Iran: known from Fars, Guilan, Golestan, Kermanshah, and Khorasan provinces); Dollfuss, 2018:1165 (locality records from Greece, Kazakhstan, Kyrgyzstan, Syria, Turkey, and Uzbekistan); Gadallah, 2020b:65 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021c:622 (locality records from Greece, Israel, Jordan, and Turkey); Kaplan and Yildirim, 2021:100 (in catalog of Crabronidae of Turkey, as *spinipectus spinipectus*); Malash, Edmardash, and Gadallah, 2022:48 (in catalog of Middle Eastern and North African Philanthinae); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:273 (in revision of Sphecidae *sensu lato* of Europe); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey, as *spinipectus spinipectus*); Gadallah and Abu El-Ghiet, 2024:90 (Saudi Arabia: Jazan Province: Fayfa); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

Cerceris prisca Schletterer, 1887:411, ♀, ♂. Syntypes: Hungary; Russia: Caspian Sea area, Greece: Athens, Island of Corfu; Turkey: Brussa, Syra (NHMW). Synonymized with *Cerceris spinipectus* by Morice, 1921:822, synonymy confirmed by de Beaumont, 1951b:177. – Schletterer, 1887:499 (in checklist of world *Cerceris*); Ed. André, 1889:308, 309 (in revision of Sphecidae of Europe and Algeria); Schletterer, 1889a:901 (Turkmenistan), 903 (Savigny, 1817, pl. X, Fig. 12 attributed to *prisca*, clearly an error), 1889a:900 (male midbasitarsus curved), 901 (Dalmatia, now in Croatia); Ed. André, 1891:25* (bibliographic references); Dalla Torre, 1897:470 (in catalog of world Hymenoptera); W. Schulz, 1906:45 (Greece: Crete); Rudow, 1912:67 (preying on scarabaeid beetle *Hoplia*); Maidl, 1913:560 (diagnostic characters), Kohl, 1916:120 (specimens in O. Radoszkowski collection, Kraków); Shestakov, 1918a:147 (bibliographic reference); Coulon, 1925:117 (Greece: Attica); von Schulthess, 1926b:211 (Libya); Kruger, 1929a:21 and 1929b:56 (Libya: Cyrenaica: Bardia); Guiglia, 1934b:297 (Libya: bibliography and summary of locality records); Giner Marí, 1941b:236 (in revision of North African *Cerceris*), 1945a:248 (Cyprus); de Beaumont, 1947b:385 (Cyprus); Pittioni, 1950:22 (Cyprus); de Beaumont, 1958d:273 (Greece, as *Cerceris spinipectus prisca*), 287 (Cyprus, as *Cerceris spinipectus prisca*), 1960a:8 (Greece: Island of Rhodes, as *Cerceris spinipectus prisca*); Georghiou, 1977:189 (Cyprus); Dollfuss, 1989:8 (type material in NHMW); Haris, 2016:22 (in list of species described by A. Schletterer from Carpathian Basin).

Cerceris pallida Arnold, 1935:5 and 9, ♀. Holotype: ♀, Mauritania: Nema (SAM). Synonymized with *Cerceris spinipectus* by Guichard, 1993a:160. – Empey, 1969a:318 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Empey, 1983:182 (bibliographic reference, type examined).

Cerceris pallida var. *lutulenta* Arnold, 1951:102, ♀. Holotype: ♀, Mauritania: Boghé (BMNH). Synonymized with *Cerceris pallida* by Empey, 1969a:318.

ssp. *accola* Kohl

Cerceris accola Kohl, 1916:115, ♀, ♂. Syntypes: Turkmenistan: no specific locality (Kraków). – Gussakovskij, 1935:445 (Tajikistan: Kulab area; prey: *Gnathosia karelini* Mén., a tenebrionid), 1952:285 (southern Tajikistan; prey: the tenebrionid *Gnaphosia karelini* Mén.). – **As *Cerceris spinipectus accola***: de Beaumont, 1961b:273 (new status, Afghanistan); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae, as tentative subspecies of *Cerceris spinipectus*); K. Schmidt, 2000:102 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001d:123, 124 (in key to *Cerceris* of Kazakhstan and Central Asia); Ebrahimi, 2014:47 (Iran: Khorāsān); Atbaei, Fallahzadeh, and Ljubomirov, 2015:8 (Iran: Fars Province); Dollfuss, 2018:1165 (locality records from Kyrgyzstan, Tajikistan, and Turkmenistan); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:18 (Iran: known from Fars, Golestan, Guilan, Kermanshah, and Khorasan

provinces); Dollfuss, 2021c:623 (locality records from Iran, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan); Malash, Edmardash, and Gadallah, 2022:49 (in catalog of Middle Eastern and North African Philanthinae).

ssp. *peloponesia* de Beaumont

Cerceris spinipectus peloponesia de Beaumont, 1963a:300, ♀, ♂. Holotype: ♀, Greece: Peloponesus: Pyrgos (Lausanne). – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); K. Schmidt, 2000:102 (in revision of Western Palearctic *Cerceris*); Dollfuss, 2018:1165 (Greece: Peloponesus: Marathopoli 20 km north of Pilos and P. Astros 40 km south of Argos), 2021c:623 (Greece: Peloponnese: three localities).

ssp. spinolica Schletterer

Cerceris flaviventris Spinola, 1839:495, ♂, junior primary homonym of *Cerceris flaviventris* Vander Linden, 1829. Holotype or syntypes: ♂, Egypt: no specific locality (Torino). – Spinola, 1843b:XXXVI (represented in Berlin Museum under the name *Cerceris vitellina*). – W. Schulz, 1911b:169 (type not found in M. Spinola collection in Torino); de Beaumont, 1951b:176 (study of syntypes); Pagliano, 2014:107 (specimens in M. Spinola collection, Torino, are *Cerceris spinipectus spinolica*); Dollfuss, 2021c:623 (locality records from Algeria, Armenia, Egypt, Israel, Iran, Morocco, Syria, and Yemen); Kaplan and Yildirim, 2021:100 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:49 (in catalog of Middle Eastern and North African Philanthinae).

Cerceris vitellina Spinola, 1843b:XXXI, sex not stated, origin unknown, specimen(s) in Berlin Museum, as junior synonym of *Cerceris flaviventris* Spinola. Not available: first proposed as a junior synonym (Article 11.6).

Cerceris spinolica Schletterer, 1887:480. Substitute name for *Cerceris flaviventris* Spinola, 1839. – Schletterer, 1887:480 (Spinola's original description copied), 503 (in checklist of world *Cerceris*); Ed. André, 1889:318 (in revision of Sphecidae of Europe and Algeria), 1891:30* (bibliographic references); Dalla Torre, 1897:477 (in catalog of world Hymenoptera); Giner Marí, 1941b:285 (original description of *flaviventris* Spinola copied, status uncertain). – **As *Cerceris spinipectus spinolica***: de Beaumont, 1951b:176, 179 (new status), 1951f:387 (Egypt, Libya; geographic variation); de Beaumont and Bytinski-Salz, 1959:127 (Israel: Negev); de Beaumont, 1960b:233 (Libya); Pulawski, 1964:74 (Egypt: Abu Rawash, Ghiza, Maadi, Kom Osheim); Empey, 1973:22 (Saudi Arabia); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); K. Schmidt, 2000:103 (in revision of Western Palearctic *Cerceris*); Gadallah and Assery, 2004a:235 (in catalog of Sphecidae of Saudi Arabia); Roche, 2007a:136 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Ljubomirov and Yildirim, 2008:156 (in catalog of Crabronidae of Turkey); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:358 (in new catalog of Sphecidae of Saudi Arabia); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces); Dollfuss, 2018:1165 (locality records from Egypt, Morocco, and Tunisia); Ben Khedher, Yildirime, and Braham, 2020c:543 (Tunisia: recorded from Kebili Province by Dollfuss, 2018:1166); Gadallah, 2020b:65 (in list of aculeate wasps of Arabian Peninsula); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

As *Cerceris capito*: Mochi, 1938:150 (in revision of Egyptian *Cerceris*) and Honoré137, 1941a:149 (Egypt), corrected to *Cerceris spinipectus spinolica* by de Beaumont, 1951b:179; also Storey, 1916:108 (Egypt: common everywhere), corrected to *Cerceris spinipectus spinolica* by Roche, 2007a:137.

ssp. *teterrima* Gribodo

Cerceris teterrima Gribodo, 1894b:22, ♀. Lectotype: ♀, Tunisia: Tunis (Genova), designated by de Beaumont, 1950e:266. – Zavattari, 1913a:4 (omitted from Dalla Torre's catalog, 1897); de Beaumont, 1950f:397 (Algeria: Tadjerouna), 1951f:386 (southern Algeria, southern Tunesia; recognition characters), 1956a:187 (Libya); Penati and Mariotti, 2015:12 (reference to unpublished manuscript by Gribodo), 121 (in list of Hymenoptera described by G. Gribodo). – **As *Cerceris spinipectus teterrima***: de Beaumont, 1960b:234 (new status, Libya); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); K. Schmidt,

2000:103 (in revision of Western Palearctic *Cerceris*); Ben Khedher, Yildirim, Braham, and Chaaban, 2019:193 (known from Tunisia: Tozeur Province); Ben Khedher, Yildirime, and Braham, 2020c:543 (Tunisia: summary of previous records, new locality records from Mahdia and Tataouine provinces); Dollfuss, 2021c:623 (Libya: Sabrata; Tunisia: Kebili); Malash, Edmardash, and Gadallah, 2022:49 (in catalog of Middle Eastern and North African Philanthinae).

Cerceris hartliebi Schulz, 1905b:55, ♀ (as *Hartliebi*, incorrect original capitalization). Holotype: ♀, Tunisia: Sfax (depository?). Synonymized with *Cerceris teterrima* by de Beaumont, 1950e:266. – Morice, 1911:87 (Algeria: Biskra); von Schulthess, 1926b:211 (Tunisia); Giner Marí, 1941b:241 (in revision of North African *Cerceris*).

As *Cerceris onophora*: Schulz, 1905b:57, ♂, corrected to *Cerceris teterrima* by de Beaumont, 1951f:386.

757. *spinipleuris* R. Turner

Cerceris varipes F. Smith, 1873c:413, ♀, junior primary homonym of *Cerceris varipes* F. Smith, 1856. Holotype or syntypes: ♀, Australia: South Australia: Adelaide (BMNH). – Schletterer, 1887:505 (in checklist of world *Cerceris*); Froggatt, 1892:222 (in catalog of Australian Hymenoptera); Dalla Torre, 1897:489 (in catalog of world Hymenoptera, under *varipes* F. Smith, 1856); R. Turner, 1910b:421 (in key to *Cerceris* of Australia), 1912d:668 (in revision of Australian *Cerceris*).

Cerceris spinipleuris R. Turner, 1918:356. Substitute name for *Cerceris varipes* F. Smith, 1873. – Tsuneki, 1968e:2 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Evans, 1982a:314 (in revision of Eastern Australian *Cerceris*); Cardale, 1985:302 (in catalog of Australian Sphecidae).

758. *spirans* de Saussure

Cerceris spirans de Saussure, 1892:553, ♀, ♂. Lectotype: ♀, Madagascar: Bezanozano Province: Anosibé (MHNG), designated by Empey, 1983:189. – Dalla Torre, 1897:477 (in catalog of world Hymenoptera); Arnold, 1945:19 (bibliographic reference); Empey, 1969a:323 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Empey, 1983:189 (bibliographic reference, type examined); Pulawski, 2003b:799 (in checklist of Malagasy Sphecidae); Madl, 2014a:1004 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records).

759. *splendidissima* Giordani Soika

Cerceris splendidissima Giordani Soika, 1942:198, ♀. Holotype: ♀, Tanzania: Bukoba in Usumbura Mountains (originally A. Giordani Soika coll., now Univ. Torino). – Empey, 1969a:323 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Empey, 1983:189 (bibliographic reference, type examined).

760. *squamulifera* Mickel

Cerceris squamulifera Mickel, 1916a:411, ♀. Holotype: ♀, USA: Nebraska: Imperial (UNL). – Mickel, 1918b:451 (in catalog of Nebraskan Sphecidae); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010 (in catalog of North American Hymenoptera); Muma, 1952:17 (holotype in UNL); Scullen, 1965b:433 (in revision of North American *Cerceris*), 1968a:154 (description of ♂); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Krombein, 1979b:1737 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:495 (in annotated list of North American and Caribbean *Cerceris*, diagnostic characters); Ahlstrom, 1995:114 (in checklist of insects of North Carolina).

761. *stefanii* Ed. André

Cerceris stefanii Ed. André, 1889:225, ♀ (as *Stefanii*, incorrect original capitalization). Holotype or syntypes: ♀, Italy: Sicilia: no specific locality (depository?). – De Stefani Perez, 1895:227 (in catalog of Sicilian Hymenoptera); Dalla Torre, 1897:477 (in catalog of world Hymenoptera); de Beaumont, 1957d:328 (unrecognizable species of the *rybyensis* group); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae);

Pagliano, 1988:172 (unrecognizable species), 1990:100 (in catalog of Italian Sphecidae, as nomen dubium); Pagliano and Negrisolo, 2005:489 (in Sphecid Fauna of Italy, as nomen dubium).

762. *stella* Shestakov

Cerceris stella Shestakov, 1914a:93, ♀. Holotype: ♀, Russia Siberia: Minussinsk (ZIN). – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Nemkov, 2008b:26 (in catalog of Crabronidae of Asiatic Russia), 2009a:66 (is an endemic of Krasnoyarskiy Kray, Russia), 2009b:153 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia).

763. *sternodonta* Gussakovskij

Cerceris sternodonta Gussakovskij, 1938:10, ♀, ♂. Syntypes: China: Kiangsu Province: no specific locality (NRS). – R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Wu and Zhou, 1996a:169 (in revision in Economic Insect Fauna of China); Q. Li and He, 2004:1114 (in hymenopterous fauna of Zhejiang Province, China, as *sternodonta sternodonta*); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

? *Cerceris fervida* F. Smith, 1856:455, ♀. Holotype or syntypes: ♀, North China: no specific locality (BMNH). Tentatively synonymized with *Cerceris sternodonta* by R. Bohart and Menke, 1976:587. – Schletterer, 1887:469 (original description copied), 491 (in checklist of world *Cerceris*); Dalla Torre, 1897:460 (in catalog of world Hymenoptera); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

ssp. *fukiensis* Giner Marí

Cerceris fukiensis Giner Marí, 1942b:140, ♀, ♂. Syntypes: eastern China: Shaowu and Kwangtseh (Mus. A. Koenig, Bonn). – Lampe, Rohwedder, Ingrisch, and Rach, 2010:118 (type material in Mus. A. Koenig, Bonn). – **As *Cerceris sternodonta fukiensis***: Tsuneki, 1968f:9 (new status, China, diagnostic characters); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

764. *stoeckleini* Giner Marí

Cerceris stoeckleini Giner Marí, 1942b:123, ♂, ♀ (as *stöckleini*, incorrect original diacritic mark). Syntypes: China: Shaowu, Kwantseh (Mus. A. Koenig, Bonn). – R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Lampe, Rohwedder, Ingrisch, and Rach, 2010:126 (type material in Mus. A. Koenig, Bonn).

765. *storeyi* Evans

Cerceris storeyi Evans, 1988:3, ♀, ♂. Holotype: ♀, Australia: Queensland: 15 km SW Mareeba (ANIC). – Evans, 1988:7 (nesting habits; prey: Curculionidae); Naumann, 1993:186 (Australia: Queensland: Heathlands area in Cape York).

766. *storozhenkoi* Mokrousov and Proshchalykin

Cerceris storozhenkoi Mokrousov and Proshshalykin, 2025b:282, ♀, ♂. Holotype: ♀, Russia: Far East: Kunashir Island: Ivanovskiy Cape (ZIN).

As *Cerceris hortivaga* (corrected to *Cerceris storozhenkoi* by Mokrousov and Proshscalykin, 2025b:282): Radoszkowski 1890:231 (Korea: Seul); Sickmann 1894:204 (China: Hopei Province: Tientsin); Tsuneki, 1961c:9, 15, 24, 25 (in key to *Cerceris* of northeastern Asia), 36 (characteristics of Korean populations), 46 (China: Peking, now Beijing); Tsuneki and Shimoyama, 1963:49 (Japan: Towada Prefecture); Tano, 1964:38 (Japan: Kyushu: Island of Yakushima); Haneda, 1965:19 (Japan: Fukui Prefecture); Tsuneki, 1965d:5 (prey record summary: Hymenoptera), 7 (nesting habits), 1967g:44 (western Japan: Mount Hyonosen); Haneda, 1968a:46 (Japan); Itami, 1968a:16 (Japan: Yamagata Prefecture: foot of Mount Iide); Nambu, 1968b:27 (Japan: Saitama Prefecture); Nishino, 1968:25 (Japan); Tano, 1968:34 (Japan); Tsuneki, 1968f:3 (Japan), 5 (China: Nanking; Szechuan: Chengtu); Haneda, 1969:70 (Japan: Yamanashi Prefecture); T. Iida, 1969b:284 (description of mature larva); Itami, 1969:47 (Japan: Niigata Prefecture); Tsuneki,

1969e:27 (Japan: specimens in Osaka Museum of Natural History), 1970b:9 (central Japan); Tano, 1971:82 (Japan: Shikoku: Mount Tsurugi); Tsuneki, 1971m:16 (China: Peking, now Beijing); Yamada, 1971:35 (Japan: Aichi Prefecture); Nambu, 1972e:91 (Japan: Saitama Prefecture), **Tsuneki, 1972f:53,** Nambu, 1973a:152 (Japan: Saitama Prefecture); Suda, 1973:123 (Japan: Yamanashi Prefecture); Tsuneki, 1974a:371 (Korea); Nambu, 1975b:72 (Japan: Saitama Prefecture); Tsuneki, 1976d:294 (China: Heilungkiang; comparison with *Cerceris formosana*); Kazenas, 1979d:70 (Russia: Primorskiy Kray; diagnostic characters), 83, 87 (in key to *Cerceris* of Russian Far East); Tsuneki, 1982b:18 (known from Korea), 1982g:64 (known from Ryukyu archipelago: Island of Yakushima); Paik, 1985:203 (in list of Sphecidae of Korea); Tsuneki, 1991:201 (Korea); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:471, 476 (in key to Sphecidae of Russian Far East); Nemkov, 1992b:250 (Russia: Far East: Khingan Nature Reserve); Sk. Yamane and Tano, 1995:11 (Japan: Ryukyu Islands); Miyatake, 1996:103 (specimens in Hiroshi Aoki collection); Takahashi and Shiraishi, 1998:4 (Japan: Ehime Prefecture); Takahashi and Shiraishi, 1999:12 (Japan: Ehime Prefecture); Yamane, Ikudome, and Terayama, 1999:545 (Japan: in Identification Guide to Crabronidae of Nansei = Ryukyu Islands); Haneda, 2003:4 (Japan: Nagasaki Prefecture: Tsushima); Tano, Kurokawa, Murota, and Nozaka, 2003:33 (Japan: Nagasaki Prefecture: Tsushima); Haneda, Nosaka, Tano, Kurokawa, and Murota, 2004:38 (Japan: Gifu Prefecture); Suda, 2004:47 (Japan: Yamanashi Prefecture, as *hortivaga hortivaga*); Haneda, Inoue, Nozaka, Tano, Kurokawa, H. Murota, and T. Murota, 2005:67 (Japan: Fukui Prefecture: Mount Monju); Haneda, Nozaka, Tano, Kurokawa, and Murota, 2005:55 (Japan: Gifu Prefecture); Kinota, Haneda, and Tano, 2005:31 (Japan: Hokkaido); Negoro, Haneda, and Tano, 2005:49 (Japan: Toyama Prefecture); Terayama and Tano, 2005:3, 5 (in key to Japanese *Cerceris*); Haneda, Nozaka, Tano, Kurokawa, and Murota, 2006a:30 (Japan: Toyama Prefecture), 2006b:49 (Japan: Nagasaki Prefecture: Tsushima); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Nambu, 2006:247 (Japan: Tokyo: Imperial Palace garden); Nemkov, 2006b:169 (Russia: Primorskiy Kray: Kedrovaya Pad' Nature Reserve); Ohkusa, 2006a:25 (Japan: Honshu: Gifu Prefecture); Nemkov, 2007b:75 (Russia: Kuril Islands: Island of Kunashir), 2008b:25 (in catalog of Crabronidae of Asiatic Russia), 2009b:148 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia), 2009c:238 (Russia: Primorskiy Kray: Lazovsky Nature Reserve); Ohkusa and Tajima, 2010:13 (Japan: Island of Honshu: Shiga Prefecture); N. Yamamoto, 2011:14 (Japan: Kyūshyū: mainland Nagasaki Prefecture); Nemkov, 2012c:448 (in catalog of Crabronidae of Russian Far East); J.- K. Kim, 2014:447 (in catalog of Sphecidae *sensu lato* of Korean Peninsula); Kishi and Nagase, 2015:16 (Japan: Tokyo University: Yayoi Campus: visiting flowers); Jacobs and Liebig, 2018:137 (Russia: Primorskiy Kray: Anisimovka and Kalinovka); Dollfuss 2021a: 941 (specimens from Japan only); 2021b: 599 (specimens from China, Japan, Korea, and Russia only).

Cerceris harmandi (all corrected to *Cerceris hortivaga* by Tsuneki 1961: 36): Sato 1927: 96, 98; Yano 1932: 278; Tsuneki 1937: 183; 1948: 32; Yasumatsu & Okabe 1936: 499; Yasumatsu 1937: 68.

Cerceris unifasciata: Matsumura 1911: 115, corrected to Cerceris hortivaga by Tsuneki 1961: 36.

767. *straminea* Dufour

? *Cerceris waltlii* Spinola, 1839:496, ♂ (as *Waltlii*, incorrect original capitalization). Holotype: ♂, Egypt: no specific locality (not in Torino, lost?). – Schletterer, 1887:484 (original description copied), 506 (in checklist of world *Cerceris*); Ed. André, 1889:324, 334 (in revision of Sphecidae of Europe and Algeria, as *valtlii* on p. 324), 1891:27* (bibliographic references); Dalla Torre, 1897:481 (in catalog of world Hymenoptera); Giner Marí, 1941b:290 (original description copied, species identical with *Cerceris pallidula* Morice); de Beaumont, 1951b:176 (type not found in Torino; probable synonym of *Cerceris straminea*).

Cerceris straminea Dufour, 1854b:388, ♀. Syntypes: ♀, Algeria: Pontéba, now Oumm ed Drou, and Orléansville, now El-Asnam (MNHN). – Schletterer, 1887:480 (original description copied), 503 (in checklist of world *Cerceris*); Ed. André, 1889:337, and 1891:30* (unrecognizable species); Dalla Torre, 1897:477 (in catalog of world Hymenoptera); nec Morice, 1911:81 (= *Cerceris pruinosa*); Morice, 1911:81 (Algeria: single ♂ from Biskra may belong to this species); Shestakov, 1928:267 (study of syntype from Pontéba); Shestakov

in Nadig, 1933:97 (Morocco: Marrakech); Giner Marí, 1941b:200 (in revision of North African *Cerceris*), 1945e:230 (Western Sahara); de Beaumont, 1950c:324 (study of syntype which corresponds to interpretation of Giner Marí, 1941b), 1950f:397 (Algeria), 1951f:389 (Egypt to Morocco; *Cerceris komarovi* may be a subspecies of *straminea*), 1953g:124 (Morocco: Ksar es Souk), 1956a:187 (Libya); Pulawski, 1964:74 (Egypt: Kom Osheim); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Guichard, 1980:230 (Oman); Roche, 1981:5 (in checklist of Sphecidae of United Arab Emirates); Kazenas, 1984a:220 (in revision of *Cerceris* of Kazakhstan and Central Asia), 1992c:29 (Turkmenistan: Repetek Nature Reserve); Guichard, 1993a:160 (Arabian Peninsula); K. Schmidt, 2000:103 (in revision of Western Palearctic *Cerceris*) Kazenas, 2001b:59 (in checklist of Sphecidae of Kazakhstan and Central Asia); Gadallah and Assery, 2004a:236 (in catalog of Sphecidae of Saudi Arabia); Schmid-Egger, 2011b:517 (United Arab Emirates: Um al-Quwain, Wadi Bih), 520 (color photograph of female); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:359 (in new catalog of Sphecidae of Saudi Arabia); Koçak and Kemal, 2015:141 (in checklist of Hymenoptera of Turkey); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:81 (Iran: known from South Khorasan Province); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:10 (Azerbaijan: Nakhichevan Autonomous Republic); Ben Khedher, Yildirime, and Braham, 2020c:544 (Tunisia: summary of previous records, new locality records from Sidi Bouzid, Tataouine, and Tozeur provinces); Gadallah, 2020b:65 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021a:960 (Oman: 17 km west of Súr), 2021c:624 (locality records from Algeria, Morocco, Oman, United Arab Emirates, and Yemen); Malash, Edmardash, and Gadallah, 2022:50 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:298 (first record fromUnited Arab Emirates: locality records); Dollfuss, 2023a:411 (Oman); Madl, 2023:257 (in catalog of Crabronidae of Eritrea); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

Cerceris hirtiventris Morice, 1897:303, ♂. Holotype: ♂, Egypt: Zeitun near Cairo (OXUM). Synonymized with *Cerceris straminea* by Giner Marí, 1941b:200.

Cerceris morici Shestakov, 1918a:138, ♂. Holotype or syntypes: ♂, Algeria: Biskra (OXUM). Synonymized with *Cerceris straminea* by Shestakov, 1928:267 (as *moricei*).

As *Cerceris komarovii*: Morice, 1911:86 (Algeria: Biskra), corrected to *Cerceris morici* by Shestakov, 1918a:138; Mochi, 1938:160 (in revision of Egyptian *Cerceris*) and Honoré, 1941a:149 (Egypt: Hawamdieh), corrected to *Cerceris straminea* by Giner Marí, 1941b:200 and de Beaumont, 1951b:179.

ssp. *hebraea* de Beaumont

As *Cerceris komarovi*: Balthasar, 1954b:280 (Israel), corrected to *Cerceris straminea hebraea* by de Beaumont *in* de Beaumont and Bytinski-Salz, 1959:127.

Cerceris straminea hebraea de Beaumont *in* de Beaumont and Bytinski-Salz, 1959:127, ♀, ♂. Holotype: ♀, Israel: Beersheba (Lausanne). – R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); K. Schmidt, 2000:104 (in revision of Western Palearctic *Cerceris*); Ljubomirov and Yildirim, 2008:156 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:26 (Turkey: Erzurum: Şenkaya: Akşar); Dollfuss, 2021c:624 (Israel: 'En Perat east of 'Anatot at 31°49'57"N 35°18'26"E; Syria: near Palmyra; Turkey: three localities); Kaplan and Yildirim, 2021:100 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:50 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

ssp. *komarovii* Radoszkowski

Cerceris komarovii Radoszkowski, 1886a:35, ♀, ♂ (as *Komarovii*, incorrect original capitalization). Lectotype: Turkmenistan: no specific locality (Kraków), designated by Kohl, 1916:114 (specimen used by Radoszkowski for illustration). – Schletterer, 1887:448 (in revision of Palearctic *Cerceris*), 496 (in checklist

of world *Cerceris*); Ed. André, 1889:334 (in revision of Sphecidae of Europe and Algeria), 1891:29* (bibliographic references); Radoszkowski, 1892:591 (reference to Radoszkowski, 1886); Dalla Torre, 1897:464 (in catalog of world Hymenoptera); nec Morice, 1911:86 (= *Cerceris straminea*); Kohl, 1916:114 (redescription); Shestakov, 1918a:137 (Uzbekistan and Turkmenistan); Gussakovskij, 1935:445 (Tajikistan: Kulab area); nec Mochi, 1938:160 (= *Cerceris straminea*); nec Balthasar, 1954b:280 (= *Cerceris straminea hebraea*); Myartseva, 1963b:61 (Turkmenistan: lower Murgab River), 1965:94 (Turkmenistan: Akibay, Mary district, Murgab district, Sakar-Chagin district); Kazenas, 1978b:70, 72 (in key to Sphecidae of Kazakhstan and Central Asia). – **As *Cerceris straminea komarovii***: de Beaumont, 1970c:7 (new status, Iran: Khorassan; as *komarowi*); Myartseva, 1972:93 (Turkmenistan); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Nazarova and Shomirsaidov, 1997:25 (Tajikistan: fruit tree orchards in Vakhsh River valley); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); K. Schmidt, 2000:105 (in revision of Western Palearctic *Cerceris*); Kazenas, 2001d:123 (in key to *Cerceris* of Kazakhstan and Central Asia); Roche, 2007a:137 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Dollfuss, 2018:1166 (locality records from Iran, Tajikistan, and Turkmenistan); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:19 (Iran: known from Khuzestan and South Khorasan provinces); Gadallah, 2020b:66 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021c:624 (locality records from Iran, Pakistan, Tajikistan, and Turkmenistan); Malash, Edmardash, and Gadallah, 2022:50 (in catalog of Middle Eastern and North African Philanthinae).

Cerceris transversa Schletterer, 1889a:898, ♂. Syntypes: ♂, Uzbekistan: Samarkand (NHMW). Synonymized with *Cerceris komarovii* by Shestakov, 1918a:126, 154. – Dalla Torre, 1897:478 (in catalog of world Hymenoptera); Dollfuss, 1989:8 (type material in NHMW).

Cerceris cavicornis F. Morawitz, 1890:596, ♂. Holotype: ♂, Turkmenistan: Tedjen (ZIN). Synonymized with *Cerceris transversa* by Shestakov, 1915:15, and with *Cerceris komarovii* by Kohl, 1916:115, and Shestakov, 1918a:126. – Dalla Torre, 1897:455 (in catalog of world Hymenoptera).

As *Cerceris elegans*: Radoszkowski, 1877:64 (Kazakhstan: Karak; Kyrgyzstan: Shahimardan; Uzbekistan: Samarkand), corrected to *Cerceris straminea komarovii* by …

As *Cerceris capito* (present correction to *Cerceris straminea komarovi*): Radoszkowski, 1877:64 (Uzbekistan: Zaravshan valley); F. Morawitz, 1893b:420 (Tajikistan: Iskander-kul in Zeravshan valley), 1894:353 (Turkmenistan: Serax); Shestakov, 1914b:408 (Kazakhstan: Island of Nikolai in Aral Lake), 1918a:125 (Transcaspia; = *Cerceris saussurei*), 130 (= specimens determined as *Cerceris elegans* Eversmann by Radoszkowski, 1877:64); Balthasar, 1954b:280 (Palestine: Wadi el Kelt near Jericho); Myartseva, 1963b:61 (Turkmenistan: lower Murgab River), 1965:92 (Turkmenistan: Bayram-Ali district); Kazenas, 1972b:131 (Kazakhstan); Myartseva, 1972a:92 (Turkmenistan); Kazenas, 1974:109 (feeding on flowers of *Statice gmelini* Willd., Plumbaginaceae, in Kazakhstan).

768. *strandi* Giner Marí

Cerceris strandi Giner Marí, 1943d:215, ♀, ♂. Lectotype: ♀, Taiwan: Kankau: Koshun (DEI), designated by Oehlke and Wudowenz, 1974:425. – Tsuneki, 1968f:17 (description), 1970c:4, 6 (in key to *Cerceris* of Taiwan), 16 (Taiwan, redescription); Haneda, 1971b:32 (Taiwan); Murota, 1973b:117 (Taiwan); Tsuneki, 1973f:42 (Taiwan, redescription of ♂); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:71 (as tentative senior synonym of *Cerceris clarebaltazarae*); Porter, Stange, and Wang, 1999:14 (in checklist of Sphecidae of Taiwan); Hua, 2006:278 (in list of Chinese insects, geographic distribution); X. Li and L. Ma, 2014:2714 (in key to *Cerceris alboatra* species group of China, in Chinese).

ssp. *koulingensis* Tsuneki

Cerceris strandi koulingensis Tsuneki, 1968f:17, ♀. Holotype: ♀, China: Kou-Ling (Cornell Univ.). – **As *Cerceris koulingensis***: R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Zhou and Wu, 1993a:671 (China: Wuling Mountains); Wu and Zhou, 1996a:168 (in revision in Economic Insect Fauna of China); Wu, Zhou, Q. Li, and Yang, 2003:816 (China: Fujian Province); Q. Li and He, 2004:1111 (China: in hymenopterous fauna of Zhejiang Province); Hua, 2006:278 (in list of Chinese insects, geographic distribution); X. Li and L. Ma, 2014:2714 (in key to *Cerceris alboatra* species group of China, in Chinese).

769. *stratiotes* Schletterer

Cerceris stratiotes Schletterer, 1887:402, ♀, ♂. Syntypes: Hungary, Greece: Island of Corfu (NHMW). – Schletterer, 1887:503 (in checklist of world *Cerceris*); Ed. André, 1889:256, 261, 269, 296 (in revision of Sphecidae of Europe and Algeria); Schletterer, 1889a:903 (Savigny, 1817, pl. X, Fig. 11 attributed to *striatiotes*, clearly in error), 1889b:1126 (Armenia: Arax Valley); Ed. André, 1891:26* (bibliographic references); Dalla Torre, 1897:478 (in catalog of world Hymenoptera); Mocsáry, 1897:80 (Hungary: Grebenácz and Jassenova, currently in Romania); Schmiedeknecht, 1907:240, 242 (in key to Hymenoptera of Central Europe); Shestakov, 1914b:408 (Kazakhstan: Tash-Bulag on Aral Lake); Zilahi Kiss, 1915:80 (Hungary: Boksánbánya, Versecz); Shestakov, 1916:230 (Armenia), 1917c:46 (Ukraine: Crimea); Maidl, 1922:68 (Croatia): Shestakov, 1922:81 (Russia: Stavropol' area); Grandi, 1927:188 (France: Provance; Italy: Toscana: Monte Stanco near Grizzana; prey: *Stilbula cynipiformis* (Rossi), Eucharitidae), 1928d:285 (no new observations); Schmiedeknecht, 1930:701, 703 (in keys to Hymenoptera of North and Central Europe); Šnoflák *in* Zavadil and Šnoflák, 1948:91, 96 (in key to Sphecidae of Czechoslovakia); Grandi, 1950:4 (new observation confirming earlier data); Balthasar, 1948:143 (first record from Czechoslovakia: Slovakia: Kovačov), 1950:36 (Slovakia: Kovačov); de Beaumont, 1954e:87 (Italy); Grandi, 1954:158 (nesting habits, prey: *Stilbula cynipiformis* (Rossi), Eucharitidae); Vogrin, 1955:33 (Yugoslavia); Bajári, 1956a:82 (in catalog of Hungarian *Cerceris*, with list of localities), 1957a:31, 39 (in key to Hungarian Sphecidae); de Beaumont, 1957d:328 (diagnostic characters), 1958d:272 (Greece); Pulawski, 1958a:166 (Bulgaria: Aitos, Kurilo, Varna); Scobiola-Palade, 1959:496 (Romania: Constanţa Region: Agigea, Mangalia); Grandi, 1961:177 (nesting habits); de Beaumont, 1965a:20 (Greece); Balthasar, Hrubant, and Hrubant, 1967:174 (Bulgaria: Slanchev Bryag near Nessebar); de Beaumont, 1967a:285 (Turkey; variation); Scobiola-Palade, 1967a:161 (Romania: Constanţa District: Mangalia); de Beaumont, 1969:82 (Turkey); Scobiola-Palade, 1971:206 (in review of *Cerceris* of Romania); Atanassov, 1972a:192 (Bulgaria: Stara Planina Mountains), 1972b:32, 48 (Bulgaria: Stara Planina Mountains); Balthasar, 1972:409 (in Sphecid Fauna of Czechoslovakia); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Guichard, 1978:270 (Greece); Kazenas, 1978b:59 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1978:192 (in key to Sphecidae of European part of USSR); Kazenas, 1984a:65 (in revision of *Cerceris* of Kazakhstan and Central Asia); Józan, 1985b:62 (recorded from Hidas by Bajári, 1956), 85 (ecological and zoogeographic characteristics); Pagliano, 1987:162 and 165 (in key to *Cerceris* of Italy), 1988:153 (in revision of Italian Philanthinae); Dollfuss, 1989:8 (type material in NHMW); Pádr *in* Šedivy, 1989a:166 (in checklist of Czechoslovakian Sphecidae); Pagliano, 1990:100 (in catalog of Italian Sphecidae); Dollfuss, 1991:223 (in key to Sphecidae of North and Central Europe); Gayubo, Borsato, and Osella, 1991:423 (Italy: Emilia: Grizzana); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:368 (in Sphecid Fauna of Western Europe); Esenbekova and Kazenas, 2000:89 (southeastern Kazakhstan: near Alma Ata, 23 km west of Alma Ata, 3 km southwest of Temirbastau, 1-3 km northwest of Zhabagly); Giachino, Grosso, Marchetti, Pagliano, Scaramozzino, and Vailati, 2000:110 (Greece); Józan, 2000:114 (Hungary: Bakony Mountains: Balatonfüred); Ljubomirov, 2000:14 (Bulgaria, specimens in N. Nedelkov collection); K. Schmidt, 2000:88 (in revision of Western Palearctic *Cerceris*);

Kazenas, 2001b:59 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:111 (in key to *Cerceris* of Kazakhstan and Central Asia); Kazenas and Esenbekova, 2001:136 (Kazakhstan: Almatinskiy Nature Reserve); Józan, 2002:54 (Hungary: Mecsek Mountains); Kazenas, 2002a:154 (geographic distribution, collecting localities in Kazakhstan), 2004b:113 (Kazakhstan: western Tien Shan); Shkuratov, 2004a:74 (Russia: Rostov Oblast'); Pagliano and Negrisolo, 2005:331 (in Sphecid Fauna of Italy); Shorenko, 2005b:99 (Ukraine: Crimea: Karadagh Nature Reserve); Yildirim and Ljubomirov, 2005:1806 (Turkey: Artvin, Erzincan, Erzurum, Iğdır, and Konya provinces); Standfuss and Standfuss, 2006b:100 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Vepřek and Straka, 2007:210 (in catalog of Sphecidae of Czech Republic and Slovakia, known only from Slovakia); Ljubomirov and Yildirim, 2008:157 (in catalog of Crabronidae of Turkey); Shorenko, 2009:369 (in list of Sphecidae *sensu lato* of Crimea); Rudoiskatel', 2010:148 (Russia: southern Ural Mountains); Shorenko and Konovalov, 2010:30 (Ukraine: Dnepropetrovsk Oblast': village Rayevka; Khar'kov Oblast': village Kitsevka; Lugansk Oblast': village Trekhizbenka); Gogala, 2011:33 (Slovenia); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Prisniy, 2012:53 (Russia: Belgorod Oblast'); Yildirim, 2012:79 (Turkey: Iğdır; Kars: Sarıkamış: Karakurt); Kazenas, 2014a:139 (Kazakhstan: Karatau Mountain Range); Protsenko, Fateryga, and Ivanov, 2014:38 (Crimea: several localities); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:141 (in checklist of Hymenoptera of Turkey); Haris, 2016:22 (in list of species described by A. Schletterer from Carpathian Basin); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:27 (Turkey: Erzurum and Tunceli provinces); Arens, 2017a:644 (Greece: Peloponnesus); Danilov and Mokrousov, 2017b:255 (in catalog of Philanthinae of Russia); Shorenko, 2017:81 (in Crimea collected in June and July); Dollfuss, 2018:1166 (locality records from Bulgaria, Greece, Iran, Kazakhstan. Kyrgyzstan, Montenegro, Slovakia, Syria, Turkey, and Uzbekistan); Shorenko, 2018:131 (Crimea, including localities, habitats, and number of specimens); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:10 (Azerbaijan: Nakhichevan Autonomous Republic); Sadeghi, Fallahzadeh, Ostovan, Ljubomirov, and Hesami, 2019b:19 (Iran: known from East Azerbaijan Province); Shorenko, 2020:49 (Crimea: Karadag Nature Reserve); Dollfuss, 2021a:960 (locality records from Bulgaria and Slovakia: Šturovo), 2021c:624 (localitiy records from Bulgaria, Georgia, Greece, Hungary, Iran, Kazakhstan, Slovakia, Syria, Turkey, and Uzbekistan); Kaplan and Yildirim, 2021:100 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:51 (in catalog of Middle Eastern and North African Philanthinae); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:274 (in revision of Sphecidae *sensu lato* of Europe); Can, 2022a:222 (supernumerary vein in forewing); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

770. *stratonike* K. Schmidt

Cerceris stratonike K. Schmidt, 2000:121, ♀, ♂. Holotype: ♂, Turkey: Mardin Province: 40 km east of Midyat (OÖLM.). – Yildirim and Ljubomirov, 2005:1806 (Turkey: Diyarbakır: Silvan, as *stratonikae*), 2007:119 (Turkey: Konya: Dinlendik); Ljubomirov and Yildirim, 2008:157 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces), 19 (is an endemic of Turkey); Koçak and Kemal, 2015:141 (in checklist of Hymenoptera of Turkey); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:27 (Turkey: Erzurum: Aşkale: Yaylayolu); Dollfuss, 2021c:625 (locality records from Iran, Jordan, Syria, and Turkey); Kaplan and Yildirim, 2021:100 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:51 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae sensu lato of Turkey).

771. *striata* F. Smith

Cerceris striata F. Smith, 1873c:409, ♀. Holotype or syntypes: ♀, Brazil: Pará: probably Belém (BMNH). – Schletterer, 1887:503 (in checklist of world *Cerceris*); Dalla Torre, 1897:478 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Amarante, 2002:61 (in catalog of Neotropical Crabronidae).

772. *strigosa* Cameron

Cerceris strigosa Cameron, 1890:110, ♀, ♂. Lectotype: ♀, Mexico: Durango: Ciudad (BMNH), designated by G. Ferguson, 1984b:439. – Dalla Torre, 1897:478 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Scullen, 1972:95 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); G. Ferguson, 1984c:495 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:61 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

773. *sulphurea* Cameron

Cerceris sulphurea Cameron, 1890b:261, ♂. Holotype or syntypes: ♂, India: Maharashtra: Bombay, now Mumbai (OXUM, lost? Empey, 1984:79). – Cameron, 1890b:250 (India: Bombay, now Mumbai); nec Bingham, 1897:305 (= *Cerceris flavopicta*); Dalla Torre, 1897:478 (in catalog of world Hymenoptera); R. Turner, 1912e:501 (in revision of *Cerceris* of Indian subcontinent); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Empey, 1984:79 (in checklist of Oriental *Cerceris* described by Cameron).

774. *sungari* Tsuneki

Cerceris sungari Tsuneki, 1961c:58, ♂. Holotype: ♂, China: Heilungkiang: Harbin (originally P. Verhoeff coll., now RMNH). – Tsuneki, 1961c:18 (in key to *Cerceris* of northeastern Asia); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Kazenas, 1979d:88 (in key to *Cerceris* of Russian Far East); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:479 (in key to Sphecidae of Russian Far East); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

775. *supraconica* Tsuneki

Cerceris supraconica Tsuneki, 1961c:38, ♀, ♂. Holotype: ♀, Korea: Mont Kaya (originally K. Tsuneki coll., now USNM). – Tsuneki, 1961c:8, 15 (in key to *Cerceris* of northeastern Asia); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Kazenas, 1979d:83, 86 (in key to *Cerceris* of Russian Far East); Tsuneki, 1982b:18 (known from Korea); Nuhn and Menke, 1994:26 (holotype transferred to USNM); Paik, 1985:203 (in list of Sphecidae of Korea); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:470, 476 (in key to Sphecidae of Russian Far East); J.-K. Kim, 2014:450 (in catalog of Sphecidae *sensu lato* of Korean Peninsula).

776. *stevensoni* Brauns

Cerceris stevensoni Brauns, 1926:300, ♀ (as *Stevensoni*, incorrect original capitalization). Holotype: ♀, Mozambique: Dondo (SAM). – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:140 (in key to Afrotropical *Cerceris*); Empey, 1969a:323 (in checklist of Afrotropical *Cerceris*); Empey, 1974:107 (as new synonym of *Cerceris kilimanjaroensis*); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae), 628 (synonymy with *Cerceris kilimanjaroensis* recorded); Empey, 1983:189 (bibliographic reference, valid species); Dollfuss, 2020a:105 (Cameroon: near Kribi).

777. *surieli* Genaro

Cerceris surieli Genaro, 2017:6, ♀, ♂. Holotype: ♀, Dominican Republic: Sierra de Bahoruco: Las Abejas (FSCA). – Genaro, 2017:10 (in list of Antillean *Cerceris*).

778. *synagroides* R. Turner

Cerceris synagroides R. Turner, 1912:413, ♀. Holotype: ♀, Malawi: Mombera District (BMNH). – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:139 (in key to Afrotropical *Cerceris*), 186 (original description copied); Empey, 1969a:323 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Empey, 1983:189 (bibliographic reference, type examined).

779. *szechuana* Tsuneki

Cerceris szechuana Tsuneki, 1968f:13, ♂. Holotype: ♂, China: Szechuan: Mowchow (USNM). – R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Nuhn and Menke, 1994:26 (holotype in USNM); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

780. *tangaensis* Dollfuss

Cerceris tangaensis Dollfuss, 2023b:340, ♂. Holotype: ♂, Tanzania: Tanga Region: 2 km northeast of Mkomazi at 4°37.8'S 38°05.5'E (CAS).

781. *tango* Shestakov

Cerceris tango Shestakov, 1918b:18, ♀. Holotype or syntypes:♀, China: Alashan: oasis Dyn-Yuan-In (ZIN). – R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae).

782. *tefnut* Dollfuss

Cerceris tefnut Dollfuss, 2023b:341, ♂. Holotype: ♂, Ethiopia: Konso Zone at 5°19'N 37°04'E (OÖLM). Paratypes: Kenya.

783. *tenuiventris* Arnold

Cerceris tenuiventris Arnold, 1958:132, ♂. Syntypes: Zimbabwe: Victoria Falls (SAM). – Empey, 1969a:323 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Empey, 1983:189 (bibliographic reference, type examined).

784. *tenuivittata* Dufour

Cerceris tenuivittata Dufour, 1849:92, ♀. Holotype or syntypes: ♀, Spain, Madrid (MNHN). – Kirchner, 1867:221 (in catalog of European Hymenoptera); Marquet, 1875:205 (France: Haute-Garonne: Toulouse), 1881:189 (France: Hérault: Cette, now Sète, and Vias); Schletterer, 1887:481 (original description copied), 504 (in checklist of world *Cerceris*); Ed. André, 1889:277 (in revision of Sphecidae of Europe and Algeria), 1891:29* (bibliographic references); Dalla Torre, 1897:478 (in catalog of world Hymenoptera); Schmiedeknecht, 1907:237, 243 (in key to Hymenoptera of Central Europe); de Gaulle, 1908:104 (in catalog of French Hymenoptera); Mercet, 1914:445 (recorded from Spain); Kohl, 1916:125 (specimens in O. Radoszkowski collection, Kraków); Berland, 1925d:62 (in Sphecid Fauna of France); Shestakov, 1928:267 (study of holotype); Schmiedeknecht, 1930:698, 704 (in keys to Hymenoptera of North and Central Europe); Despax, 1931:71 (prey: *Cassida* sp., Chrysomelidae); Bernard, 1935:62 (France: Var: Fréjus area); Gussakovskij, 1935:445 (Tajikistan: Kulab area); Giner Marí, 1941a:47 (in revision of Spanish *Cerceris*), 1943a:99 (in Sphecid Fauna of Spain); Šnoflák *in* Zavadil and Šnoflák, 1948:90, 96 (in key to Sphecidae of Czechoslovakia, not yet found in Czechoslovakia); Ceballos, 1956:372 (in catalog of Hymenoptera of Spain); Balthasar, 1958:339 (first record from Slovakia: Kovačov); de Beaumont, 1950c:324 (study of holotype), 1951b:177 (synonymy cited), 1952a:73 (in revision of *Cerceris* of France); Bajári, 1956a:85 (in catalog of Hungarian *Cerceris*, with list of localities), 1957a:34, 42 (in key to Hungarian Sphecidae); de Beaumont, 1958d:287 (Cyprus), 1959a:16 (Italy); de Beaumont and Bytinski-Salz, 1959:124 (Israel); Scobiola, 1960a:168 (first record from Romania: Mureş Region: Sighişoara); de Beaumont, 1965a:22 (Greece);

Scobiola-Palade, 1967b:41 (Romania); de Beaumont, 1969:82 (Turkey); Scobiola-Palade, 1971:206 (in review of *Cerceris* of Romania); Balthasar, 1972:405 (in Sphecid Fauna of Czechoslovakia); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Kazenas, 1978b:68 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1978:196 (in key to Sphecidae of European part of USSR); Kazenas, 1984a:183 (in revision of *Cerceris* of Kazakhstan and Central Asia); Józan, 1985b:62 (recorded from Simontornya by Bajári, 1956), 72 (map of distribution in Hungary), 85 (ecological and zoogeographic characteristics); Gayubo, 1986a:68 (Spain: Ciudad Real Province); Pagliano, 1987:162 and 166 (in key to *Cerceris* of Italy); Tormos and Jiménez, 1987a:128 (Spain: Valencia); Pagliano, 1988:143 (in revision of Italian Philanthinae); Józan, 1989:102 (Hungary: Tihany Nature Reserve); Pádr *in* Šedivy, 1989a:166 (in checklist of Czechoslovakian Sphecidae); Pagliano, 1990:101 (in catalog of Italian Sphecidae); Dollfuss, 1991:223 (in key to Sphecidae of North and Central Europe); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:9 (in catalog of Italian fauna); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:370 (in Sphecid Fauna of Western Europe); Nazarova and Shomirsaidov, 1997:25 (Tajikistan: fruit tree orchards in Vakhsh River valley); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Shkuratov, 1998a:97 (Russia: Rostov Oblast'); Pagliano and Scaramozzino, 1999:162 (Italy: Piemonte: Borgomale); K. Schmidt, 2000:32 (in revision of Western Palearctic *Cerceris*); Shkuratov, 2000:56 (Russia: Rostov Oblast': Vëshenskaya village area at 49°37'N 41°45'E); Kazenas, 2001b:59 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:119 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:154 (geographic distribution, collecting localities in Kazakhstan); Shkuratov, 2002b:139 (Russia: Rostov Oblast': Rostovskiy Nature Reserve at 46°27'N 42°41'E); Kazenas, 2004b:113 (Kazakhstan: western Tien Shan); Shkuratov, 2004a:74 (Russia: Rostov Oblast'), 2004b:165 (Russia: Rostov Oblast': Gosudarstvennyi Muzey-Zapovednik M.A. Sholokhova); Jacobs, 2005a:442 (Bulgaria); Pagliano and Negrisolo, 2005:321 (in Sphecid Fauna of Italy); Shorenko, 2005a:169 (Ukraine: Crimea); Yildirim and Ljubomirov, 2005:1806 (Turkey: Erzurum: University campus); Standfuss and Standfuss, 2006b:100 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Vepřek and Straka, 2007:210 (in catalog of Sphecidae of Czech Republic and Slovakia); Ljubomirov and Yildirim, 2008:158 (in catalog of Crabronidae of Turkey); Shorenko, 2009:369 (in list of Sphecidae *sensu lato* of Crimea); Shorenko and Konovalov, 2010:30 (Ukraine: several localities); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Kazenas, 2014a:140 (Kazakhstan: Karatau Mountain Range); Protsenko, Fateryga, and Ivanov, 2014:38 (Crimea: Urozhaynoye in Simferopol' District, Kamenskoye in Leninsk District); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:141 (in checklist of Hymenoptera of Turkey); Arens, 2017a:646 (Greece: Peloponnesus); Danilov and Mokrousov, 2017b:255 (in catalog of Philanthinae of Russia); Shorenko, 2017:81 (in Crimea collected in June and July); Dollfuss, 2018:1167 (locality records from Greece, Jordan, Kazakhstan, Kyrgyzstan, Slovakia, Tajikistan, Turkey, Turkmenistan, Ukraine, and Uzbekistan); Shorenko, 2018:131 (Crimea, including localities, habitats, and number of specimens); Dollfuss, 2021a:960 (Croatia: Istria: Rovinj, and Romania: Cluj: Băile Cojocna), 2021c:625 (locality records from Bulgaria, Greece, Jordan, Kazakhhstan, Kyrgyzstan, Slovakia, Turkmenistan, Turkey, Ukraine, and Uzbekistan); Kaplan and Yildirim, 2021:100 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:51 (in catalog of Middle Eastern and North African Philanthinae); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:275 (in revision of Sphecidae *sensu lato* of Europe); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

Cerceris rufipes F. Smith, 1856:442, ♀, junior secondary homonym of *Cerceris rufipes* (Fabricius, 1787). Holotype or syntypes: ♀, Polish Ukraine, now western Ukraine: no specific locality (BMNH). Synonymized with *Cerceris tenuivittata* by de Beaumont, 1950c:324. – Kirchner, 1867:221 (in catalog of European Hymenoptera); Haris, 2016:14 (in list of species described by F. Smith from Carpathian Basin).

Cerceris fuscipennis A. Costa, 1867c:89, ♀, ♂. Syntypes: Italy: Piemonte and Toscana: no specific localities (Napoli). Synonymized with *Cerceris tenuivittata* by de Beaumont, 1950c:324. – de Beaumont, 1950c:326 (study of syntype); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); Pagliano, 2014:110 (specimens in M. Spinola collection, Torino, are *Cerceris* sp.).

Cerceris fuscipennis A. Costa, 1869b:105, ♀. Objective synonym of *Cerceris fuscipennis* A. Costa, 1867c:89.

Cerceris melanothorax Schletterer, 1887:403, ♂. Syntypes: ♂, Hungary, Spain: no specific localities (NHMW). Synonymized with *Cerceris tenuivittata* by Giner Marí, 1941a:89 and de Beaumont, 1950c:324. – Schletterer, 1887:497 (in checklist of world *Cerceris*); Ed. André, 1889:287 (in revision of Sphecidae of Europe and Algeria), 1891:29* (bibliographic references); Dalla Torre, 1897:467 (in catalog of world Hymenoptera); Mocsáry, 1897:80 (Kingdom of Hungary: Jassenova, now in Romania); Mercet, 1914:445 (recorded from Spain); de Beaumont, 1951b:177 (synonymy confirmed); Haris, 2016:22 (in list of species described by A. Schletterer from Carpathian Basin).

785. *tepaneca* de Saussure

Cerceris tepaneca de Saussure, 1867:90, ♂. Lectotype: ♂, Mexico: Orizaba (NHMW), designated by Scullen, 1961:48. – Schletterer, 1887:504 (in checklist of world *Cerceris*); Cameron, 1890a:125 (Mexico, redescription); Dalla Torre, 1897:478 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Scullen, 1965b:509 (in revision of North American *Cerceris*), 1969:283 (as *Cerceris clypeata tepaneca*, new status); Scullen and Wold, 1970:213 (distribution and summary of prey records); Scullen, 1972:76 (in revision of Mexican and Central American *Cerceris*, as *clypeata tepaneca*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae, as *Cerceris clypeata tepaneca*); G. Ferguson, 1984c:495 (reverted to full species status, in annotated list of North American and Caribbean *Cerceris*); Dollfuss, 1989:8 (lectotype in NHMW); Weissmann and Kondratieff, 1999:78 (Colorado: Great Sand Dunes National Monument, as *tepanica*); Amarante, 2002:61 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae; as *clypeata tepaneca*); Ratzlaff, 2016:28 (Canada: British Columbia: from Scullen, 1965); Dollfuss, 2021b:570 (Mexico: Chiapas: Lagunas de Montebello, as *clypeata lepaneca* [sic]).

Cerceris morata Cresson, 1873:230, ♀. Lectotype: ♀, USA: Texas: Bosque County: no specific locality (ANSP), designated by Cresson, 1916:101. Synonymized with *Cerceris tepaneca* by G. Ferguson, 1984c:495. – Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:497 (in checklist of world *Cerceris*); Dalla Torre, 1897:468 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Banks, 1912:19 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1009 (in catalog of North American Hymenoptera); Scullen, 1965b:489 (in revision of North American *Cerceris*); Carillo and Gibson, 1966:111 (…); C.S. Lin, 1966d:582 (prey: *Eleodes opaca* Say, a tenebrionid); Scullen, 1972:89 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Krombein, 1979b:1735 (in catalog of North American Hymenoptera); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Ohl and Linde, 2003:151 (number of ovarioles).

Cerceris thermophila Schletterer, 1887:463, ♀. Lectotype: ♀, Mexico: no specific locality (NHMW), designated by Scullen, 1972:77. Synonymized with *Cerceris tepaneca* by G. Ferguson, 1984c:496. – Schletterer, 1887:504 (in checklist of world *Cerceris*); Cameron, 1891a:129 (bibliographic reference); Dalla Torre, 1897:478 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Scullen, 1972:96 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:579 (as synonym of *Cerceris clypeata tepaneca*) and 588 (in checklist of world Sphecidae, as valid species); Dollfuss, 1989:8 (lectotype in NHMW); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

Cerceris nasica Viereck and Cockerell, 1904b:132, ♀. Holotype: ♀, USA: New Mexico: no specific locality (ANSP). Synonymized with *Cerceris morata* by Scullen, 1942:188. – Snow, 1906:9 (Arizona: Oak Creek 20 mi. southwest of Flagstaff); Cresson, 1928:49 (holotype in ANSP); Banks, 1947:20 (in revision of eastern U.S. *Cerceris*).

Cerceris platyrhina Viereck and Cockerell, 1904b:133, ♀. Holotype: ♀, New Mexico: Fillmore Canyon in Oregon Mountains (ANSP). Synonymized with *Cerceris morata* by Scullen, 1942:188, with *Cerceris vicina* by Scullen 1965b:517, and with *Cerceris tepaneca* by G. Ferguson, 1984c:495. – Snow, 1906:9 (Arizona); Cresson, 1928:49 (holotype in ANSP).

786. *teranishii* Sato

Cerceris teranishii Sato, 1927:91, ♀, ♂. Syntypes: Japan: …. – Sato, 1927:97, 98 (in key to *Cerceris* of Japan); Tsuneki, 1961c:13, 18, 25, 26 (in key to *Cerceris* of northeastern Asia, as *Cerceris eversmanni teranishii*), 27 (as *Cerceris eversmanni teranishii*, new status), 1967h:45 (as full species); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Kazenas, 1979d:85, 89 (in key to *Cerceris* of Russian Far East, as *Cerceris eversmanni teranishii*); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:474, 479 (in key to Sphecidae of Russian Far East, as *Cerceris eversmanni teranishii*); Mitai, 2005:54 (Japan: recorded from Kyushu); Terayama and Tano, 2005:2, 4 (in key to Japanese *Cerceris*).

787. *tetradonta* Cameron

Cerceris tetradonta Cameron, 1890b:261, ♀, ♂. Syntypes: India: Maharashtra: Poona (BMNH, lost? Empey, 1984:80). – Cameron, 1890:250 (India: Poona); Bingham, 1897:301 (in key to *Cerceris* of British India), 304 (original description copied); Dalla Torre, 1897:478 (in catalog of world Hymenoptera); Bingham, 1908:358 (India: Bihar: Purnea, now Purnia); R. Turner, 1912e:506 (in revision of *Cerceris* of Indian subcontinent); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Krombein, 1981:15 (nesting habits; prey: *Cassida* sp., Chrysomelidae), 50 (in revision of Sri Lanka Philanthinae); Empey, 1984:80 (in checklist of Oriental *Cerceris* described by Cameron); Kazenas, 2001b:59 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:119, 122 (in key to *Cerceris* of Kazakhstan and Central Asia); Ljubomirov and Yildirim, 2008:158 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:27 (Turkey: Tunceli: Böğürtelen); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:81 (Iran: known from Khuzestan Province); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:19 (Iran: known from Khuzestan Province); Dollfuss, 2021c:625 (locality records from Syria, Tajikistan, Turkey, Turkmenistan, and Uzbekistan, mispelled *tetradonata*); Kaplan and Yildirim, 2021:101 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:51 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:430 (Uzbekistan: distribution).

Cerceris barrei Radoszkowski, 1893a:68, ♀, ♂ (as *Barrei*, incorrect original capitalization). Syntypes: Turkmenistan: Serax (Kraków). Synonymized with *Cerceris tetradonta* by Kazenas, 2000a:49. – Dalla Torre, 1897:453 (in catalog of world Hymenoptera); Kohl, 1916:107 (redescription); Shestakov, 1918a:125 (bibliographic reference); Gussakovskij, 1935:445 (Tajikistan: Kulab area); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Kazenas, 1978b:68, 70 (in key to Sphecidae of Kazakhstan and Central Asia); Islamov and Kazenas, 1983:44 (Uzbekistan); Kazenas, 1984a:185 (in revision of *Cerceris* of Kazakhstan and Central Asia); Islamov, 1986:521 (Uzbekistan: Tashkent Oblast'); Nazarova and Shomirsaidov, 1997:25 (Tajikistan: fruit tree orchards in Vakhsh River valley); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); K. Schmidt, 2000:29 (in revision of Western Palearctic *Cerceris*); Nazarova, 2005:94 (alfalfa fields in southwestern Tajikistan).

788. *texana* Scullen

Cerceris texana Scullen, 1965b:511, ♀. Holotype: ♀, USA: Texas: Del Rio (Kansas Univ.). – R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Krombein, 1979b:1737 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:496 (in annotated list of North American and Caribbean *Cerceris*); Dollfuss, 1989:8 (paratype in NHMW).

789. *tibialis* Brèthes

Cerceris tibialis Brèthes, 1910a:267, ♀, ♂. Lectotype: ♀, Argentina: Mendoza: Cachueta (MACN), designated by Fritz, 1968b:166. – Jörgensen, 1912:287 (Argentina: Mendoza Province); Schrottky, 1913a:230 (Argentina: Entre Ríos, Mendoza); Brèthes, 1920a:408 (Argentina); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Fritz and Mariluis, 1979:29 (in revision of *Cerceris gaudebunda* species group); Genise, 1990:26 (type material in MACN); Amarante, 2002:62 (in catalog of Neotropical Crabronidae).

Cerceris pauxilla Brèthes: Jörgensen, 1912:288, nomen nudum (Argentina: Mendoza Province).

Cerceris pauxilla Brèthes, 1913:122, ♂. Holotype: ♂, Argentina: Mendoza: no specific locality (MACN). Synonymized with *Cerceris tibialis* by Fritz and Mariluis, 1979:29. – Brèthes, 1920a:408 (Argentina); Fritz, 1968b:169 (study of holotype); R. Bohart and Menke, 1976:585 (in checklist of world Sphecidae); Genise, 1990:26 (type material in MACN).

790. *tienchiao* Tsuneki

Cerceris tienchiao Tsuneki, 1968f:13, ♂. Holotype: ♂, China: Peking, now Beijing (originally K. Tsuneki coll., now USNM). – Tsuneki, 1971m:18 (China: Peking, now Beijing); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Kazenas, 1979d:88 (in key to *Cerceris* of Russian Far East); Nuhn and Menke, 1994:26 (holotype transferred to USNM); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

As *Cerceris tiendang*: Tsuneki, 1961c:52 (China: Peking, now Beijing; ♂ only), corrected to *Cerceris tienchiao* by Tsuneki, 1968f:13.

791. *tiendang* Tsuneki

Cerceris tiendang Tsuneki, 1961c:51, ♀, ♂ (♂ = *Cerceris tienchiao*). Holotype: ♀, China: Beijing: Tiendang (originally K. Tsuneki coll., now USNM). – Tsuneki, 1961c:11, 17 (in key to *Cerceris* of northeastern Asia), 1968f:11 (China: Peking, now Beijing; color variation, description of ♂), 1971l:437 (Mongolia), 1971m:17 (China: Beijing: Tiendang; Nei Mongol: Apaka, ca. 45°N 116°E); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Kazenas, 1979d:84 (in key to *Cerceris* of Russian Far East); Nuhn and Menke, 1994:26 (holotype transferred to USNM); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:472, 479 (in key to Sphecidae of Russian Far East); Wu and Zhou, 1996a:174 (in revision in Economic Insect Fauna of China); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Dollfuss, 2021c:626 (Mongolia: many localities).

Cerceris gegen Tsuneki, 1961c:69, ♂. Holotype: ♂, China: Nei Mongol: Apaka ca. 45°N 116°E (originally K. Tsuneki coll., now USNM). Synonymized with *Cerceris tiendang* by Tsuneki, 1968f:11. – Tsuneki, 1961c:18 (in key to *Cerceris* of northeastern Asia); Nuhn and Menke, 1994:25 (holotype transferred to USNM).

792. *tingi* Fritz and Mariluis

Cerceris tingi Fritz and Mariluis, 1976:104, ♀. Holotype: ♀, Peru: Tingo María (originally M. Fritz coll., now MACN). – Fritz and Mariluis, 1976:96 (in key to *Cerceris spathulifera* species group); Fritz, 1993:17 (holotype in M. Fritz coll.); Amarante, 2002:62 (in catalog of Neotropical Crabronidae), 2005a:13 (correction to his 2002 catalog); Rasmussen and Asenjo, 2009:14 (in checklist of Crabronidae of Peru); Dollfuss, 2021b:574 (Ecuador: several localities; Peru: Puerto Maldonado at 12°37'S 69°11'W).

793. *tinnula* Gussakovskij

Cerceris tinnula Gussakovskij, 1952:284, ♀, ♂ (as Shestakov's MS name). Syntypes: Tajikistan: Kurgan-Tyube, Makhram near Kanibadam; Uzbekistan: Kuropatkino, Ak-Tash, Kengrak (ZIN). – R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Kazenas, 1978b:60 (in key to Sphecidae of Kazakhstan and Central Asia); Islamov and Kazenas, 1983:45 (Uzbekistan); Kazenas, 1984a:104 (in revision of *Cerceris* of Kazakhstan and Central Asia); Islamov, 1986:520 (Uzbekistan: Surkhandarya and Tashkent Oblast's), 2001b:59 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:112, 115 (in key to *Cerceris* of Kazakhstan and Central Asia); Dollfuss, 2018:1168 (Kyrgyzstan: Frunze, now Bishkek: 15 km south of Con-Arik), 2021c:626 (Kazakhstan: 5 km west of Shardara at 41°16'14"N 67°53'02"E; Tajikistan: 3 km west of Dusti = 130 km south od Dushanbe); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:431 (Uzbekistan: distribution).

794. *tolteca* de Saussure

Cerceris tolteca de Saussure, 1867:94, ♀, ♂. Lectotype: ♀, Mexico: Morelos: Cuernavaca (MHNG), designated by Scullen, 1961:48. – Schletterer, 1887:504 (in checklist of world *Cerceris*); Cameron, 1890a:109 (Mexico, redescription); Dalla Torre, 1897:478 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Scullen, 1965b:512 (in revision of North American *Cerceris*), 1972:97 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Krombein, 1979b:1737 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:496 (in annotated list of North American and Caribbean *Cerceris*); Maes, 1989:95 (in catalog of Nicaraguan Sphecidae); Amarante, 2002:62 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

Cerceris cosmiocephala Cameron, 1904h:67, ♂. Holotype: ♂, Nicaragua: San Marcos (BMNH). Synonymized with *Cerceris tolteca* by Scullen, 1961:48.

795. *tomiyamai* Sk. Yamane and Tano

Cerceris tomiyamai Sk. Yamane and Tano, 1995:18, ♀, ♂. Holotype: ♀, Japan: central Ryukyu Islands: Island of Okinoerabu-jima: Oyama: (depository not stated). – Yamane, Ikudome, and Terayama, 1999:500 (in Identification Guide to Crabronidae of Nansei = Ryukyu Islands, Japan); Terayama and Tano, 2005:3, 6 (in key to Japanese *Cerceris*).

796. *tonkinensis* R. Turner

Cerceris tonkinensis R. Turner, 1919f:393, ♂. Holotype: ♂, Vietnam: Tonkin: no specific locality (BMNH). – R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Pham, Kumar and Danilov, 2015:1596 (in list of Sphecidae *sensu lato* of Vietnam).

797. *townsendi* Viereck and Cockerell

Cerceris townsendi Viereck and Cockerell, 1904b:140, ♀. Holotype: ♀, USA: New Mexico: Las Cruces (ANSP). – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010 (in catalog of North American Hymenoptera); Scullen, 1965b:520 (unrecognizable species); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Krombein, 1979b:1737 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:496 (in annotated list of North American and Caribbean *Cerceris*).

798. *toxopeusi* Krombein

Cerceris toxopeusi Krombein, 1969b:29, ♀. Holotype: ♀, Indonesia: Irian Jaya (= Indonesian New Guinea): Hollandia, now Djajapura (RMNH). – R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae).

799. *triangulata* Cresson

Cerceris triangulata Cresson, 1865a:154, ♀. Holotype: ♀, Cuba: no specific locality(IZAC). – Cresson, 1865c:123 (in revision of North American Philanthinae); Packard, 1866:62 (bibliographic reference, known from Cuba); Schletterer, 1887:504 (in checklist of world *Cerceris*); Dalla Torre, 1897:478 (in catalog of

world Hymenoptera); Ashmead, 1900:307 (in checklist of Caribbean Hymenoptera); Cresson, 1916:101 (holotype in Gundlach collection); Giner Marí, 1943c:332 (in revision of Cuban *Cerceris*); Alayo Dalmau, 1968a:8 (in revision of Cuban Sphecidae), 1973:190 (in catalog of Cuban Hymenoptera), 1976:15, 16 (in key to Cuban *Cerceris*), 31 (in checklist of Cuban Sphecidae); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); G. Ferguson, 1984c:496 (in annotated list of North American and Caribbean *Cerceris*); Fernández, Garcés, Portuondo, Valdés and Expósito, 2001:1022 (collected on weed flowers in Botanical Garden of Santiago de Cuba); Amarante, 2002:62 (in catalog of Neotropical Crabronidae); Fernández, Saríol, Vega, Ricardo, González, and Portuondo, 2002:46 (Cuba: Provincia Granma); Portundo and Fernández, 2004:134 (Cuba: Sierra Maestra); Amarante 2005a:13 (correction to his 2002 catalog); Genaro, 2006:58 (in checklist of Cuban Sphecidae and Crabronidae; also: Isla de la Juventud).

Cerceris bilunata Cresson, 1865a:155, ♂. Lectotype: ♂, Cuba: no specific locality (ANSP), designated by Cresson, 1916:99. Synonymized with *Cerceris triangulata* by Alayo Dalmau, 1968a:8. – Cresson, 1865c:123 (in revision of North American Philanthinae); Packard, 1866:60 (in key to North American *Cerceris*), 62 (bibliographic reference, known from Cuba); Schletterer, 1887:487 (in checklist of world *Cerceris*, as *bilinieata*); Dalla Torre, 1897:453 (in catalog of world Hymenoptera); Ashmead, 1900:307 (in checklist of Caribbean Hymenoptera); Giner Marí, 1943c:329 (in revision of Cuban *Cerceris*).

800. *triangularis* Reyes

Cerceris triangularis Reyes, 1986:110, ♀, ♂. Holotype: ♀, Philippines: Luzon: Abatan 60 km south of Bontoc (Bishop Mus.). – Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:48, 51 (in key to *Cerceris* of Philippines), 69 (additional description).

801. *trica* Fritz and Mariluis

Cerceris trica Fritz and Mariluis, 1976:103, ♂. Holotype: ♂, Argentina: Salta: Yacochuya (Instituto Miguel Lillo). – Amarante, 2002:62 (in catalog of Neotropical Crabronidae), 2005a:13 (correction to his 2002 catalog).

802. *trichionota* Cameron

Cerceris trichionota Cameron, 1908a:275, ♂. Lectotype: ♂, Tanzania: Mount Meru lowlands: Ngare na nyuki (NRS), designated by Empey, 1983:189 (Article 74.6). – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:199 (original description copied); Empey, 1969a:323 (in checklist of Afrotropical *Cerceris*), 1974:117 (taxonomic history, description of ♀); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Empey, 1983:189 (bibliographic reference, type examined).

ssp. *ovambo* Empey

Cerceris kalaharica ovambo Empey, 1972:58, ♀, ♂. Holotype: ♀, Namibia: Outjo District: Kamanjab (SAM). – R. Bohart and Menke, 1976:582 (in checklist of world Sphecidae). – **As *Cerceris trichionota ovambo***: Empey, 1974:119 (new subspecific generic assignment); R. Bohart and Menke, 1976:628 (in checklist of world Sphecidae); Empey, 1983:189 (bibliographic reference, type examined).

ssp. *somereni* Empey

Cerceris trichionota somereni Empey, 1974:119, ♀. Holotype: ♀, Kenya: Nyeri (BMNH). – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae); Empey, 1983:190 (bibliographic reference, type examined).

803. *trichiosoma* Cameron

Cerceris trichiosoma Cameron, 1890a:127, ♂. Holotype or syntypes: ♂, Mexico: Durango: Ciudad (BMNH). – Dalla Torre, 1897:478 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Scullen, 1972:97 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); G. Ferguson, 1984c:496 (in annotated list of North

American and Caribbean *Cerceris*); Amarante, 2002:62 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

804. *trichobunda* Strand

Cerceris trichobunda Strand, 1913b:163, ♀. Holotype: ♀, Taiwan: Suisharyo (DEI). – Strand, 1927:253 (in list of species described by author); Giner Marí, 1943d:217 (redescription); Tsuneki, 1970c:2 (in key to *Cerceris* of Taiwan), 23 (Taiwan, redescription of ♀); Oehlke and Wudowenz, 1974:426 (holotype in DEI); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Tsuneki, 1977j:263 (Taiwan: Taihorin; description of ♂); Porter, Stange, and Wang, 1999:14 (in checklist of Sphecidae of Taiwan); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

805. *tricolor* F. Smith

Cerceris tricolor F. Smith, 1856:462, ♀, ♂. Syntypes: Brazil: Pará: Santarém (BMNH). – Schletterer, 1887:504 (in checklist of world *Cerceris*); Dalla Torre, 1897:479 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:688 (in checklist of world Sphecidae); Amarante, 2002:62 (in catalog of Neotropical Crabronidae).

806. *tricolorata* Spinola

Cerceris tricolorata Spinola, 1839:493, ♀. Holotype or syntypes: ♀, Egypt: no specific locality (Torino). – Schletterer, 1887:481 (original description copied), 504 (in checklist of world *Cerceris*); Ed. André, 1889:321 (in revision of Sphecidae of Europe and Algeria), 1891:30* (bibliographic references); Dalla Torre, 1897:479 (in catalog of world Hymenoptera); nec Mochi, 1938:190 (= *Cerceris hathor*); nec Giner Marí, 1941b:174 (= *Cerceris hathor*); nec de Beaumont, 1950f:397 (= *Cerceris hathor*); de Beaumont, 1951b:176 (study of holotype), 1951f:338 (Egypt to Morocco; diagnostic characters), 1953g:122 (Morocco: Goulimine), 1956a:186 (Chad, Libya), 1957b:133 (northern Iran), 1958b:59 (Algeria: Tassili des Ajjer); de Beaumont and Bytinski-Salz, 1959:122 (Israel); de Beaumont, 1961e:3 (Iraq); Pulawski, 1964:73 (Egypt: Kom Osheim); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); Guichard, 1980:230 (Oman); Roche, 1981:5 (in checklist of Sphecidae of United Arab Emirates); Empey, 1983:190 (bibliographic reference, synonymy, as *tricolorata tricolorata*); Guichard, 1993a:161 (Arabian Peninsula); Roche and Zalat, 1994:117 (Egypt: Sinai Peninsula); K. Schmidt, 2000:95 (in revision of Western Palearctic *Cerceris*); Gadallah and Assery, 2004a:218 (in key to Sphecidae of Jeddah Region, Saudi Arabia), 236 (in catalog of Sphecidae of Saudi Arabia: Hadasham 120 km east of Jeddah); Roche, 2007a:134 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Ghazi-Soltani, Ebrahimi, Iranipour, and Pour Abad, 2010:801 (Iran: East Azarbaijan: Marand: Yam); Schmid-Egger, 2011b:517 (United Arab Emirates: Dubai/al-Awir, Wadi Wurayah), 520 (color photograph of male); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:359 (in new catalog of Sphecidae of Saudi Arabia); Ebrahimi, 2014:47 (Iran: Sistān-Baluchestān: Irānshahr: Bampur: Sardegāl); Pagliano, 2014:113 (specimen in M. Spinola collection, Torino, as *ricolorata*, is holotype of *Cerceris tricolorata*); Augul, 2017:200 (recorded from Iraq by Morice, 1921 and Derwesh, 1965 as *Cerceris insignis*); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:81 (Iran: known from East Azerbaijan, Sistan-o Baluchestan, and Tehran provinces); Dollfuss, 2018:1168 (locality records from Algeria, Iran, Jordan, Morocco, Oman, Pakistan, Turkey, and United Arab Emirates); Madl, 2018:942 (in catalog of Hymenoptera of Djibouti); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:19 (Iran: known from East Azerbaijan, Kerman, Sistan-o Baluchistan, and Tehran Province, as *tricolorata tricolorata*); Ben Khedher, Yildirime, and Braham, 2020c:545 (recorded from Tunisia by Schmidt, 2000:96, but without specific locality) Gadallah, 2020b:66 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021a:960 (Oman: Dhofar: 13 km north of Mirbat: Jebel Samhan at 17.111°N 54.711°E, and 17 km west of Súr), 2021c:626 (locality records from Algeria, Ethiopia, Iran, Israel, Jordan, Morocco, Oman, Syria, Turkey, United Arab

Emirates, and Yemen); Kaplan and Yildirim, 2021:101 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:52 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:298 (United Arab Emirates: locality records, as *tricolorata* Mochi); Dollfuss, 2023a:411 (Oman); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey); Madl, 2023:257 (in catalog of Crabronidae of Eritrea); Gadallah and Abu El-Ghiet, 2024:90 (Saudi Arabia: Jazan Province: Abu Arish, Fayfa); Malash Edmardash, and Gadallah, 2024a:4 (in key to Western Palearctic members of *Cerceris bupresticida* species group), 22 (in revision of Western Palearctic members of *Cerceris bupresticida* species group).

Cerceris vidua Klug, 1845:[29], pl. 47, fig. 11, ♂. Holotype or syntypes: ♂, Saudi Arabia: no specific locality (ZMHU). Synonymized with *Cerceris tricolorata* by de Beaumont, 1951b:177. – F. Smith, 1856:444 (in catalog of Hymenoptera in British Museum); Walker, 1871:27 (Sinai: Wadi Feiran; Djibouti: Tajura; and Red Sea coast of Africa: Harkeko); Ritsema, 1874:198 (redescription); Schletterer, 1887:506 (in checklist of world *Cerceris*); Ed. André, 1889:267 (in revision of Sphecidae of Europe and Algeria), 1891:27* (bibliographic references); Dalla Torre, 1897:481 (in catalog of world Hymenoptera); Morice, 1897:304 (Egypt; description of ♂); Bingham, 1898a:109 (Yemen: Aden); Innes Bey, 1912:113 (specimens recorded by Walker, 1871, now destroyed by dermestids, were collected at Wadi Feiran and Tajura); nec Honoré, 1941:150 and 1942:69 (= *Cerceris hathor*); Giner Marí, 1941b:227 (in revision of North African *Cerceris*); D. Baker, 1997b:183 (in catalog of insects described by Klug, 1945).

Cerceris insignis Klug, 1845:[29], pl. 47, fig. 12, ♀. Holotype or syntypes: Saudi Arabia: no specific locality (ZMHU). Synonymized with *Cerceris tricolorata* by de Beaumont, 1951b:177. – F. Smith, 1856:444 (in catalog of Hymenoptera in British Museum); Schletterer, 1887:472 (original description copied), 494 (in checklist of world *Cerceris*); Ed. André, 1889:322 (in revision of Sphecidae of Europe and Algeria), 1891:30* (bibliographic references); Dalla Torre, 1897:463 (in catalog of world Hymenoptera); Bingham, 1898a:109 (Yemen: Aden); Morice, 1911:77 (Algeria: Biskra; redescription), 1921:77 (Iraq: Amara); Honoré, 1941a:151 (Egypt); Derwesh, 1965:70 (Iraq) : no specific locality; D. Baker, 1997b:183 (in catalog of insects described by Klug, 1945).

As *Cerceris alboatra*: Mochi, 1938:187 (in revision of Egyptian *Cerceris*), corrected to *Cerceris tricolorata* by de Beaumont, 1951b:176; Honoré, 1941a:150 (sexe correspondence accepted by Mochi, 1938:187 is correct), corrected to *Cerceris tricolorata* by de Beaumont, 1951b:179.

Cerceris congesta Giordani Soika, 1942:203, ♂. Holotype: ♂, Somalia: Iscia Baidoa (Univ. Torino). Synonymized with *Cerceris tricolorata* by Empey, 1983:190. – Empey, 1969a:303 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae).

Cerceris bulloni Giner Marí, 1945e:226, ♀. Holotype: ♀, Mrocco: Western Sahara: Tuisguirrentz (MNCN), name proposed for *Cerceris insignis* of Morice, 1911:77. Synonymized with *Cerceris tricolorata* by de Beaumont, 1951b:176. – Giner Marí, 1947:20 (Spanish Sahara, now Mrocco: Western Sahara; additional description).

ssp. *amaura* Schletterer

Cerceris amaura Schletterer, 1891:16, ♀. Holotype: ♀, Zaire: Equateur Province: no specific locality (Inst. Roy. Sci. Natur. Bruxelles). – Dalla Torre, 1897:450 (in catalog of world Hymenoptera, authorship incorrectly attributed to Kohl); Arnold, 1930:12 (in checklist of Afrotropical Sphecidae, authorship incorrectly attributed to Kohl), 1931:200 (original description translated into English, authorship incorrectly attributed to Kohl). – **As *Cerceris nigrifrons amaura***: Empey, 1969a:316 (new status, in checklist of Afrotropical *Cerceris*, authorship incorrectly attributed to Kohl); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae, authorship incorrectly attributed to Kohl). – **As *Cerceris tricolorata amaura***: Empey, 1983:190 (new subspecific generic assignment, bibliographic reference, authorship incorrectly attributed to Kohl); Dollfuss, 2020a:106 (locality records from Central African Republic).

Cerceris theryi Arnold, 1932:11, ♀ (as *Theryi*, incorrect original capitalization). Holotype: ♀, Zaire: Gundji (SAM). Synonymized with *Cerceris nigrifrons amaura* by Empey, 1969a:316.

Cerceris nigrifrons ancilla Arnold, 1942:7, ♀, ♂. Lectotype: ♀, Liberia: Gbanga (SAM), designated by Empey, 1983:190. Synonymized with *Cerceris nigrifrons amaura* by Empey, 1969a:316.

ssp. *nigrifrons* F. Smith

Cerceris nigrifrons F. Smith, 1856:450, ♂. Holotype or syntypes: ♂, Africa: no specific locality (BMNH). – Schletterer, 1887:498 (in checklist of world *Cerceris*); Dalla Torre, 1897:468 (in catalog of world Hymenoptera); Cameron, 1905m:225 (South Africa, color variation, morphological characters); Brauns, 1926:319 (in revision of Afrotropical *Cerceris*); Arnold, 1930:11 (in checklist of Afrotropical Sphecidae), 1931:142, 144 (in key to Afrotropical *Cerceris*), 1942:plate I fig. 11 (male genitalia); Leclercq, 1955i:411 (Rwanda); Empey, 1969a:316 (in checklist of world Sphecidae); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae); Gess, 1980a:86 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown; prey: buprestid beetles according to Brauns, 1926:320), 1981:21 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown; nesting in sandy soils; as *nigrifrons nigrifrons*); S. Gess and F. Gess, 2003:133 (South Africa: visiting flowers of *Berula erecta* (Hudson) Cov., *Deverra denudata* (Viv.) Pfisterer and Podl., and *Feniculum vulgare* Mill., Apiaceae, *Maytenus linearis* (L. f.) Marais, Celastraceae, and *Acacia karroo* Haynes, Fabaceae, as *nigrifrons nigrifrons*). – **As *Cerceris tricolorata nigrifrons***: Empey, 1983:190 (new status, bibliographic reference, type examined); Dollfuss, 2020a:105 (locality records from BotswaNA, Kenya, Mali, Mozambique, Namibia, South Africa, Tanzania, Zambia, and Zimbabwe); Madl, 2023:257 (in catalog of Crabronidae of Eritrea).

Cerceris trivialis Gerstaecker *in* Peters, 1858:510, ♀. Holotype or syntypes: Mozambique: no specific locality (ZMHU). Synonymized with *Cerceris nigrifrons* by Brauns, 1926:320. – Schletterer, 1887:504 (in checklist of world *Cerceris*); Magretti, 1884c:598 (Eritrea: Keren; Ethiopia: Metemma); Dalla Torre, 1897:479 (in catalog of world Hymenoptera); Brauns, 1926:320 (in Berlin Museum this species (*nigrifrons*) is under the name *trivialis*).

Cerceris trivialis Gerstaecker, 1862:475, ♀. Objective synonym of *Cerceris trivialis* Gerstaecker, 1858.

Cerceris erythrospila Cameron, 1910:148, ♂. Holotype or syntypes: ♂, South Africa: Kalahari: no specific locality (originally TMP, now missing: Empey, 1983:190). Synonymized with *Cerceris nigrifrons* by Empey, 1969a:316. – Bischoff, 1913b:119 (Botswana: Sevrelela in Kakia District); Arnold, 1931:197 (original description copied); Empey, 1974:106 (synonymy confirmed); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae).

Cerceris ventriloba Brauns: Empey, 1983:190. Nomen nudum, as synonym of *Cerceris tricolorata nigrifrons*.

807. *tridentata* Maidl

Cerceris tridentata Maidl, 1926:226, ♀. Holotype: ♀, Indonesia: Sumatra: no specific locality (RMNH). – R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae).

808. *trifasciata* F. Smith

Cerceris trifasciata F. Smith, 1856:441, ♀. Holotype or syntypes: ♀, Polish Ukraine: now western Ukraine: no specific locality (BMNH?). – Kirchner, 1867:221 (in catalog of European Hymenoptera); Schletterer, 1887:481 (original description copied), 504 (in checklist of world *Cerceris*); Dalla Torre, 1897:479 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Haris, 2016:14 (in list of species described by F. Smith from Carpathian Basin).

809. *trifida* Evans

Cerceris trifida Evans, 1982a:375, ♀, ♂. Holotype: ♀, Australia: Queensland: 48 km south of Cunnamulla (ANIC). Paratypes: New South Wales, South Australia, Victoria. – Cardale, 1985:302 (in catalog of Australian Sphecidae).

810. *trimaculata* Maidl

Cerceris trimaculata Maidl, 1926:234, ♂. Holotype: ♂, Indonesia: Java: no specific locality (NHMW). – von Schulthess, 1935:305 (Indonesia: Java: Buitenzorg, now Bogor); van der Vecht, 1964:356 (in revisions of Javan *Cerceris*); Tsuneki, 1968f:22 (Philippines); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Tsuneki, 1984b:55 (Philippines); Tsuneki, Nozaka, Tano, Kurokawa, and Murota, 1992c:45, 49 (in key to *Cerceris* of Philippines), 63 (bibliographic references); Dollfuss, 2020b:123 (Indonesia: western Java: Janlappa Nature Reserve near Diasinga).

811. *trinitaria* Alayo Dalmau

Cerceris trinitaria Alayo Dalmau, 1968a:10, ♀, ♂. Syntypes: Cuba: Trinidad (IZAC). – Alayo Dalmau, 1973:191 (in catalog of Cuban Hymenoptera), 1976:15, 16 (in key to Cuban *Cerceris*), 31 (in checklist of Cuban Sphecidae); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); G. Ferguson, 1984c:496 (in annotated list of North American and Caribbean *Cerceris*); Reyes and Hernández, 1995:3 (holotype in Inst. Ecol. Sist., La Havana, Cuba); Amarante, 2002:62 (in catalog of Neotropical Crabronidae); Hidalgo-Gato González, Reyes Sánchez, Mestre Novoa, Fernández García, Rodriguez-León Merino, Rodríguez Velázquez, Genaro Artola, and Fontenla Rizo, 2002:29 (holotype deposited at IZAC); Genaro, 2006:58 (in checklist of Cuban Sphecidae and Crabronidae), 2017:10 (in list of Antillean *Cerceris*).

812. *tristior* Morice

Cerceris tristior Morice, 1911:91, ♀. Syntypes: ♀, Algeria: Constantine (OXUM). – Giner Marí, 1941b:230 (in revision of North African *Cerceris*; description of ♂); de Beaumont, 1951f:350 (Algeria, Morocco, Tunisia; comparison with *Cerceris stratiotes*, hindtibial spines inconspicuous), 1953g:122 (Morocco: Tiznit); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); K. Schmidt, 2000:89 (in revision of Western Palearctic *Cerceris*); Dollfuss, 2018:1168 (Morocco: Oued Issène 35 km east of Agadir at 30°30'N 9°17'W); Ben Khedher, Yildirime, and Braham, 2020c:545 (Tunisia: summary of previous records, new locality records from Kebili, Mahdia, and Tataouine provinces); Dollfuss, 2021c:627 (Morocco: several localities; Tunisia: Sousse: Friguia 30 km southwest of Hammanet); Malash, Edmardash, and Gadallah, 2022:53 (in catalog of Middle Eastern and North African Philanthinae).

813. *truncata* Cameron

Cerceris truncata Cameron, 1890a:121, ♀, ♂. Lectotype: ♀, Mexico: northern Yucatán: Temax (BMNH), designated by G. Ferguson, 1984b:440. – Dalla Torre, 1897:479 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Werner, 1960:43 (prey: Bruchidae; nesting site); Scullen, 1965b:396 (in revision of North American *Cerceris*); Scullen and Wold, 1970:213 (distribution and summary of prey records); Scullen, 1972:36 (in revision of Mexican and Central American species); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Krombein, 1979b:1737 (in catalog of North American Hymenoptera, nesting sites, list of prey); G. Ferguson, 1984c:496 (in annotated list of North American and Caribbean *Cerceris*); Hook, 1987:108 (nesting habits); Amarante, 2002:62 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Horta Vega, Pinson Domínguez, Barrientos Lozano, and Correa Sandoval, 2007: 45 (Mexico: Tamaulipas); Horta-Vega, Vanoye-Eligio, García-Gutiérrez, Coronado-Blanco, and Barrientos-Lozano, 2013:382 (Mexico: Tamaulipas: Ciudad Victoria: Cañón del Novillo).

814. *tsavoensis* Dollfuss

Cerceris tsavoensis Dollfuss, 2023b:342, ♀, ♂. Holotype: ♀, Kenya: Coast Province: Tsavo National Park near Voi (OÖLM). Paratypes: Ethiopia, Tanzania.

815. *tshontandae* Arnold

Cerceris tshontandae Arnold, 1946:82, ♀. Holotype: ♀, Zimbabwe: Tshontanda in Wankie District, now Hwangie District (SAM). – Empey, 1969a:323 (in checklist of Afrotropical *Cerceris*); R. Bohart and

Menke, 1976:588 (in checklist of world Sphecidae); Empey, 1983:190 (bibliographic reference, type examined, as *tsontandae*).

816. *tuberculata* (de Villers)

Crabro rufipes Fabricius, 1787:297, ♂, junior secondary homonym of *Vespa rufipes* Fabricius, 1775 in the following generic assignment: *Vespa rufipes* (Fabricius, 1787) Gmelin, 1789:2764. Syntypes: ♂, Spain: no specific locality (ZMUC). Synonymized with *Cerceris tuberculata* by Dahlbom, 1845:XXIV. – Olivier, 1792:516 (redescription). – **As *Sphex rufipes***: de Villers, 1789:235, 246 (new generic assignment, redescription, southern France). – **As *Vespa rufipes***: Gmelin, 1790:2764 (new generic assignment, in synonymy of *Vespa hispanica*, secondary junior homonym of *Vespa rufipes*). – **As *Philanthus rufipes***: Fabricius, 1790:225 (new generic assignment, redescription), 1793:290 (redescription), 1796:137 (in Index to his Entomologia Systematica, 1793), 1804:303 (redescription); Spinola, 1806:99 (as synonym of *Cerceris interrupta*); Thunberg, 1815a:128 (diagnostic characters), 138 (redescription), 1815b:290 (diagnostic characters), 298 (redescription). – **As *Cerceris rufipes***: Lepeletier de Saint Fargeau, 1845:10 (new generic assignment, in revision of world Hymenoptera); Eversmann, 1849:408 (Russia: Astrakhan', Orenburg, and Saratov Provinces); Becker, 1880:151 (Russia: Sarepta, now Krasnoarmeysk south of Volgograd); Magretti, 1882b:160 (Italy: Sardegna); Marquet, 1881:189 (France: Hérault: Cette, now Sète); De Stefani Perez, 1895:227 (in catalog of Sicilian Hymenoptera); Dalla Torre, 1897:479 (in catalog of world Hymenoptera); W. Schulz, 1904b:94 (Kazakhstan: Semipalatinsk, now Semey; Russia: Yekaterinodar, now Krasnodar); de Gaulle, 1908:104 (in catalog of French Hymenoptera); Mercet, 1914:445 (recorded from Spain); Shestakov, 1927a:17 (Russia: Orenburg Oblast'), 19 (Stalingrad Oblast', now Volgograd Oblast', as *tuberculaia*), 19, 20 (Russia: Ural'sk Oblast', now Kazakhstan: Oral Oblast'); Vorontsovskiy, 1930:65 (Russia: Orenburg Oblast'); de Beaumont, 1950c:318 (interpretation of species), 1951f:390 (occurrence in Africa doubtful), 1952a:79 (in revision of *Cerceris* of France); Hertzog, 1954:100 (France: Bouches-du-Rhône: Camargue); Bajári, 1956a:85 (in catalog of Hungarian *Cerceris*, with list of localities); Bytinski-Salz, 1956:225 (Turkey: Karapınar); Hertzog, 1956:182 (carrying prey venter up, keeping it with mandibles by one of forelegs); Morel, Nouvel, and Ribaut, 1956:337 (France: Département des Pyrénées-Orientales); Bajári, 1957a:35, 43 (in key to Hungarian Sphecidae); de Beaumont, 1957b:134 (northern Iran); Grandi, 1957:345 (on flowers of *Eryngium maritimum* L. and *Echinophora spinosa* L., both Apiaceae; prey: *Cleonus piger* Scopoli, Curculiondae), 388 (Italy); de Beaumont, 1958d:273 (Greece: Island of Crete); Pulawski, 1958a:167 (Bulgaria: Aitos, Kurilo); de Beaumont and Bytinski-Salz, 1959:130 (Israel; geographic variation); Suárez, 1959:54 (Spain: Almería Province); de Beaumont, 1960a:9 (Greece: Island of Rhodes), 1961c:46 (Greece: Island of Crete); Grandi, 1961:180 (nesting habits); van der Vecht, 1961a:66 (study of type material); de Beaumont, 1962b:21 (Spain: Lerida); Grandi, 1962:58 (the northernmost locality in Italy: Emilia-Romagna: Ronzano), 98 (Italy); Ceballos, 1964:89 (in supplement to catalog of Spanish Sphecidae); de Beaumont, 1965a:22 (Greece); Tsuneki, 1965d:3 (prey record summary: Curculionidae); Diniz, 1966:8 (Portugal: Ajuda, Aljustrel); Scobiola-Palade, 1966b:391 (Romania: Tulcea District: Chilia Veche, Periprava); de Beaumont, 1967a:291 (Turkey); Scobiola-Palade, 1967b:40 (Romania), 1968b:141 (Romania: Island of Letea in delta of Danube), 1968c:383 (Romania: Brănesti); Romanova, 1969:133 (Russia: North Caucasus); de Beaumont, 1970c:7 (Iran: Khorassan); Scobiola-Palade, 1971:206 (in review of *Cerceris* of Romania); Balthasar, 1972:402 (in Sphecid Fauna of Czechoslovakia); Kazenas, 1972b:130 (Kazakhstan); Myartseva, 1972a:93 (Turkmenistan), Kazenas, 1974b:109 (feeding on flowers of *Cynanchum sibiricum* Willd., Asclepiadaceae, in Kazakhstan); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Kazenas, 1978b:69, 70 (in key to Sphecidae of Kazakhstan and Central Asia); Scobiola-Palade, 1985:96 (Romania: delta of Danube); Pádr *in* Šedivy, 1989a:166 (in checklist of Czechoslovakian Sphecidae); Blagoveshchenskaya, 1994:91 (Russia: Ul'yanovsk Oblast').

Sphex tuberculatus de Villers, 1789:253. Substitute name for *Vespa rufipes* (Fabricius, 1787) Gmelin, 1789:2764 (Article 59.3: a junior secondary homonym replaced before 1961 is permanently invalid). – **As *Cerceris***

tuberculata: Germar, 1817:261 (new generic assignment, Dalmatia: Arbe and Spalatro, now Croatia: Rab and Split); Vander Linden, 1829:110 (bibliographic references, southern Europe); Dahlbom, 1844:220 (in revision of Sphecidae and Pompilidae), 1845:501 (in key to world *Cerceris*); Dufour, 1855:262 (one of the *Cerceris* observed by J. H. Fabre); F. Smith, 1856:439 (in catalog of Hymenoptera in British Museum); A. Costa, 1860:7 (Italy: in revision of Sphecidae of Kingdom of Naples); von Frauenfeld, 1861:103 (Croatia: Dalmatia: no specific locality); Sichel, 1861:752 (Italy: Sicilia); A. Costa, 1863:66 (Italy: Calabria Ulteriore: Brancaleone, Reggio), 1867c:79 (in revision of Italian Sphecidae); Kirchner, 1867:221 (in catalog of European Hymenoptera); A. Costa, 1869b:95 (in revision of Italian Sphecidae); Palma, 1869:42 (Italy: Sicilia settentrionale); Radoszkowski, 1870:103 (synonyms listed); P. Ivanov, 1872:152 (Ukraine: Kharkov Oblast': Kupyansk area); Ghiliani, 1873 (Italy: Piemonte: Susa); Dours, 1874:144 (in catalog of Hymenoptera of France); Marquet, 1875:205 (France: Hérault: Cette, now Sète); Mocsáry, 1874:120 (Siebenbürgen, now Romania: Transylvania: no specific locality); Girard, 1879:922 (morphology and habits); Yaroshevskiy, 1881:123 (Ukraine: Khar'kiv Oblast': Khar'kiv); Mocsáry, 1884:222 (Hungary: Budapest, Jassenova; Romania: Transylvania: Mezőség); De Stefani Perez, 1886:171 (Italy: Sicilia: monte di Renda near Palermo); Gasperini, 1887:17 (Dalmatia: Zara, now Croatia: Zadar); Schletterer, 1887:4 (in revision of Palearctic *Cerceris*), 504 (in checklist of world *Cerceris*); Ed. André, 1889:281, 285, 298, 325, 328, 332 (in revision of Sphecidae of Europe and Algeria), 23* (bibliographic references); Gasperini, 1889:69 (Dalmatia: Lesina, now Croatia); Kohl and Handlirsch, 1889:278 (Turkmenistan: Krasnsovodsk); Schletterer, 1889a:901 (locality records); F. Morawitz, 1891a:217 (Russia: Astrakhan' Governorate); Baldini, 1894:56 (Italy: Modena area); Medina, 1894b:262 (Spain: Sevilla and Puerto Real); Schletterer, 1894:34 (Istria Peninsula, now part of Croatia, Slovenia, and Italy); O. Schultz, 1896:362 (L. Dufour's observation reported); Acloque, 1897:81 (in Sphecid Fauna of France and Algeria); Borries, 1897:52 (review of nesting habits); nec Morice, 1897:304 (= *Cerceris solitaria*); Mocsáry, 1897:81 (Kingdom of Hungary, some localities are in today's Romania, and Slovakia); Antiga and Bofill, 1904:21 (Spain: Cataluña Province); Schmiedeknecht, 1907:239, 242 (in key to Hymenoptera of Central Europe); Graeffe, 1911:48 (Italy: Trieste area); Rudow, 1912:67 (preying on scarabaeid beetle *Hoplia*); Kohl, 1913b:15 (Russia: Voronezh Oblast': Valuyki at 50°14'N 38°08'E); Szilády, 1914:89 (Hungary: Torda); Kohl, 1916:125 (specimens in O. Radoszkowski collection, Kraków); Shestakov, 1916:234 (Caucasus), 1917c:48 (Ukraine: Crimea), 1918a:154 (Kazakhstan and Transcaspia); Berland, 1921:533 (Greece); Fahringer, 1922:179 (Turkey); Maidl, 1922:69 (Albania, Montenegro); Shestakov, 1922:81 (Russia: Stavropol' area); Berland, 1925d:57 (in Sphecid Fauna of France); Coulon, 1925:117 (Spain); Friese, 1926:156, 157 (illustrations of nest site and of prey); Shestakov, 1927a:10 (Ukraine: Poltava Oblast'); Berland, 1928b:176 (France: Basses-Alpes: Manosque); Vorontsovskiy, 1928:43 (Russia: vicinity of Orenburg); A. Müller, 1930:181 (Bessarabia: Tarutino, may be in Moldova or Ukraine); Schmiedeknecht, 1930:700, 702 (in keys to Hymenoptera of North and Central Europe); Giordani Soika, 1932a:21 (Italy: Lido di Venezia); Motaş, 1932:8 (nesting habits, from literature); Molitor, 1933b:101 (Austria: Burgenland: Neusiedlersee area); Giner Marí, 1934:131 (Spain); Grandi, 1935a:111 (Italy); Gussakovskij, 1935:445 (Tajikistan: Kulab area); Kolosov, 1937:219 (Ukraine: Kupyansk); Zavadil, 1937a:73 (eastern Slovakia); Zavadil, Šustera, and Bat'a, 1937:209 (in catalog of Sphecidae of Czechoslovakia); Deleurance, 1941:276 (France: Camargue; the curculionid *Cleonus ophtalmicus* is the only prey); Giner Marí, 1941a:36 (in revision of Spanish *Cerceris*), 1941b:233 (in revision of North African *Cerceris*), 1943a:97 (in Sphecid Fauna of Spain); Guiglia, 1943d:91 (Albania: Scutari); Giordani Soika, 1944:12 (Italy: Sicilia: Falcone); de Beaumont, 1947b:386 (Cyprus); Balthasar, 1948:143 (Slovakia: Nove Mesto, Parkan); Šnoflák *in* Zavadil and Šnoflák, 1948:88, 95 (in key to Sphecidae of Czechoslovakia); de Andrade, 1949:11 (Portugal: Lisboa); de Beaumont, 1950c:318 (interpretation of species); Pittioni, 1950:22 (Cyprus); Zavadil, 1951:86 (Slovakia: Kovačov); Grandi, 1954:237 (Italy); Atanassov, 1955:203 (Bulgaria: four localities); Vogrin, 1955:33 (Yugoslavia); Ceballos, 1956:372 (in catalog of Hymenoptera of Spain); Diniz, 1959:28 (Portugal: Lisboa); Scobiola-Palade, 1959:496 (Romania:

Constanţa Region: Techirghiol); Islamov, 1970:63, 64 (Uzbekistan: Chirchik Basin); Atanassov, 1972a:192 (Bulgaria: Stara Planina Mountains), 1972b:32, 49 (Bulgaria: Stara Planina Mountains); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Georghiou, 1977:190 (Cyprus); Pulawski, 1978:197 (in key to Sphecidae of European part of USSR); Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino); Mityaev, Matesova, Kulenova, Kazenas, and Zhdanko, 1980:122 (Russia: Siberia: Altayskiy Kray: basin of Aley River); Pagliano, 1980:126 (Italy: Veneto); Gayubo, 1983e:239 (Spain: Salamanca Province); Gayubo and Tormos, 1984:27 (Spain: Valencia); Islamov and Kazenas, 1983:45 (Uzbekistan); Kazenas, 1984a:205 (in revision of *Cerceris* of Kazakhstan and Central Asia); Chevin and Chevin, 1985:39 (France: Aude); Józan, 1985b:62 (Hungary: recorded from three localities by Bajári, 1956), 85 (ecological and zoogeographic characteristics); Islamov, 1986:520 (Uzbekistan: Tashkent Oblast'); Józan, 1986:375 (Hungary: Kiskunság National Park); Gayubo and Heras, 1986:75 (Spain: Valladolid Province; floral records); Piek and Spanjer, 1986:182 (in list of Sphecidae with known prey); Steiner, 1986:114 (references to publications on nesting habits); Pagliano, 1987:162 and 166 (in key to *Cerceris* of Italy), 1988:167 (in revision of Italian Philanthinae); Gayubo, Asís, and Tormos, 1990b:81 (Spain: Avila and Salamanca Provinces); Pagliano, 1990:101 (in catalog of Italian Sphecidae); Dollfuss, 1991:223 (in key to Sphecidae of North and Central Europe); Gayubo, Borsato, and Osella, 1991:424 (Italy); Gayubo and Torres, 1991:Table I (Spain: Salamanca; effects of urban pressure); Negrisolo and Pagliano, 1993:94 (Italy: Sardegna); Krasnobayev et al., 1995:138 (Russia: Zhiguli Hills northwest of Samara); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:8 (in catalog of Italian fauna); Pagliano and Pesarini, 1995:93 (Italy: Ferrara Province); Scharrer, 1995:31 (Croatia: Island of Krk; Slovenia: Portorož); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:371 (in Sphecid Fauna of Western Europe); Shkuratov, 1998a:97 (Russia: Rostov Oblast'); Esenbekova and Kazenas, 2000:80 (southeastern Kazakhstan: near Kapchagay, 5 km southest of village Kazakhstan); Ljubomirov, 2000:14 (Bulgaria, specimens in N. Nedelkov collection); K. Schmidt, 2000:190 (in revision of Western Palearctic *Cerceris*); Shkuratov, 2000:56 (Russia: Rostov Oblast': Vëshenskaya village area at 49°37'N 41°45'E); Vicidomini, 2000b:23 (Italy: previously recorded from Campania); Kazenas, 2001b:59 (in checklist of Sphecidae of Kazakhstan and Central Asia), 255 (review of known biology), 2001d:121 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:154 (geographic distribution, collecting localities in Kazakhstan); Shkuratov, 2002b:139 (Russia: Rostov Oblast': Rostovskiy Nature Reserve at 46°27'N 42°41'E); Kazenas, 2004b:113 (Kazakhstan: western Tien Shan), 2004d:38 (Kazakhstan: Eltay and Inderbrodskiy); Shkuratov, 2004a:74 (Russia: Rostov Oblast'), 2004b:165 (Russia: Rostov Oblast': Gosudarstvennyi Muzey-Zapovednik M.A. Sholokhova); Pagliano and Negrisolo, 2005:345 (in Sphecid Fauna of Italy); Shorenko, 2005a:169 (Ukraine: Crimea), 2005b:99 (Ukraine: Crimea: Karadagh Nature Reserve); Ebrahimi, 2006:1 (Iran); Gorobchishin, 2006:151 (Ukraine: Poltava Oblast': village Matviivka, Poltava); Standfuss and Standfuss, 2006b:100 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Tezcan, Yildirim, Anlaş, and Beyaz, 2006:58 (Turkey: Manisa: Alaşehir: Osmaniye, on flowers of *Origanum* sp., Lamiaceae); Kazenas, 2007a:94 (Kazakhstan: Akmala Oblast': Kurgandzhin Nature Reserve and vicinity); Vepřek and Straka, 2007:210 (in catalog of Sphecidae of Czech Republic and Slovakia); Danilov and Tshernyshev, 2008:44 (Russia: Novosibirsk Oblast': Karasuk area); Ljubomirov and Yildirim, 2008:159 (in catalog of Crabronidae of Turkey); Nemkov, 2008b:26 (in catalog of Crabronidae of Asiatic Russia); Baños-Picón, Asís, Gayubo, and Tormos, 2009:314 (Spain: frequency of specimens collected with hand nets and Malaise traps); Ivanov, Fateryga, and Filatov, 2009:42 (Crimea: Botanical Garden of Taurida University near Simferopol', collected in 1927); Shorenko, 2009:369 (in list of Sphecidae *sensu lato* of Crimea); Rudoiskatel', 2010:150 (Russia: southern Ural Mountains); Shorenko and Konovalov, 2010:30 (Ukraine: several localities); Tüzün and Yüksel, 2010:4476 (Turkey: Niğde Province); Baghirov, 2011b:155 (Russia: recorded from Altayskiy Kray by Kazenas, Mityaev, Matesova, Kulenova, and Zhdanko, 1979); Gogala, 2011:33 (Slovenia); Józan, 2011:184 (in checklist of Sphecidae *sensu lato* of Hungary); Murai and Amr, 2011:114, 118 (first record from Syria: Al Thawrah Nature Reserve at

35°51'N 28°38'E); Kazenas, 2012b:170 (Kazakhstan: Korgalzhin State Nature Reserve); Polidori, García, and Nieves-Aldrey, 2012:280 (study of female antennal sensillae); Prisniy, 2012:53 (Russia: Belgorod Oblast'); Yildirim, 2012:79 (Turkey: Tunceli: Mazgirt: Kalaycı); Dyuzhaeva, 2013:116 (Russia: Samara Oblast': Zhiguli Nature Reserve); Kazenas, 2013a:156 (color photographs of adult wasps, short information on geographic distribution and nesting habits); Ebrahimi, 2014:47 (Iran: Alborz: Tāleghān: Garāb: Asalak); Ghahari, Hayat, Lavigne, and Ostovan, 2014:1394 (prey of asilid fly *Eutolmus calopus* (Loew)), 1398 (prey of asilid fly *Machimus nevadensis* (Strobl)); Pagliano, 2014:105 (specimens in M. Spinola collection, Torino, are *Cerceris tuberculata*); Protsenko, Fateryga, and Ivanov, 2014:38 (Crimea: many localities); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces); Ivanov, Fateryga, and Filatov, 2015:301 (Crimea: Karadag Nature Reserve, protected species); Koçak and Kemal, 2015:141 (in checklist of Hymenoptera of Turkey); Protsenko and Gorobchishin, 2015:26 (in Red Book of Ukraine; map of locality records in Ukraine); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:27 (Turkey: Erzurum: Aydın: Atça, as *tuberculata tuberculata*); Mokrousov and Popov, 2016:593 (Russia: Krasnodarskiy Kray); Arens, 2017a:645 (Greece: Peloponnesus); Danilov and Mokrousov, 2017b:255 (in catalog of Philanthinae of Russia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:81 (Iran: known from Alborz, Mazandaran, Qazvin, and South Khorasan provinces); Shorenko, 2017:81 (in Crimea collected in June through August); Dollfuss, 2018:1168 (locality records from Bulgaria, Croatia, France, Greece, Hungary, Italy, Kazakhstan, Syria, Turkey, and Ukraine); Shorenko, 2018:131 (Crimea, including localities, habitats, and number of specimens); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:19 (Iran: known from Alborz, Mazandaran, Qazvin, South Khorasan, and Yazd provinces); Danilov, Odintseva, and Odintsev, 2021:21 (Russia: previously recorded from Omsk Oblast'); Örgel, Anlaş, and Tezcan, 2020:639 (Turkey: Manisa Province); Shorenko, 2020:49 (Crimea: Karadag Nature Reserve); Cross, Baldock, and Wood, 2021:67 (in catalog of Sphecidae *sensu lato* of Portugal); Dollfuss, 2021a:960 (France: Nîmes; Ukraine: Syvash), 2021c:627 (locality records from Greece, Croatia, Iran, Kazakhstan, Russia: Ural Mountains, Syria, Turkey, Turkmenistan, and Ukraine: Syvash); Kaplan and Yildirim, 2021:101 (in catalog of Crabronidae of Turkey, as *tuberculata tuberculata*); Martynova and Martynov, 2021:78 (nest parasites: *Hedychrum virens* Dahlbom, Chrysididae, and *Nemka viduata* (Pallas), Mutillidae), 80 (prey: *Asproparthenis carinata* (Zoubkoff), *Coniocleonus nigrosuturatus* (Goeze), *Cleonis pigra* (Scopoli), as *nigra*, and *Leucomigus candidatus* (Pallas), all Curculionidae); Malash, Edmardash, and Gadallah, 2022:53 (in catalog of Middle Eastern and North African Philanthinae); K. Schmidt and Bitsch *in* Bitsch, Antropov, Bouček, Dollfuss, Fernández Gayubo, and K. Schmidt, 2022:276 (in revision of Sphecidae *sensu lato* of Europe); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey, as *tuberculata tuberculata*); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:431 (Uzbekistan: distribution).

Vespa hispanica Gmelin, 1790:2764. Substitute name for *Vespa rufipes* (Fabricius, 1787) Gmelin, 1790:2764, nec *Vespa rufipes* Fabricius, 1775 (Article 59.3: a junior secondary homonym replaced before 1961 is permanently invalid).

Bembex ? vespoides Rossi, 1790:82, sex not stated. Holotype or syntypes: Italy: Etruria: now Toscana (destroyed). – **As *Crabro vespoides***: Rossi, 1792:137 (new generic assignment, Italy: Toscana: Pisa area). – **As *Cerceris vespoides***: Illiger, 1807b:134 (new generic assignment, synonymy, redescription); de Beaumont, 1950c:319 (unrecognizable from the description, possibly a male of *Cerceris tuberculata* or *flavicornis*).

Sphex caspius Gmelin, 1790:2735, [♀] (as *caspia*, incorrect original termination). Holotype or syntypes: ♀, Russia: Yayka steppe north of Caspian Sea (destroyed). Synonymized with *Cerceris tuberculata* by Bischoff, 1940:69. – Turton, 1801:497 (redescription, as *caspa);* Dalla Torre, 1897:418 (in catalog of world Hymenoptera).

Cerceris major Spinola, 1808:50, ♀, ♂. Syntypes: Italy: near Genova (Torino). Synonymized with *Cerceris tuberculata* by Lepeletier de Saint Fargeau, 1845:10. – Ghiliani, 1842:25 (listed from Italy: Sicilia: Palermo);

de Beaumont, 1951b:175 (study of syntypes; synonymy with *Cerceris tuberculata* confirmed); Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino); Pagliano, 2014:104 (specimens in M. Spinola collection, Torino, are *Cerceris tuberculata*).

Cerceris dufouriana Fabre, 1855:147, ♀, ♂ (as *Dufouriana*, incorrect original capitalization). Syntypes: France: Avignon area (MNHN?). Synonymized with *Cerceris tuberculata* by Dufour, 1855:262.

Cerceris gigantea Gistel *in* Gistel and Bromme, 1848:626, [♀]. Holotype or syntypes: ♀, Dalmatia, now Croatia: no specific locality (ZSBS). Synonymized with *Cerceris tuberculata* by K. Schmidt, 2000:190. – Strand, 1916c:98 (in review of Gistel, 1857).

Cerceris semirufa F. Smith, 1856:442, ♀. Holotype or syntypes: ♀, Russia: Siberia: no specific locality (BMNH). Synonymized with .. – Schletterer, 1887:478 (original description copied), 502 (in checklist of world *Cerceris*); Ed. André, 1889:326 (in revision of Sphecidae of Europe and Algeria), 1891:30* (bibliographic references); Dalla Torre, 1897:476 (in catalog of world Hymenoptera).

Cerceris gigantea Gistel, 1857:50, [♀]. Objective synonym of *Cerceris gigantea* Gistel, 1848. – R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae).

Cerceris rufipes cypria de Beaumont, 1958d:288, ♀, ♂. Holotype: ♀, Cyprus: Zakaki (Lausanne). Synonymized with *Cerceris tuberculata* by K. Schmidt, 2000:190. – **As *Cerceris tuberculata cypria***: R. Bohart and Menke, 1976:588 (new subspecific generic assignment, in checklist of world Sphecidae).

Le Cerceris tuberculé: Fabre, 1879:51 (nesting habits), 262 (experiments on homing).

ssp. *evecta* Shestakov

As *Cerceris tuberculata* var. *bicornuta*: Sickmann, 1894:204 (China: Hopei Province: Tientsin, also spelled Tianjin), corrected to *Cerceris tuberculata draco* by Shestakov, 1927b:31, and to *Cerceris rufipes evecta* by Tsuneki, 1961c:53.

Cerceris evecta Shestakov, 1918b:3, ♀, ♂. Syntypes: ♀, China: Tientsin, also spelled Tianjin (ZIN). – Gussakovskij, 1938:15 (Mongolia); Yasumatsu, 1940:31 (China: Nei Mongol: Kunshan-tagh Desert), 1942c:107 (China: Nei Mongol: Apaka at 44°N 114.96°E). – **As *Cerceris rufipes evecta***: Yasumatsu, 1942:107 (new status, China: Beijing and Apaka); Tsuneki, 1961c:12, 16 (in key to *Cerceris* of northeastern Asia), 53 (China: Peking, now Beijing; as new status), 63 (China: Heilungkiang: Harbin), 70 (China: Nei Mongol: Apaka ca. 45°N 116°E); nec Tsuneki, 1961c:71 and 1965d:39-40 (= *Cerceris morawitzi mongolensis*); Tsuneki, 1965d:36 (nesting habits), 1967e:2 (China: Heilungkiang); nec Tsuneki, 1968f:10 (= *Cerceris morawitzi mongolensis*); 1971m:19 (China: Beijing: Tiendang); Kazenas, 1978b:69 (in key to Sphecidae of Kazakhstan and Central Asia), 1979d:85, 87 (in key to *Cerceris* of Russian Far East). – **As *Cerceris tuberculata evecta***: R. Bohart and Menke, 1976:588 (new subspecific generic assignment, in checklist of world Sphecidae); Paik, 1985:203 (in list of Sphecidae of Korea); Nemkov, 1990c:85 (Russia: Buryat Republic: Chita Oblast'); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:473, 477 (in key to Sphecidae of Russian Far East); Wu and Zhou, 1996a:170 (in revision in Economic Insect Fauna of China); Q. Li and He, 2004:1114 (in hymenopterous fauna of Zhejiang Province, China); He, 2006:143 *in* X. Chen and J. He (description, habits, distribution, illustration of habitus); Nemkov, 2009b:153 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia); Akulov and Proshchalykin, 2013:119 (Russia: Siberia: Krasnoyarsk Kray: Minusinsk); X. Li, L. Ma, and Q. Li, 2013:594 (China: Nei Mongol: Helan Mountains); J.-K. Kim, 2014:450 (in catalog of Sphecidae *sensu lato* of Korean Peninsula); Dollfuss, 2021c:627 (Mongolia: several localities). – ***As Cerceris umbinifera evecta*** [*sic*]: Hua, 2006:278 (new subspecific generic assignment, in list of Chinese insects, geographic distribution).

Cerceris hunchuz Shestakov, 1927b:31, ♀. Holotype: ♀, China: Heilungkiang: valley of river Dalya-o-he (ZIN). Synonymized with *Cerceris tuberculata evecta* by .. (R. Bohart and Menke, 1976:588 recognize this synonymy).

Cerceris draco Shestakov, 1927b:31. Substitute name for *Cerceris tuberculata* var. *bicornuta* of Sickman, 1895:204. Synonymized with *Cerceris rufipes evecta* by Tsuneki, 1971m:19.

Cerceris mickeli Giner Marí, 1942b:136, ♂, ♀. Syntypes: China: Kwangtseh (Mus. A. Koenig, Bonn). Synonymized with *Cerceris rufipes evecta* by Tsuneki, 1968f:10. – Lampe, Rohwedder, Ingrisch, and Rach, 2010:126 (type material in Mus. A. Koenig, Bonn).

ssp. gemmina Shestakov

Cerceris gemmina Shestakov, 1927b:31, ♀. Holotype: ♀, Azerbaijan: Vladimirskoye in Mugan' Step (ZIN). – R. Bohart and Menke, 1976:581 (in checklist of world Sphecidae); K. Schmidt, 2000:191 (is a relative of *Cerceris tuberculata*). – ***As Cerceris tuberculata gemmina***: Yildirim and Ljubomirov, 2005:1806 (new status, Turkey: Erzurum: İspir, Şenkaya, Turnalı; Konya: Güneysınır); Ljubomirov and Yildirim, 2008:158 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:27 (Turkey: Tunceli Province); Kaplan and Yildirim, 2021:101 (in catalog of Crabronidae of Turkey); Malash, Edmardash, and Gadallah, 2022:53 (in catalog of Middle Eastern and North African Philanthinae); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

ssp. *ogotai* Tsuneki

Cerceris rufipes ogotai Tsuneki, 1971l:445, ♂. Holotype: ♂, Mongolia: Hovd Aymag: Somon Bulgan (TMB). – **As *Cerceris tuberculata ogotai***: R. Bohart and Menke, 1976:588 (new subspecific generic assignment, in checklist of world Sphecidae).

817. *tuberidentalis* X. Li and L. Ma

Cerceris tuberidentalis X. Li and L. Ma, 2014:2715, ♀**.** Holotype: ♀, China: Sichuan: Emei Mountain (Insect collection of Zhejiang University, Hangzhou, China). – X. Li and L. Ma, 2014:2714, 2015 (in key to *Cerceris alboatra* species group of China, in Chinese).

818. *tucuman* Fritz and Toro

Cerceris tucuman Fritz and Toro, 1974:3, ♀, ♂. Holotype: ♀, Argentina: Tucumán: "km 93 Tafí" (IML). – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae); Amarante, 2002:62 (in catalog of Neotropical Crabronidae), 2005a:13 (correction to his 2002 catalog); Dollfuss, 2021b:574 (Argentina: Salta: Cuesta del Obispo, Tastil).

819. *tumulorum* F. Smith

Cerceris tumulorum F. Smith, 1865a:87, ♀. Holotype or syntypes: ♀, Indonesia: Moluku: Island of Gilolo, now Halmahera (BMNH). – F. Smith, 1871a:370 (in catalog of Oriental Aculeata); Schletterer, 1887:504 (in checklist of world *Cerceris*); Dalla Torre, 1897:480 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae).

820. *turanica* Kazenas

As *Cerceris variabilis* var. γ: Radoszkowski, 1877:63 (Uzbekistan or Kyrgyzstan), corrected to *Cerceris turanica* by Kazenas, 1984a:38.

Cerceris turanica Kazenas, 1980d:♀, ♂. Holotype: ♀, Tajikistan: near Dangara (depository not stated, but probably ZIL). – Kazenas, 1984a:38 (in revision of *Cerceris* of Kazakhstan and Central Asia); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Esenbekova and Kazenas, 2000:80 (southeastern Kazakhstan: 10 km northwest of Chemolgan, 15-30 km east of Chundzha, 1-3 km northwest of Zhabagly); Kazenas, 2001b:59 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:106, 107 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:154 (geographic distribution, collecting localities in Kazakhstan), 2004b:113 (Kazakhstan: western Tien Shan); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:431 (Uzbekistan: distribution).

821. *turkmenica* Kazenas

Cerceris turkmenica Kazenas, 1984a:203, ♀. Holotype: ♀, Turkmenistan: Uzboy, 40 km village Yakhan (ZIN). – Kazenas, 2001b:59 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:121 (in key to *Cerceris* of Kazakhstan and Central Asia); Dollfuss, 2021c:627 (Turkmenistan: near Sandykachi).

822. *turneri* Shestakov

As *Cerceris maculata*: R. Turner, 1912e:819 (Iran: Basuft), corrected to *Cerceris turneri* by Shestakov, 1918a:142.

Cerceris turneri Shestakov, 1918a:142. Holotype or syntypes: ♀, Iran: Basuft (BMNH). – R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:81 (Iran: known from Charmahal-o Bakhtiari Province); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:19 (Iran: known from Charmahal-o Bakhtiari Province); Malash, Edmardash, and Gadallah, 2022:53 (in catalog of Middle Eastern and North African Philanthinae).

823. *tyrannica* F. Smith

Cerceris tyrannica F. Smith, 1856:447, ♀. Lectotype: ♀, Gambia: no specific locality (BMNH), designated by Empey, 1983:190 (Article 74.6). – Walker, 1871:27 (Djibouti: Tajura, and Eritrea: Dahlak Archipelago); Schletterer, 1887:504 (in checklist of world *Cerceris*); Dalla Torre, 1897:480 (in catalog of world Hymenoptera); Innes Bey, 1912:112 (specimens recorded by Walker, 1871, now destroyed by dermestids, were collected at Tajura); Arnold, 1931:193 (original description copied, additional notes); Empey, 1969a:324 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Empey, 1983:190 (bibliographic reference, type examined); K. Schmidt, 2000:109 (in revision of Western Palearctic *Cerceris*); Roche, 2007a:136 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:9 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Dollfuss, 1169 (southeastern Egypt: Gebel Elba); Madl, 2018:942 (in catalog of Hymenoptera of Djibouti); Dollfuss, 2020a:106 (Mali: 180 km southwest of Gao, 30 km northeast of Hombori, and 10 km south of Mopti); Malash, Edmardash, and Gadallah, 2022:54 (in catalog of Middle Eastern and North African Philanthinae); Madl, 2023:258 (in catalog of Crabronidae of Eritrea).

Cerceris sulcipyga Mochi, 1938:154, ♀, ♂. Syntypes: southeastern Egypt: Gebel Elba: El Wasta (depository?). Synonymized with *Cerceris tyrannica* by Empey, 1983:190. – Giner Marí, 1941b:239 (in revision of North African *Cerceris*); de Beaumont, 1951b:179 (interpretation of species), 1951f:383 (Egypt, additional description); R. Bohart and Menke, 1976:587 (in checklist of world Sphecidae).

824. *ugandensis* Arnold

Cerceris ugandensis Arnold, 1931:179, ♀. Holotype: ♀, Uganda: Unyoro in Budongo Forest (BMNH), see Empey, 1969a:324. – Arnold, 1931:144 (in key to Afrotropical *Cerceris*); Empey, 1969a:324 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Empey, 1983:191 (bibliographic reference, unnecessary designation of lectotype).

825. *ulcerosa* Arnold

Cerceris ulcerosa Arnold, 1936:4, ♀, ♂ (♂ = *Cerceris erythrosoma*). Lectotype: ♀, Zimbabwe: Matetsi (SAM), designated by Empey, 1983:191. – R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Empey, 1983:191 (bibliographic reference, type examined).

826. *umbelliferarum* Schrottky

Cerceris umbelliferarum Schrottky, 1911:28, ♀, ♂. Syntypes: Paraguay: Encarnación (depository?). – Schrottky, 1913a:230 (Paraguay); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Amarante, 2002:62 (in catalog of Neotropical Crabronidae).

827. *umbinifera* Maidl

Cerceris umbinifera Maidl, 1926:229, ♀, ♂. Syntypes: Indonesia: Java: no specific locality (NHMW) and Sumatra: Kur (RMNH). – van der Vecht, 1964:354 (in revision of Javan *Cerceris*); Tsuneki, 1972c:4 (Taiwan); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Dollfuss, 1989:8 (type material in NHMW); Porter, Stange, and Wang, 1999:14 (in checklist of Sphecidae of Taiwan); Dollfuss,2020b:123 (Indonesia: Bengkulu Province: Mana).

ssp. *kentinensis* Tsuneki

Cerceris umbinifera kentinensis Tsuneki, 1977c:3, ♂. Holotype: ♂, Taiwan: Pingtung Prefecture: Kentin Park (originally K. Tsuneki coll., now USNM). – Nuhn and Menke, 1994:26 (holotype transferred to USNM). – **As *Cerceris tuberculata kentiensis*** [*sic*]: Hua, 2006:278 (new subspecific generic assignment, in list of Chinese insects, geographic distribution).

828. *umhlangae* Arnold

Cerceris umhlangae Arnold, 1942:15, ♀. Holotype: ♀, South Africa: KwaZulu-Natal: Umhlanga (SAM). – Empey, 1969a:324 (in checklist of Afrtropical *Cerceris*); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Empey, 1983:191 (bibliographic reference, type examined).

829. *uncifera* Arnold

Cerceris uncifera Arnold, 1931:156, ♂. Holotype: ♂, Nigeria: Lanwa (BMNH). – Arnold, 1931:145 (in key to Afrotropical *Cerceris*); Empey, 1969a:324 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Empey, 1983:191 (bibliogrpahic reference, type examined).

830. *uncta* Arnold

Cerceris uncta Arnold, 1931:175, ♀. Holotype: ♀, Gambia: no specific locality (BMNH). – Arnold, 1931:142 (in key to Afrotropical *Cerceris*); Empey, 1969a:324 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Empey, 1983:191 (bibliogrpahic reference, type examined).

831. *unidentata* F. Morawitz

Cerceris unidentata F. Morawitz, 1890:601, ♀. Holotype or syntypes: ♀, Turkmenistan: Chuli in Kopet-Dagh Mountains (ZIN). –Dalla Torre, 1897:480 (in catalog of world Hymenoptera); Shestakov, 1918a:161 (Turkmenistan: Kopet Dagh); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Kazenas, 1978b:62 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:178 (in revision of *Cerceris* of Kazakhstan and Central Asia); K. Schmidt, 2000:119 (in revision of Western Palearctic *Cerceris*; may be senior synonym of *Cerceris euryanthe palaestina*); Kazenas, 2001b:59 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:112 (in key to *Cerceris* of Kazakhstan and Central Asia); Dollfuss, 2018:1169 (Turkmenistan: 15 km south of in Kopet-Dagh Mountains), 2021c:627 (Turkey: Karadut: Nemrut Dag; Turkmenistan: Askhabad and Firyuza); Malash, Edmardash, and Gadallah, 2022:54 (in catalog of Middle Eastern and North African Philanthinae).

Cerceris rhynchophora R. Turner, 1912e:510, ♀, ♂. Syntypes: Pakistan: Balochistan: Quetta (BMNH). Synonymized with *Cerceris unidentata* by Kazenas, 2000a:50. – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae).

832. *unifasciata* F. Smith

Cerceris unifasciata F. Smith, 1856:456, ♀. Holotype or syntypes: ♀, North China: no specific locality (BMNH). – F. Smith, 1858b:19 (Indonesia: Sulawesi), 1863b:136 (known from China and Sulawesi), 1871a:370 (in catalog of Oriental Aculeata); Schletterer, 1887:482 (original description copied), 505 (in checklist of world *Cerceris*); Bingham, 1897:301 (in key to *Cerceris* of British India), 302 (in revision of *Cerceris* of British India, ♂ = *fortinata* Cameron); Dalla Torre, 1897:480 (in catalog of world Hymenoptera); nec Matsumura,

1911:115 (= *Cerceris hortivaga*); Iwata and Yoshikawa, 1961:399 (Thailand); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Jonathan, Ray, and Kundu, 2000:212 (India: Meghalaya: East Garo Hills: Dainadubi, Darugiri, and Songsak; East Khasi Hills: Cherrapunjee and Shillong); Hua, 2006:278 (in list of Chinese insects, geographic distribution); J.-K. Kim, 2014:450 (in catalog of Sphecidae *sensu lato* of Korean Peninsula).

833. *unispinosa* R. Turner

Cerceris unispinosa R. Turner, 1917a:105, ♀. Holotype or syntypes: ♀, Australia: Queensland: Darra near Brisbane (BMNH). – Tsuneki, 1968e:4 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Evans 1982a:365 (in revision of Eastern Australian *Cerceris*); Evans and Hook, 1882b:160 (occasional communal nesting); Cardale, 1985:302 (in catalog of Australian Sphecidae); Evans and Hook, 1986a:29 (nesting habits), 1986b:1303 (prey: *Myllocerus* spp., Curculionidae).

834. *uvarovi* Kazenas

Cerceris uvarovi Kazenas, 1984a:224, ♀, ♂. Holotype: ♀, Turkmenistan: Askhabad (ZIN). – Kazenas, 1992c:29 (Turkmenistan: Repetek Nature Reserve), 2001b:59 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:123, 124 (in key to *Cerceris* of Kazakhstan and Central Asia); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:431 (Uzbekistan: distribution).

835. *vagans* Radoszkowski

Cerceris rufonodis Radoszkowski, 1877:56, ♀, ♂ (as *rufo-nodis*, incorrect original hyphenation), junior primary homonym of *Cerceris rufinodis* F. Smith, 1856 (Article 58.12: use of different connecting vowel). Syntypes: Kazakhstan: Djisak; Uzbekistan: Tashkent (ZMMU). – Kohl, 1916:121 (specimens in O. Radoszkowski collection, Kraków); Shestakov, 1918a:148 (valid species); Ulrich, 1922:257 (valid name, not a homonym, not a synonym of *Cerceris rubida*); R. Bohart and Menke, 1976:588 (misspelled the name *rufonoda*, treated it as homonym of *rufinoda* Cresson, 1865, invoking Article 58: different connecting vowel).

Cerceris vagans Radoszkowski, 1877:61, sex not stated. Syntypes: Uzbekistan: Zaravshan valley, Samarkand, Tashkent; Tadjikistan: Varzaminor; also Djuzak (ZMMU). Synonymized with *Cerceris rufonodis* by Shestakov, 1918a:158. – Schletterer, 1887:482 (original description copied), 505 (in checklist of world *Cerceris*); Ed. André, 1889:339, and 1891:30* (unrecognizable species); Dalla Torre, 1897:480 (in catalog of world Hymenoptera); Shestakov, 1918a:161 (syntypes of *vagans* include *Cerceris rubida*, *turkestanica*, *labiata*, *turbata*, and *integra*); Kazenas, 2001b:59 (tentatively in checklist of Sphecidae of Kazakhstan and Central Asia); Ljubomirov and Yildirim, 2008:160 (in catalog of Crabronidae of Turkey); Schmid-Egger, 2011b:517 (recorded from United Arab Emirates by Guichard, 1993a, as *turkestanica*); Dunford, Turbyville, and Leavengood, 2014:9 (listed as medically important in Afghanistan); Yıldırım, Ljubomirov, and Lelej, 2014:9 (distribution in Turkey by biogeographic provinces); Atbaei, Fallahzadeh, and Ljubomirov, 2015:9 (Iran: Fars Province, morphological and chromatic variation); Koçak and Kemal, 2015:141 (in checklist of Hymenoptera of Turkey); Rezaei and Fallahzadeh, 2015:14 (Iran: Fars: Kaftarak at 29°34'N 52°41'E); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:27 (Turkey: Adıyaman: Hasancık); Danilov and Mokrousov, 2017b:255 (in catalog of Philanthinae of Russia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:81 (Iran: known from Fars, Khorasan, Qazvin, and Tehran provinces); Mokrousov, 2017b:14 (Russia: south of European part: locality records); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:19 (Iran: known from Fars, Hormogan, Qazvin, South Khorasan, and Tehran provinces); Gadallah, 2020b:66 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021a:960 (Iran: Kerman Province: Fahrjaj at 28.9551°N 58.8789°E, and Turkey: Mersin Province: Silifke), 2021c:628 (locality records from Iraq, Iran, Kazakhstan, Kyrgyzstan, Pakistan, Syria, Tajikistan, Turkey, Turkmenistan, and Uzbekistan); Kaplan and Yildirim, 2021:101 (in catalog of Crabronidae of Turkey); Edmardash, and Gadallah, 2022:54 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:298

(United Arab Emirates: locality records); Kaplan and Yildirim, 2023:1690 (in checklist of Sphecidae *sensu lato* of Turkey).

Cerceris turkestanica Radoszkowski, 1893a:66. Substitute name for *Cerceris rufonodis* Radoszkowski, 1877 (incorrectly treated as a junior primary homonym of *Cerceris rufinoda* Cresson, 1865). – Shestakov, 1916:232 (Transcaucasia), 1918a:158 (redescription), 1923:104, 105, 114 (in key, synonymy, distribution); Gussakovskij, 1935:444 (Tajikistan); de Beaumont, 1957b:132 (northern Iran, southern Turkey), 1961b:273 (Afghanistan); Myartseva, 1963b:61 (Turkmenistan: lower Murgab River), 1965:95 (Turkmenistan: Akibay, Kara-Yab in Sakar-Chaginsk district, Pechekly in Mary district, Murgab district, Bayram-Ali district); de Beaumont, 1967a:284 (Turkey), 1970c:5 (Iran: Khorassan); Islamov, 1970:64 (Uzbekistan: Chirchik Basin); Myartseva, 1972a:93 (Turkmenistan); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Kazenas, 1978b:53, 55 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:34 (in revision of *Cerceris* of Kazakhstan and Central Asia); Guichard, 1993a:157 (United Arab Emirates: Hayl); Nazarova and Shomirsaidov, 1997:24 (Tajikistan: fruit tree orchards in Vakhsh River valley); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Esenbekova and Kazenas, 2000:80 (southeastern Kazakhstan: 15-30 km east of Chundzha, near Kapchagay, 30 km south of Koktal); Kazenas, 2001b:59 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:107, 109 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:154 (geographic distribution, collecting localities in Kazakhstan), 2004d:38 (Kazakhstan: Atyrau); Nazarova, 2005:94 (alfalfa fields in southwestern Tajikistan); Kazenas, 2013b:500 (southeastern Kazakhstan: near Borandysu, 30 km east of Chilik on Sharyn River,15-30 km east of Chundzha, 30 km south of Koktal); Malash, Edmardash, and Gadallah, 2022:54 (in catalog of Middle Eastern and North African Philanthinae); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:431 (Uzbekistan: distribution).

Cerceris compta R. Turner, 1912e:803, ♀. Holotype or syntypes: ♀, Pakistan: Karachi (BMNH). Synonymized with *Cerceris turkestanica* by Kazenas, 2000a:50. – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae).

836. *vagula* Kohl

Cerceris vagula Kohl, 1906a:209, ♀. Holotype: ♀, Yemen: Aden: Ras Fartak (NHMW). – Empey, 1969a:324 (in checklist of Afrotropical *Cerceris*), 1973:10 (redescription of ♀, description of ♂); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Guichard, 1980:230 (Oman); Empey, 1983:191 (bibliographic reference, type examined); Dollfuss, 1989:8 (holotype in NHMW); Guichard, 1993a:162 (Arabian Peninsula); Gadallah and Assery, 2004a:218 (in key to Sphecidae of Jeddah Region, Saudi Arabia), 236 (in catalog of Sphecidae of Saudi Arabia); Schmid-Egger, 2011b:521 (recorded from United Arab Emirates by Guichard, 1993a); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:359 (in new catalog of Sphecidae of Saudi Arabia); Dollfuss, 2018:1169 (Oman: 17 km west of Súr; Yemen: Sana'a: Beni Mausour); Dollfuss, 2020a:106 (Kenya: Voi); Gadallah, 2020b:66 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2021a:960 (locality records from Oman); Gadallah, Abu el-Ghiet, and Edmardash, 2021:1704 (Saudi Arabia: Jazan Province); Dollfuss, 2021c:628 (locality records from Oman, United Arab Emirates, and Yemen); Malash, Edmardash, and Gadallah, 2022:54 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:298 (United Arab Emirates: locality records); Dollfuss, 2023a:411 (Oman); Gadallah and Abu El-Ghiet, 2024:90 (Saudi Arabia: Jazan Province: Damad).

837. *vanduzeei* Banks

Cerceris vanduzeei Banks, 1917:114, ♀ Holotype: ♀: USA: California: San Diego County: no specific locality (MCZ); designation of lectotype by G. Ferguson, 1983b:233, was unnecessary. – Banks, 1947:32 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010 (in catalog of North American Hymenoptera); Scullen, 1965b:398 (in revision of North American *Cerceris*, as *Cerceris*

vanduzeei vanduzeei); R. Bohart and Grissell, 1975:52 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:588 (in checklist of world Sphecidae); Krombein, 1979b:1737 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:496 (in annotated list of North American and Caribbean *Cerceris*); Ratzlaff, 2016:28 (Canada: British Columbia: from Krombein, 1979)' Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: British Columbia: no specific locality).

Cerceris complanata Mickel, 1918a:340, ♀, ♂. Holotype: ♀, USA: California: Auburn (UNL). Synonymized with *Cerceris vanduzeei* by Scullen, 1960:80. – Banks, 1947:31 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1006 (in catalog of North American Hymenoptera); Muma, 1952:17 (holotype in UNL), 24 (paratypes in UNL).

Cerceris vanduzeei eburnea Scullen, 1965a:399, ♀. Holotype: ♀, USA: Oregon: Union County: North Powder (USNM). Synonymized with *Cerceris vanduzeei* by R. Bohart and Grissell, 1975:52, and R. Bohart *in* R. Bohart and Menke, 1976:588. – Zack, 1984:39 (paratypes in James Entomological Collection, Washington State University).

838. *varicincta* Cameron

Cerceris varicincta Cameron, 1905m:224, ♀. Lectotype: ♀, South Africa: Eastern Cape Province: Dunbrody at 33°29'S 25°33'E (BMNH), designated by Empey, 1983:191. – Brauns, 1926:318 (in revision of Afrotropical *Cerceris*, description of ♂); Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:143, 148 (in key to Afrotropical *Cerceris*), 1942:7 (redescription); Empey, 1969a:324 (in checklist of Afrotropical *Cerceris*), 1974:119 (taxonomic history); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Empey, 1983:191 (bibliographic reference, type examined); Dollfuss, 2020a:107 (South Africa: KwaZulu-Natal: southwest of Emanguzi).

Cerceris mutabilis Arnold, 1931:157, ♂. Holotype: ♂, South Africa: Kwazulu-Natal: Van Reenen (BMNH), see Empey 1971b:265 for type locality. Synonymized with *Cerceris varicincta* by Empey, 1983:191. – Arnold, 1931:147 (in key to Afrotropical *Cerceris*),1942:plate II fig. 32 (male genitalia), 1960a:83 (South Africa: Drakensberg Mountains); Empey, 1969a:315 (in checklist of Afrotropical *Cerceris*), 1971b:262 (description of ♀); R. Bohart and Menke, 1976:584 (in checklist of world Sphecidae).

Cerceris empeyi Arnold, 1962:848, ♂. Holotype: ♂, South Africa: Gauteng: Florida: Strubens Valley (SAM). Synonymized with *Cerceris mutabilis* by Empey, 1969a:315.

839. *varipes* F. Smith

Cerceris varipes F. Smith, 1858b:19, ♂. Holotype or syntypes: ♂, Indonesia: Sulawesi: no specific locality (BMNH). – F. Smith, 1863b:136 (known from Sulawesi), 1871a:370 (in catalog of Oriental Aculeata); Dalla Torre, 1897:480 (in catalog of world Hymenoptera, as *variipes*); R. Turner, 1912d:664 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae).

840. *vechti* Krombein

Cerceris vechti Krombein, 1969b:24, ♀. Holotype: ♀, Papua New Guinea: Eastern Highland Province: Karimui south of Goroka (Bishop Mus.). – Krombein, 1974a:466 (description of ♂); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae).

841. *vegeta* Arnold

Cerceris vegeta Arnold, 1940:108, ♂. Holotype: ♂, Zimbabwe: Chirinda Forest (SAM). – Arnold, 1960b:462 (Zimbabwe: Cashel, additional males); Empey, 1969a:324 (in checklist of Afrotropical *Cerceris*, holotype examined); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Empey, 1983:191 (bibliographic reference, type examined).

842. *vellensis* Krombein

Cerceris vellensis Krombein, 1969b:30, ♀. Holotype: ♀, Solomon Islands: Vella Lavella (USNM). – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae).

ssp. *obrieni* Krombein

Cerceris vellensis obrieni Krombein, 1969b:31, ♀, ♂. Holotype: ♀, Solomon Islands: Island of Santa Ysabel: Molao (Bishop Mus.). – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae).

ssp. *fordi* Krombein

Cerceris vellensis fordi Krombein, 1969b:31, ♀, ♂. Holotype: ♀, Papua New Guinea: Solomon Islands: Island of Bougainville: Kokura (Bishop Mus.). – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae).

ssp. *segiensis* Krombein

Cerceris vellensis segiensis Krombein, 1969b:32, ♀. Holotype: ♀, Solomon Islands: Island of New Georgia: Segi (Bishop Mus.). – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae).

843. *velutina* Taschenberg

Cerceris velutina Taschenberg, 1875:397, ♀. Holotype or syntypes: ♀, Brazil: Minas Gerais: Lagoa Santa (Halle). – Schletterer, 1887:505 (in checklist of world *Cerceris*); Dalla Torre, 1897:480 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Amarante, 2002:62 (in catalog of Neotropical Crabronidae).

844. *ventricornis* Reyes

Cerceris ventricornis Reyes, 1988:17, ♀. Holotype: ♀, Philippines: Island of Palawan: Iruhuan Riverwest of Puerto Princesa (CAS). Paratype: Borneo.

845. *ventripilosa* Empey

Cerceris turneri Arnold, 1931:168, ♀, ♂ (as *Turneri*, incorrect original capitalization), junior primary homonym of *Cerceris turneri* Shestakov, 1918. Lectotype: ♀, Namibia: Okahandja (BMNH), designated by Empey, 1983:192. – Arnold, 1931:142, 144 (in key to Afrotropical *Cerceris*); Empey, 1969a:324 (in checklist of Afrotropical *Cerceris*).

Cerceris ventripilosa Empey, 1972:66. Substitute name for *Cerceris turneri* Arnold, 1931. – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Empey, 1983:192 (bibliographic reference, type examined); Dollfuss, 2020a:107 (Namibia: 23 km north of Karibib, 17 km west of Okahanja).

846. *venusta* F. Smith

Cerceris venusta F. Smith, 1873c:413, ♀. Holotype or syntypes: ♀, Australia: Queensland: no specific locality (BMNH). – Schletterer, 1887:505 (in checklist of world *Cerceris*); Froggatt, 1892:222 (in catalog of Australian Hymenoptera); Dalla Torre, 1897:480 (in catalog of world Hymenoptera); R. Turner, 1908:473 (Australia: Queensland; color variation), 1910b:421 (in key to *Cerceris* of Australia), 1912d:666 (in key to *Cerceris* of Australia), 674 (in revision of *Cerceris* of Australia); nec Krombein, 1969b:25 (= *Cerceris goddardi*); Tsuneki, 1968e:6 (in key to *Cerceris* of Australia), 26 (Australia; additional description); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Evans, 1982a:350 (in revision of Eastern Australian *Cerceris*); Cardale, 1985:302 (in catalog of Australian Sphecidae).

ssp. *atrescens* Krombein

Cerceris venusta atrescens Krombein, 1969:27, ♀, ♂. Holotype: ♀, Papua New Guinea: Western Highland Province: Suanimbu 20 km east of Maprik (Bishop Mus.). – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae).

ssp. *keiensis* Strand

Cerceris venusta var. *keiensis* Strand, 1911b:232, ♀. Holotype: ♀, Indonesia: Moluccas: Island of Kei: Kei Dulah (Senckenberg Mus.). – Strand, 1927:253 (in list of species described by author); Krombein, 1969b:27 (in revision of Melanesian *Cerceris*, new status, description of ♂); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae).

ssp. *oceanica* Brèthes

Cerceris oceanica Brèthes, 1920:411, ♂. Holotype: ♂, Papua New Guinea: Central Province: Island of Iulewest of Port Moresby (MNHN). – Genise, 1990:26 (depository of type material unknown). – **As *Cerceris venusta oceanica***: Krombein, 1969b:25 (new status, revision); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae).

847. *verecunda* Arnold

Cerceris verecunda Arnold, 1958:132, ♀. Holotype: ♀, Zambia: Northern Province: Kaputa near Mweru Lake (SAM). – Empey, 1969a:324 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Empey, 1983:192 (bibliographic reference, type examined).

848. *verhoeffi* Tsuneki

Cerceris verhoeffi Tsuneki, 1961c:55, ♀, ♂. Holotype: ♀, China: Heilungkiang: Harbin (originally P. Verhoeff coll., now RMNH). – Tsuneki, 1961c:8, 14 (in key to *Cerceris* of northeastern Asia), 1967e:2 (China: Heilungkiang); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Tsuneki, 1976d:293 (China: Heilungkiang: Cheng 31 km east of Harbin); Kazenas, 1979d:70 (Russia: Primorskiy Kray; diagnostic characters), 81, 86 (in key to *Cerceris* of Russian Far East); Nemkov, 1992b:251 (Russia: Far East: Novospasskiy near Khingan Nature Reserve); Kazenas *in* Nemkov, Kazenas, Budrys, and Antropov, 1995:470, 475 (in key to Sphecidae of Russian Far East); Wu and Zhou, 1996a:182 (in revision in Economic Insect Fauna of China); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Nemkov, 2008b:26 (in catalog of Crabronidae of Asiatic Russia), 2009b:153 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia), 2012c:448 (in catalog of Crabronidae of Russian Far East); J.-K. Kim, 2014:450 (in catalog of Sphecidae *sensu lato* of Korean Peninsula); Danilov and Mokrousov, 2017b:255 (in catalog of Philanthinae of Russia); Dollfuss, 2021c:628 (China: Jilin: 200 km southeast of Jilin at 42°25'17"N 128°04'38"E, and Beijing: near Songshan National Nature Reserve at 43°31'N 115°47'E).

849. *vernayi* Arnold

Cerceris vernayi Arnold, 1935a:501, ♂. Holotype: ♂, Botswana: Kuke Pan (TMP). – Empey, 1969a:325 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Empey, 1983:192 (bibliographic reference).

850. *versicolor* Schrottky

Cerceris versicolor Schrottky, 1909b:247, ♀. Holotype or syntypes: ♀, Argentina: Catamarca: no specific locality (depository unknown). – Schrottky, 1913a:230 (Argentina: Catamarca); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Amarante, 2002:62 (in catalog of Neotropical Crabronidae).

851. *verticalis* F. Smith

Cerceris verticalis F. Smith, 1856:466, ♀. Lectotype: ♀, USA: Georgia: no specific locality (BMNH), designated by Scullen, 1961:48 (Article 74.6). – Cresson, 1862:237 (in catalog of North American Hymenoptera), 1865c:130 (original description copied); Packard, 1866:64 (bibliographic reference); Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:505 (in checklist of world *Cerceris*); Dalla Torre, 1897:481 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1010 (in catalog of North American Hymenoptera); Scullen, 1965b:515 (in revision of North American *Cerceris*), 1972:98 (in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae);

Krombein, 1979b:1738 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:497 (in annotated list of North American and Caribbean *Cerceris*); Ahlstrom, 1995:114 (in checklist of insects of North Carolina); Amarante, 2002:62 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Ruíz Cancino, Coronado Blanco, and Horta Vega, 2005:170 (Mexico: recorded from Tamaulipas State).

Cerceris gnara Cresson, 1873:229, ♂. Lectotype: ♂, USA: Texas: Dallas or Comal County: no specific locality (ANSP), designated by Cresson, 1916:100. Synonymized with *Cerceris verticalis* by Scullen, 1961:48. – Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:493 (in checklist of world *Cerceris*); Dalla Torre, 1897:462 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Banks, 1912:22 (in revision of eastern U.S. *Cerceris*); Mickel, 1918b:449 (in catalog of Nebraskan Sphecidae); Brimley, 1938:448 (North Carolina: Raleigh); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1008 (in catalog of North American Hymenoptera).

Cerceris firma Cresson, 1873:229, ♀. Lectotype: ♀, USA: Texas: no specific locality (ANSP), designated by Cresson, 1916:100. Synonymized with *Cerceris gnara* by Scullen, 1960:78. – Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:491 (in checklist of world *Cerceris*); Dalla Torre, 1897:460 (in catalog of world Hymenoptera); Ashmead, 1899d:295 (in checklist of North American Sphecidae); Banks, 1912:20 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1007 (in catalog of North American Hymenoptera).

852. *vianai* Fritz and Toro

Cerceris vianai Fritz and Toro, 1969:153, ♀. Holotype: Argentina: Río Negro: Lamarque (originally M. Fritz coll., now MACN). – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Fritz, 1993:17 (holotype in M. Fritz coll.); Amarante, 2002:62 (in catalog of Neotropical Crabronidae), 2005a:13 (correction to his 2002 catalog).

853. *vicaria* Shestakov

Cerceris vicaria Shestakov, 1915:9, ♀. Syntypes: ♀, Turkmenistan: Repetek (ZIN). – Shestakov, 1918a:162 (Turkmenistan: Repetek); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Kazenas, 1978b:69 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:193 (in revision of *Cerceris* of Kazakhstan and Central Asia), 1992c:29 (Turkmenistan: Repetek Nature Reserve); Esenbekova and Kazenas, 2000:80 (southeastern Kazakhstan: Borandysu, near Kapchagay); Kazenas, 2001b:60 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:121, 122 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:155 (geographic distribution, collecting localities in Kazakhstan), 2008a:107 (southeastern Kazakhstan: Ili River valley: 8 km south, 3 km southeast, and 35 km northwest of Kapchagay); Dollfuss, 2021c:629 (Kazakhstan: near Lepsi at 46°13'27"N 78°59'27"E).

854. *vicina* Cresson

Cerceris vicina Cresson, 1865c:120, ♀. Lectotype: ♀, USA: Colorado Territory: Rocky Mountains: no specific locality (ANSP), designated by Cresson, 1916:101. – Packard, 1866:59 (in key to North American *Cerceris*), 61 (bibliographic reference, geographic distribution); Cresson, 1887:282 (in catalog of North American Hymenoptera); Schletterer, 1887:505 (in checklist of world *Cerceris*); Ashmead, 1890:32 (in checklist of Hymenoptera of Colorado); Dalla Torre, 1897:481 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae); H. Smith, 1908b:367 (in revision of Nebraskan Sphecidae); Mickel, 1918b:450 (in catalog of Nebraskan Sphecidae); Banks, 1947:20 (in revision of eastern U.S. *Cerceris*); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1011 (in catalog of North American Hymenoptera); Scullen, 1965b:517 (in revision of North American *Cerceris*); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Krombein, 1979b:1738 (in catalog of North American Hymenoptera); G. Ferguson, 1984c:497 (in annotated list of North American and Caribbean *Cerceris*).

Cerceris dakotensis Banks, 1915:402, ♀, ♂. Lectotype: ♀, USA: North Dakota: Fargo (MCZ), designated by G. Ferguson, 1983b:227. Synonymized with *Cerceris vicina* by G. Ferguson, 1984c:497. – Stevens, 1917:422 (North Dakota); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1007 (in catalog of North American Hymenoptera). – **As *Cerceris clypeata dakotensis***: Scullen, 1965b:472 (new status, in revision of North American *Cerceris*); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Krombein, 1979b:1731 (in catalog of North American Hymenoptera).

855. *vicinoides* Viereck and Cockerell

Cerceris vicinoides Viereck and Cockerell, 1904b:140, ♂. Holotype: ♀, USA: New Mexico: Pecos (ANSP). – Cresson, 1928:50 (holotype in ANSP); Scullen *in* Muesebeck, Krombein, and Townes, 1951:1004 (as new synonym of *Cerceris aequalis*); R. Bohart and Grissell, 1975:38 (as synonym of *Cerceris aequalis*); R. Bohart and Menke, 1976:576 (as synonym of *Cerceris aequalis*); G. Ferguson, 1984c:497 (as valid species, in annotated list of North American and Caribbean *Cerceris*).

856. *victori* Genaro

Cerceris victori Genaro, 2009:107, ♀, ♂. Holotype: ♀, Puerto Rico: Guayanilla: Loma Ventana (FSCA). – Genaro, 2017:10 (in list of Antillean *Cerceris*).

857. *victrix* R. Turner

Cerceris victrix R. Turner, 1910b:422, ♀, ♂. Syntypes: Australia: Queensland: Cairns and Moreton Bay (BMNH). – R. Turner, 1910b:420 (in key to *Cerceris* of Australia), 1912d:665 (in key to *Cerceris* of Australia), 670 (in revision of *Cerceris* of Australia); Tsuneki, 1968e:2 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Evans, 1982a:325 (in revision of Eastern Australian *Cerceris*); Cardale, 1985:302 (in catalog of Australian Sphecidae).

858. *vierecki* Banks

Cerceris vierecki Banks, 1947:30, ♀. Holotype: ♀, USA: Arizona: Tempe (MCZ). – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1011 (in catalog of North American Hymenoptera); R. Bohart and Grissell, 1975:46 (as new synonym of *Cerceris finitima*); R. Bohart and Menke, 1976:580 (as new synonym of *Cerceris finitima* by R. Bohart); G. Ferguson, 1983b:233 (study of holotype), 1984c:497 (as valid species, in annotated list of North American and Caribbean *Cerceris*). – **As *Cerceris finitima vierecki***: Scullen, 1960:80 (new status), 1965b:382 (in revision of North American *Cerceris*), 1972:26 (in revision of Mexican and Central American *Cerceris*); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Ruíz Cancino, Coronado Blanco, and Horta Vega, 2005:170 (Mexico: recorded from Tamaulipas State).

Cerceris arizonella Banks, 1947:32, ♂. Holotype: ♂, USA: Arizona: Tempe (MCZ). Synonymized with *Cerceris vierecki* by G. Ferguson, 1984c:497. – Scullen *in* Muesebeck, Krombein, and Townes, 1951:1005 (in catalog of North American Hymenoptera); Scullen, 1965b:359 (in revision of North American *Cerceris*); R. Bohart and Menke, 1976:577 (in checklist of world Sphecidae); Krombein, 1979b:1729 (in catalog of North American Hymenoptera); G. Ferguson, 1983b:225 (study of holotype).

859. *vigilans* F. Smith

Cerceris vigilans F. Smith, 1856:454, ♂. Lectotype: ♂, India: Madras: no specific locality (BMNH), designated by Empey, 1983:192. – F. Smith, 1871a:370 (in catalog of Oriental Aculeata); Schletterer, 1887:506 (in checklist of world *Cerceris*); Cameron, 1890b:250 (India: Barrackpore, Poona, description of ♀); Bingham, 1897:301 (in key to *Cerceris* of British India), 308 (in revision of *Cerceris* of British India, India: Calcutta); Dalla Torre, 1897:481 (in catalog of world Hymenoptera); Rothney, 1903:106 (India: West Bengal: Barrackpore); R. Turner, 1912e:511 (in revision of *Cerceris* of Indian subcontinent); Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Empey, 1983:192 (bibliographic reference, type examined); S. Gupta,

1995:86 (India: Uttar Pradesh); Dollfuss, 2020a:107 (locality records from Kenya, Namibia, South Africa, and Tanzania), 2020b:123 (India: New Delhi at 28°32'34.4"N 77°10'06.7"E).

Cerceris lanata Cameron, 1907a:1009, ♂. Lectotype: ♂, India: Rajasthan: Mount Abu (BMNH), designated by Empey, 1983:192. Synonymized with *Cerceris vigilans* by R. Turner, 1912e:511

Cerceris vigilans ssp. *pervigilans* R. Turner, 1913:744, ♀, ♂. Holotype: Kenya: Simba (BMNH). Synonymized with *Cerceris vigilans* by Empey, 1983:192. – Arnold, 1931:136 and 145 (in key to Afrotropical *Cerceris*). – **As *Cerceris vigilans* race *pervigilans***: Arnold, 1930:12 (new status, in checklist of Afrotropical Sphecidae), 1931:136, 145 (in key to Afrotropical *Cerceris*). – **As *Cerceris vigilans pervigilans***: Guiglia, 1939d:56 (Ethiopia: Sidamo: Neghelli, now Negele), 1943c:75 (Ethiopia: Gamo Gofa: Sagan–Omo region), 1950:234 (Ethiopia: Gamo Gofa: Banno); Empey, 1969a:325 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Empey, 1983:192 (bibliographic reference, unnecessary designation of lectotype).

Cerceris trilineata Bischoff, 1913b:116, ♀. Syntypes: Botswana: Ku-Gudië (ZMHU). Synonymized with *Cerceris vigilans pervigilans* by Arnold, 1931:149. – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae).

Cerceris fongosi Brauns, 1926:272, ♀, ♂. Syntypes: South Africa: KwaZulu-Natal: Zululand: M'Fongosi (TMP). – Synonymized with *Cerceris vigilans pervigilans* by Arnold, 1931:149.

860. *villiersi* Berland

Cerceris villiersi Berland, 1950b:298, ♂ (as *Villiersi*, incorrect original capitalization). Holotype: ♂, Niger: Niamey (MNHN). – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae, as *villersi*).

861. *violaceipennis* Cameron

Cerceris violaceipennis Cameron, 1904f:292, ♂. Lectotype: ♂, India: Assam: Khasia Hills (OXUM), designated by Empey, 1984:80 (Article 74.6). – R. Turner, 1912e:486 (in revision of *Cerceris* of Indian subcontinent); Ramakrishna Aiyar, 1916:557 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Empey, 1984:80 (in checklist of Oriental *Cerceris* described by Cameron); Jonathan, Ray, and Kundu, 2000:212 (India: previously recorded from Meghalaya: East Khasi Hills); Dollfuss, 2020b:123 (locality records from Laos and Nepal).

Cerceris rufoplagiata Cameron, 1905c:221, ♀. Holotype or syntypes: ♀, India: Assam: Khasia Hills (OXUM). Synonymized with *Cerceris violaceipennis* by R. Turner, 1912e:486. – Empey, 1984:80 (in checklist of Oriental *Cerceris* described by Cameron).

862. *vischnu* Cameron

Cerceris vischnu Cameron, 1890b:254, ♀, ♂ (as *Vischnu*, incorrect original capitalization). Syntypes: India: Barrackpore, Poona (OXUM, now lost? Empey, 1984:80). – Cameron, 1890b:250 (India: Barrackpore, Poona); Bingham, 1897:301 (in key to *Cerceris* of British India), 308 (in revision of *Cerceris* of British India, as *vishnu*); Dalla Torre, 1897:481 (in catalog of world Hymenoptera); Rothney, 1903:105 (India: West Bengal: Barrackpore); R. Turner, 1912e:812 (in revision of *Cerceris* of Indian subcontinent); Ramakrishna Aiyar, 1916:557 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Krombein, 1981:13 (nesting habits; prey: Chrysomelidae), 36 (in revision of Sri Lanka Philanthinae, as *vischnu vischnu*, new status); Empey, 1984:80 (in checklist of Oriental *Cerceris* described by Cameron); Pu, 1986:8 (China); S. Gupta, 1995:86 (India: Uttar Pradesh); Hua, 2006:278 (in list of Chinese insects, geographic distribution); Dollfuss, 2020b:123 (locality records from Laos, Malaysia, and Thailand).

Cerceris dolosa Nurse, 1903a:525, ♀, ♂. Lectotype: ♀, India: Rajasthan: Mount Abu (BMNH), designated by Krombein, 1981:36. Synonymized with *Cerceris vischnu* by R. Turner, 1912e:812, synonymy confirmed by Krombein, 1981:36. – Giner Marí, 1945c:851 (India: Maharashtra: Khandala).

ssp. *borneata* Empey

Cerceris excavata Cameron, 1902b:135, ♂. Lectotype, ♂, Borneo: no specific locality (BMNH), designated by Empey, 1984:80 (Article 74.6), junior primary homonym of *Cerceris excavata* Schletterer, 1889. – R. Turner, 1912e:818 (in revision of British India *Cerceris*); R. Bohart and Menke, 1976:580 (in checklist of world Sphecidae); Empey, 1984:80 (in checklist of Oriental *Cerceris* described by Cameron).

Cerceris vischnu borneata Empey, 1984:80. Substitute name for *Cerceris excavata* Cameron, 1902 (new status).

ssp. *roepkei* Maidl

Cerceris roepkei Maidl, 1926:225, ♀. Holotype: ♀, Indonesia: Java: Buitenzorg, now Bogor (NHMW). – van der Vecht, 1964:358 (in revisions of Javan *Cerceris*); R. Bohart and Menke, 1976:586 (in checklist of world Sphecidae). – **As *Cerceris vischnu roepkei***: Krombein, 1981:37 (new status).

863. *vittata* Lepeletier de Saint Fargeau

Cerceris vittata Lepeletier de Saint Fargeau, 1845:24, ♀. Holotype or syntypes: ♀, Algeria: Oran (MNHN, Lucas coll.). – Lucas, 1849:254 (Algeria: Oran; original description copied with modifications); F. Smith, 1856:446 (in catalog of Hymenoptera in British Museum); Schletterer, 1887:483 (original description copied), 506 (in checklist of world *Cerceris*); Ed. André, 1889:278 (in revision of Sphecidae of Europe and Algeria), 1891:27* (bibliographic references); Acloque, 1897:81 (in Sphecid Fauna of France and Algeria); Dalla Torre, 1897:481 (in catalog of world Hymenoptera); Giner Marí, 1941b:275 (in revision of North African *Cerceris*); de Beaumont, 1950c:323 (study of holotype), 1951f:373, 374 (Tunisia to Morocco; redescription), 1956a:187 (Libya); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:372 (in Sphecid Fauna of Western Europe); K. Schmidt, 2000:19 (in revision of Western Palearctic *Cerceris*); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:359 (in new catalog of Sphecidae of Saudi Arabia); Ben Khedher, Yildirime, and Braham, 2020c:545 (Tunisia: summary of previous records, new locality records from Kebili and Tataouine provinces); Dollfuss, 2021a:960 (Morocco: Agadir), 2021c:629 (Algeria: Alger-Zeralda and Sidi-Ferrouch); Malash, Edmardash, and Gadallah, 2022:55 (in catalog of Middle Eastern and North African Philanthinae); Schmid-Egger and Dollfuss, 2022:299 (United Arab Emirates: locality records).

Cerceris foveata Lepeletier de Saint Fargeau, 1845:31, ♂. Holotype or syntypes: ♂, Algeria: Oran (MNHN, Lucas coll.). Synonymized with *Cerceris vittata* by Giner Marí, 1941b:275. – Lucas, 1849:257 (Algeria: Oran; original description copied with modifications); F. Smith, 1856:446 (in catalog of Hymenoptera in British Museum); Schletterer, 1887:470 (original description copied), 492 (in checklist of world *Cerceris*); Ed. André, 1889:282, 310 (in revision of Sphecidae of Europe and Algeria), 24* (bibliographic references); Dalla Torre, 1897:461 (in catalog of world Hymenoptera); de Beaumont, 1950c:323 (study of holotype).

Cerceris nigrocincta Dufour, 1854a:380, ♀ (as *nigro-cincta*, incorrect original hyphenation). Syntypes: ♀, Algeria: Ponteba (MNHN). Synonymized with *Cerceris vittata* by de Beaumont, 1950c:324. – Schletterer, 1887:475 (original description copied), 498 (in checklist of world *Cerceris*); Ed. André, 1889:313 (in revision of Sphecidae of Europe and Algeria), 1891:29* (bibliographic references); Dalla Torre, 1897:468 (in catalog of world Hymenoptera); Shestakov, 1928:266 (study of syntypes; as synonym of *Cerceris hispanica* Radoszkowski = *abdominalis*); Shestakov *in* Nadig, 1933:98 (Morocco: Tanger); nec Giner Marí, 1941a:62, 1941b:278, and 1943a:102 (= *Cerceris abdominalis*); de Beaumont, 1950c:324 (study of syntypes); nec Ceballos, 1956:370 (= *Cerceris abdominalis*).

As *Cerceris eurypyga*: Giner Marí, 1941b:271 (in revision of North African *Cerceris*, ♀ only), corrected to *Cerceris vittata vittata* by de Beaumont, 1951f:374.

ssp. *eurypyga* Kohl

Cerceris eurypyga Kohl, 1898a:346, ♀, ♂. Syntypes: Algeria: Tiout oasis near Ain Sefra (NHMW). – Shestakov, 1915:15 (as new synonym of *Cerceris tricolorata*); Giner Marí, 1941b:377 (in revision of North African *Cerceris*; ♂, nec ♀); de Beaumont, 1950f:397 (Algeria). – **As *Cerceris vittata eurypyga***: de Beaumont,

1951f:377 (new status; diagnostic characters); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Dollfuss, 1989:8 (type material in NHMW); Guichard, 1993a:160 (Arabian Peninsula); K. Schmidt, 2000:20 (in revision of Western Palearctic *Cerceris*); Gadallah and Assery, 2004a:218 (in key to Sphecidae of Jeddah Region, Saudi Arabia), 236 (in catalog of Sphecidae of Saudi Arabia, as *eurypypa*); Schmid-Egger, 2011b:521 (recorded from United Arab Emirates by Guichard, 1993a); Gadallah, 2020b:66 (in list of aculeate wasps of Arabian Peninsula); Dollfuss, 2921:629 (Morocco: several localities); Malash, Edmardash, and Gadallah, 2022:55 (in catalog of Middle Eastern and North African Philanthinae); Dollfuss, 2023a:412 (Oman).

ssp. *littorea* de Beaumont

Cerceris vittata littorea de Beaumont, 1951f:376, ♀, ♂. Holotype: Morocco: Sidi Moussa near Tiznit (Lausanne). – de Beaumont, 1953g:124 (Morocco); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); K. Schmidt, 2000:21 (in revision of Western Palearctic *Cerceris*); Dollfuss, 2021c:629 (Morocco: Agdir and Tamri 70 km north of Agadir); Malash, Edmardash, and Gadallah, 2022:54 (in catalog of Middle Eastern and North African Philanthinae); Malash, Edmardash, and Gadallah, 2022:55 (in catalog of Middle Eastern and North African Philanthinae).

864. *vitticollis* F. Morawitz

Cerceris vitticollis F. Morawitz, 1894:348, ♀. Lectotype: ♀, Turkmenistan: Serax (ZIN), designated by Mokrousov, 2017b:15. – Dalla Torre, 1897:481 (in catalog of world Hymenoptera); Shestakov, 1918a:162 (Turkmenistan: Serax, Tedjen); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Kazenas, 1978b:69 (in key to Sphecidae of Kazakhstan and Central Asia), 1984a:197 (in revision of *Cerceris* of Kazakhstan and Central Asia), 1992c:29 (Turkmenistan: Repetek Nature Reserve); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve, as *vittocollis*); Kazenas, 2001b:60 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:121, 122 (in key to *Cerceris* of Kazakhstan and Central Asia), 2002a:155 (geographic distribution, collecting localities in Kazakhstan); Shorenko, 2005a:169 (Ukraine: Crimea), 2009:369 (in list of Sphecidae *sensu lato* of Crimea); Danilov and Mokrousov, 2017b:255 (in catalog of Philanthinae of Russia); Mokrousov, 2017b:15 (Russia: Astrakhan' Oblast': near Volzhski village at 46.965°N 47.53°E), 2017d:59 (South-East of European Russia); Dollfuss, 2921:629 (Kazakhstan: Ust'-Urt Plateau: Beyneu-Aktau road; Turkmenistan: Sandykachi; Uzbekistan: near Bukhara); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:431 (Uzbekistan: distribution).

865. *voiensis* Dollfuss

Cerceris voiensis Dolllfuss, 2023b:346, ♀, ♂. Holotype: ♀, Kenya: Coast Province: Tsavo National Park near Voi (OÖLM).

866. *vulcanica* van der Vecht

Cerceris vulcanica van der Vecht, 1964:361, ♀, ♂. Holotype: ♀, Indonesia: Java: Mount Gedeh: Tjibodas (RMNH). – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Dollfuss, 2020b:123 (Laos: Ban Houyakong).

ssp. *ardjunae* van der Vecht

Cerceris vulcanica ardjunae van der Vecht, 1964:362, ♀, ♂. Holotype: ♀, Indonesia: Java: Mount Ardjuna (RMNH). – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae).

ssp. *merbabuana* van der Vecht

Cerceris vulcanica merbabuana van der Vecht, 1964: 362, ♀, ♂. Holotype: ♀, Indonesia: Java: Mount Merbabu: Kopeng (RMNH). – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae).

ssp. *patuhana* van der Vecht

Cerceris vulcanica patuhana van der Vecht, 1964:362, ♀, ♂. Holotype: ♀, Indonesia: Java: Mount Patuha: Rantjabali (RMNH). – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae).

867. *vulpecula* Empey

Cerceris vulpecula vulpecula Empey, 1971b:256, ♀, ♂. Holotype: Namibia: Outjo District: Kamanjab (SAM). – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Empey, 1983:192 (bibliographic reference, type examined).

ssp. *fuscicauda* Empey

Cerceris vulpecula fuscicauda Empey, 1971b:259, ♂. Holotype: ♂, South Africa: Northern Cape Province: Upington (originally H. Empey coll., now TMP). – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Empey, 1983:192 (bibliographic reference, type exmined).

868. *vulpinides* Strand

Cerceris vulpinides Strand, 1910a:135, ♂. Holotype: ♂, Paraguay: Villa Morra (ZMHU). – Strand, 1927:253 (in list of species described by author); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Amarante, 2002:62 (in catalog of Neotropical Crabronidae).

869. *waltoni* Arnold

Cerceris waltoni Arnold, 1940:107, ♀ (as *Waltoni*, incorrect original capitalization). Holotype: ♀, South Africa: Eastern Cape Province: Resolution in Albany District (TMP). – Empey, 1969a:325 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Empey, 1983:192 (bibliographic reference).

870. *watlingnesis* Elliott and Sahlbert

Cerceris watlingensis Elliott and Salbert *in* Elliott, Kurczewski, Claflin, and Salbert, 1979:359, ♀, ♂. Holotype: ♀, Bahamas Islands: Island of San Salvador (USNM). – Salbert and Elliot, 1979a:318 (unique aspects of nesting habits), 1979b:591 (nesting habits); Elliott, 1984:85 (male behavior); G. Ferguson, 1984c:498 (in annotated list of North American and Caribbean *Cerceris*); Elliott, Shlotzhauer, and Elliott, 1986:994 (nest sharing by females); Elliott, 1992:45 (in list of wasps of Bahama Islands: occurring on Island of San Salvador); Melo, 2000:100 (female associations for use of natal nest); Genaro, 2017:10 (in list of Antillean *Cerceris*).

871. *wickwari* R. Turner

Cerceris wickwari R. Turner, 1912e:799, ♀, ♂. Lectotype: ♀, Sri Lanka: Colombo (BMNH), designated by Krombein, 1981:29. – Ramakrishna Aiyar, 1916:558 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Krombein, 1981:28 (in revision of Sri Lanka Philanthinae).

872. *willineri* Fritz

Cerceris willineri Fritz, 1960:70, ♀. Holotype: ♀, Argentina: San Luis: Carolina (originally M. Fritz coll., now MACN). – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Fritz, 1989:262 (in key to *Cerceris pollens* species group), 268 (in revision of *Cerceris pollens* species group), 1993:17 (holotype in M. Fritz coll.); Amarante, 2002:62 (in catalog of Neotropical Crabronidae).

873. *willinki* Fritz

Cerceris willinki Fritz, 1983b:166, ♀. Holotype: ♀, Argentina: Córdoba: Salsacate (originally M. Fritz coll., now MACN). – Fritz, 1993:17 (holotype in M. Fritz coll.); Amarante, 2002:62 (in catalog of Neotropical Crabronidae).

874. *windorum* Tsuneki

Cerceris windorum Tsuneki, 1968e:20, ♀, ♂. Holotype: ♀, Australia: Queensland: Island of Prince of Wales (USNM). – Tsuneki, 1968e:5 (in key to *Cerceris* of Australia); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Evans 1982a:371 (in revision of Eastern Australian *Cerceris*); Evans and Hook, 1882b:160 (occasional communal nesting); Cardale, 1985:303 (in catalog of Australian Sphecidae); Evans and Hook, 1986a:297 (nesting habits), 1986b:1300 (prey: *Ataenius*, Scarabaeidae Aphodiinae); Nuhn and Menke, 1994:26 (holotype in USNM).

As *Cerceris minuscula*: Evans and Matthews, 1970:156 (nesting habits), corrected to *Cerceris windorum* by Evans, 1982a:371.

875. *wroughtoni* Cameron

Cerceris wroughtoni Cameron, 1890:258, ♀, ♂ (as *Wroughtoni*, incorrect original capitalization). Lectotype: ♀, India: no specific locality (BMNH), designated by Empey, 1984:76. – Bingham, 1897:301 (in key to *Cerceris* of British India), 302 (original description copied); Dalla Torre, 1897:481 (in catalog of world Hymenoptera); W. Schulz, 1912:90 (conspicuously different from *Cerceris cornuta*); R. Turner, 1912:502 (in revision of *Cerceris* of Indian subcontinent); van der Vecht, 1961a:66 (incorrectly thought that W. Schulz synonymized *Cerceris wroughtoni* with *C. cornuta*); R. Bohart and Menke, 1976:579 (as synonym of *Cerceris cornigera*); Empy, 1984:76 (in checklist of Oriental *Cerceris* described by Cameron); X. Li and L. Ma, 2014:2714, 2715 (in key *Cerceris alboatra* species group of China, in Chinese; first record fom China: Guizhou, Hunan, and Yunnan provinces).

876. *wyomingensis* Scullen

Cerceris wyomingensis Scullen, 1965b:519, ♀. Holotype: ♀, USA: Wyoming: 28 mi. east of Laramie (USNM). – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Krombein, 1979b:1738 (in catalog of North American Hymenoptera); Evans, 1983a:46 (nesting habits); G. Ferguson, 1984c:498 (in annotated list of North American and Caribbean *Cerceris*); Weissmann and Kondratieff, 1999:78 (Colorado: Great Sand Dunes National Monument); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Alberta, Saskatchewan, first record from Manitoba: no specific locality).

877. *xanthogaster* Arnold

Cerceris xanthogaster Arnold, 1942:21, ♀ (♂ quoted erroneously). Holotype: ♀, Zimbabwe: Bulawayo: Spongweni (SAM). – Empey, 1969a:325 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Empey, 1983:193 (bibliographic reference, holotype examined); Hancock, Chahwanda, and Mhlanga, 1995:38 (paralectotype in Bulawayo Museum).

878. *xanthosoma* Yamane and Tano

Cerceris xanthosoma Yamane and Tano, 1995:20, ♂. Holotype: ♂, Japan: central Ryukyu Islands: Island of Amami-ôshima: Yuwan-dake (depository not stated). – Yamane, Ikudome, and Terayama, 1999:548 (in Identification Guide to Crabronidae of Nansei = Ryukyu Islands, Japan); Terayama and Tano, 2005:5 (in key to Japanese *Cerceris*).

879. *xanthostigma* Arnold

Cerceris xanthostigma Arnold, 1945:39, ♀. Holotype: ♀, Madagascar: Rogez in East Coast Forest (MNHN). – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Empey, 1983:193 (bibliographic reference, type examined); Pulawski, 2003b:799 (in checklist of Malagasy Sphecidae); Madl, 2014a:1004 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records).

880. *xosa* Brauns

Cerceris xosa Brauns, 1926:274, ♀, ♂. Lectotype: ♀, South Africa: KwaZulu-Natal: Malvern (TMP), designated by Empey, 1983:193. – Arnold, 1931:137 (in key to Afrotropical *Cerceris*), 1942:14 (additional description

of ♂); Empey, 1969a:325 (in checklist of Afrotropical *Cerceris*), 1970:186 (Zaire: Garamba National Park); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Empey, 1983:193 (bibliographic reference, type examined).

Cerceris rectinodes Giner Marí: Empey, 1983:193. Nomen nudum. Synonymized with *Cerceris xosa* by Empey, 1983:192.

881. *yalensis* R. Turner

Cerceris yalensis R. Turner, 1913:744, ♀, ♂ (♂ = *Cerceris iniqua cratocephala*). Lectotype: ♀, Kenya: Yala River, southern edge of Kakumga Forest (BMNH), designated by Empey, 1983:193. – R. Turner, 1918a:91 (♂ described as *yalensis* actually is *cratocephala*); Arnold, 1930:12 (in checklist of Afrotropical Sphecidae), 1931:189 (original description copied); Empey, 1969a:325 (in checklist of Afrotropical *Cerceris*), 1972:50 (redescription, description of ♂); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Empey, 1983:193 (bibliographic reference).

Cerceris uxor Leclercq, 1955i:417, ♀. Holotype: ♀, Ruanda: Shangugu Territory: Dendezi (MRAC). Synonymized with *Cerceris yalensis* by Empey, 1969a:325.

882. *yenpingensis* Tsuneki

Cerceris yenpingensis Tsuneki, 1968f:7, ♂. Holotype: ♂, China: Yenping (AMNH). – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Hua, 2006:278 (in list of Chinese insects, geographic distribution); X. Li and L. Ma, 2014:2714, 2715 (in key to *Cerceris alboatra* species group of China, in Chinese).

883. *yngvei* Cameron

Cerceris yngvei Cameron, 1908a:273, ♀ (as *Yngvei*, incorrect original capitalization). Lectotype: ♀, Tanzania: Mount Kilimandjaro: Kibonoto (NRS), designated by Empey, 1983:193. – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae, as *yungvei*), 1931:142, 146 (in key to Afrotropical *Cerceris*, as *Yungvei*), 190 (in revision of Afrotropical *Cerceris*, as *Yungvei*); Scott *in* Arnold, 1933a:369 (Ethiopia: Harar District and Higo Samula); Giordani Soika, 1939c:102 (Eritrea: Adi Caie); Arnold, 1951:112 (Ethiopia: Bishoftu, as *yungvei*); Leclercq, 1955i:411 (Burundi, as *yungvei*); Empey, 1969a:3325 (in checklist of Afrotropical *Cerceris*, as *yungvei*), 1974:112 (taxonomic history, type location); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Empey, 1983:193 (bibliographic reference, type examined); Dollfuss, 2020a:107 (Zimbabwe: Mount Selinda); Madl, 2023:258 (in catalog of Crabronidae of Eritrea).

Cerceris massaica Cameron, 1908a:274, ♂. Lectotype: ♂, Tanzania: Mount Kilimandjaro: Kibonoto (NRS), designated by Empey, 1983:193 (Article 76.4). Synonymized with *Cerceris yngvei* by Arnold, 1931:190. – Arnold, 1930:12 (in checklist of Afrotropical Sphecidae).

Cerceris vumbui Arnold, 1931:180, ♀, ♂. Lectotype: ♀, Zimbabwe: Vumbu in Umtali Mountains (SAM), designated by Empey, 1983:193. Synonymized with *Cerceris yngvei* by Empey, 1969a:326. – Arnold, 1931:142, 146 (in key to Afrotropical *Cerceris*), Hancock, Chahwanda, and Mhlanga, 1995:38 (paralectotype in Bulawayo Museum).

884. *yunnanensis* Tsuneki

Cerceris yunnanensis Tsuneki, 1968f:18, ♀. Holotype: ♀, China: Yunnan: Kunning (originally Utah State Univ., now USNM). – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Nuhn and Menke, 1994:26 (holotype transferred to USNM); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

885. *yuwanensis* Tsuneki

Cerceris yuwanensis Tsuneki, 1982h:77, ♂. Holotype: ♂, Japan: Ryukyu Islands: Island of Amami-Oshima: Yuwan (originally K. Tsuneki coll., now Hyogo Mus.). – Tano, 1994a:8 (holotype in K. Tsuneki collection, as *yamanensis*); Sk. Yamane and Tano, 1995:18 (Japan: Ryukyu Islands); Hashimoto and Nakanishi,

1997:29 (holotype transferred to Hyogo Mus.); Yamane, Ikudome, and Terayama, 1999:548 (in Identification Guide to Crabronidae of Nansei = Ryukyu Islands, Japan); Terayama and Tano, 2005:5 (in key to Japanese *Cerceris*); Watanabe and Okajima, 2010:195 (Japan: Ryukyu Islands: Island of Tokunoshima; description of ♀).

886. *zacatecas* Scullen

Cerceris zacatecas Scullen, 1972:98, ♀. Holotype: ♀, Mexico: Zacatecas: 9 mi. north of Ojo Calliente (UCD). – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); G. Ferguson, 1984c:498 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:62 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

887. *zain* Fritz

Cerceris zain Fritz, 1990:156, ♀. Holotype: ♀, Argentina: Corrientes: Ituzaingo (originally M. Fritz coll., now MACN). – Fritz, 1993:17 (holotype in M. Fritz coll.); Amarante, 2002:62 (in catalog of Neotropical Crabronidae).

888. *zapoteca* de Saussure

Cerceris zapoteca de Saussure, 1867:89, ♂. Lectotype: ♂, Mexico: "prope Tampico" (NHMW), designated by G. Ferguson, 1984b:440. – Schletterer, 1887:506 (in checklist of world *Cerceris*); Cameron, 1890a:118 (bibliographic reference); Dalla Torre, 1897:481 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae, as *zapotica*); G. Ferguson, 1984c:498 (full species, in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:62 (in catalog of Neotropical Crabronidae). – **As *Cerceris kennicottii zapoteca***: Scullen, 1972:30 (new status, in revision of Mexican and Central American species); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Krombein, 1979b:1735 (in catalog of North American Hymenoptera); Dollfuss, 1989:8 (lectotype in NHMW); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Ruíz Cancino, Coronado Blanco, and Horta Vega, 2005:170 (Mexico: recorded from Tamaulipas State); Horta Vega, Pinson Domínguez, Barrientos Lozano, and Correa Sandoval, 2007: 45 (Mexico: Tamaulipas).

Cerceris smithiana Cameron, 1890a:119, ♀. Lectotype: ♀, Mexico: Veracruz: Atoyac (BMNH), designated by G. Ferguson, 1984b:439. Synonymized with *Cerceris zapoteca* by G. Ferguson, 1984c:498. – Dalla Torre, 1897:477 (in catalog of world Hymenoptera); Ashmead, 1899d:296 (in checklist of North American Sphecidae). – **As *Cerceris kennicottii smithiana***: Scullen, 1972:29 (new status, in revision of Mexican and Central American *Cerceris*); R. Bohart and Menke, 1976:583 (in checklist of world Sphecidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

889. *zavattarii* Guiglia

Cerceris zavattarii Guiglia, 1939:58, ♀, ♂ (as *Zavattarii*, incorrect original capitalization). Holotype: ♀, Ethiopia: Sidamo: Neghelli, now Negele (Genova). – Guiglia, 1943c:75 (Ethiopia: Gamo Gofa: Sagan–Omo region), 1950:235 (Ethiopia: Gamo Gofa: Banno, Caschei, El Dire, headwaters of Sagan); Arnold, 1951:107 (Ethiopia: Bishoftu); Empey, 1969a:326 (in checklist of Afrotropical *Cerceris*); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Empey, 1983:193 (bibliographic reference, type not examined).

890. *zebra* Guichard

Cerceris zebra Guichard, 1993a:153, ♂. Holotype: ♂, Oman: Behla at 23°00'N 57°05'E (BMNH). – Gadallah and Assery, 2004a:218 (in key to Sphecidae of Jeddah Region, Saudi Arabia), 236 (in catalog of Sphecidae of Saudi Arabia: Hadasham east of Jeddah, description of ♀); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:359 (in new catalog of Sphecidae of Saudi Arabia); Gadallah, 2020b:66 (in list of aculeate wasps of Arabian Peninsula); Malash, Edmardash, and Gadallah, 2022:55 (in catalog of Middle Eastern and North African Philanthinae); Dollfuss, 2023a:411 (Oman).

891. *zelichi* Fritz and Mariluis

Cerceris zelichi Fritz and Mariluis, 1976:106, ♀, ♂. Holotype: ♀, Argentina: Entre Ríos: Palmar de Colón (originally M. Fritz coll., now MACN). – Fritz and Mariluis, 1976:96 (in key to *Cerceris spathulifera* species group); Fritz, 1993:17 (holotype in M. Fritz coll., dated 1977); Amarante, 2002:62 (in catalog of Neotropical Crabronidae), 2005a:13 (correction to his 2002 catalog).

892. *zhdankoi* Kazenas

Cerceris zhdankoi Kazenas, 2006:31, ♀. Holotype: ♀, Kazakhstan: 20 km southeast of village Bakanas at 44°39'52"N 76°29'03"E (ZIN?).

893. *zhelochovtsevi* Kazenas

Cerceris zhelochovtsevi Kazenas, 1984a:171, ♂. Holotype: ♂, Tajikistan: Khatynrabat in Amu-Daria headwaters (ZMMU). – Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Kazenas, 2001b:60 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2001d:116 (in key to *Cerceris* of Kazakhstan and Central Asia).

894. *zoellneri* Sielfeld

Cerceris zoellneri Sielfeld, 1971:258, ♀. Holotype: ♀, Chile: Atacama Desert: Copiapo at Río Jorquera (W. Sielfeld coll.). – Omitted from Bohart and Menke, 1976; Sielfeld, 1980b:75 (in checklist of Chilean Sphecidae); Amarante, 2002:62 (in catalog of Neotropical Crabronidae), 2005a:13 (correction to his 2002 catalog); Chiappa, 2012:9 (Chile: Región de Valparaíso: no specific locality).

895. *zonalis* F. Smith

Cerceris zonalis F. Smith, 1852b:35, ♀ (as *Zonalis*, incorrect original capitalization). Holotype or syntypes: ♀, North China: no specific locality (BMNH). – F. Smith, 1856:457 (in catalog of Hymenoptera in British Museum); Schletterer, 1887:484 (original description copied), 506 (in checklist of world *Cerceris*); Dalla Torre, 1897:481 (in catalog of world Hymenoptera); R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); Hua, 2006:278 (in list of Chinese insects, geographic distribution).

896. *zonata* Cresson

Cerceris zonata Cresson, 1865a:156, ♀, ♂. Lectotype: ♀, Cuba: no specific locality (ANSP), designated by Cresson, 1916:101. – Ashmead, 1900:307 (in checklist of Caribbean Hymenoptera); Holland, 1917:295 (Cuba: Isla de Pinos, now Isla de la Juventud); Alayo Dalmau, 1976:16 (in key to Cuban *Cerceris*), 31 (in checklist of Cuban Sphecidae); R. Bohart and Menke, 1976:579 (in checklist of world Sphecidae); Elliott, Kurczewski, Claflin, and Salbert, 1979:363 (Bahama Islands: Island of San Salvador); N. Elliott, W. Elliott, and Salbert, 1981:127 (nesting behavior); Amarante, 2002:62 (in catalog of Neotropical Crabronidae); Portundo and Fernández, 2004:134 (Cuba: Nipe-Sagua-Baracoa mountains); Genaro, 2017:10 (in list of Antillean *Cerceris*).

Cerceris cubensis Cresson, 1865c:123. Unnecessary substitute name for *Cerceris zonata* Cresson, nec *Cerceris zonalis* F. Smith, 1856 (name similar, but not homonym). – Packard, 1866:60 (in key to North American *Cerceris*), 62 (bibliographic reference, known from Cuba); Schletterer, 1887:489 (in checklist of world *Cerceris*); Dalla Torre, 1897:457 (in catalog of world Hymenoptera, as valid name); Ashmead, 1900:307 (in checklist of Caribbean Hymenoptera); Giner Marí, 1943c:323 (in revision of Cuban *Cerceris*); Alayo Dalmau, 1968a:13 (in revision of Cuban Sphecidae), 1973:191 (in catalog of Cuban Hymenoptera); G. Ferguson, 1984c:478 (in annotated list of North American and Caribbean *Cerceris*); Elliott, 1992:45 (in list of wasps of Bahama Islands: occurring on Island of San Salvador); Genaro and Sanchez, 1993:41 (nesting habits); Fernández, Garcés, Portuondo, Valdés and Expósito, 2001:1022 (collected on weed flowers in Botanical Garden of Santiago de Cuba); Genaro, 2006:58 (in checklist of Cuban Sphecidae and Crabronidae; also: Isla de la Juventud and Bahamas: Island of San Salvador).

897. *zumpango* Scullen

Cerceris zumpango Scullen, 1972:38, ♀. Holotype: ♀, Mexico: Guerrero: Zumpango (UCD). – R. Bohart and Menke, 1976:589 (in checklist of world Sphecidae); G. Ferguson, 1984c:498 (in annotated list of North American and Caribbean *Cerceris*); Amarante, 2002:62 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

898. *zygomeiosis* X. Li and L. Ma

Cerceris zygomeiosis X. Li and L. Ma, 2016:316, ♂. Holotype: ♂, China: Yunnan: Baoshan: Lujiang: Pumanshao village (Insect Collection of Yunnan Agricultural University). – X. Li and L. Ma, 2016:3016 (in key to *Cerceris inara* species group of China).

sp.

Magretti, 1882b:160 (Italy: Sardegna); C. Robertson, 1892:108 (visiting flowers of *Pycnanthemum lanceolatum* and *linifolium*); W. Fox, 1894c:106 (Mexico: Baja California); Sickmann, 1894:205 (China: Hopei Province: Tientsin); Friese, 1900:268 (Madagascar: Nosy-Be); Storey, 1916:108 (Egypt); Morice, 1921:822 (Iran: Qazvin); von Schulthess, 1926b:210 (near *klugii*, Tunisia); J.Ch. Bradley, 1926:175 (New York: Lloyd-Cornell Reservation near McLean); Gussakovskij, 1932:33 (Russian Far East; sp. of *rybyensis* group); Hendrickson, 1930:160 (Iowa, near *jucunda*); Arnold, 1933a:355 (Ethiopia, similar to *spinicaudata* Cameron); Bischoff, 1933:5 (Morocco); Rau, 1933:164 (Panama: Island of Barro Colorado, prey carrying, nest, sp. near *mexicana*); Molitor, 1935:126 (flower visiting); von Schulthess, 1935:305 (Australia: New South Wales: Kiandra, Kosziusko; Indonesia: Flores: Kelimotoe); Yasumatsu, 1942c:109 (China: Beijing; Nei Mongol: Apaka at 44°N 114.96°E); Arnold, 1943:75 (Zaire); de Beaumont, 1950f:397 (Algeria; sp. of *arenaria* group); Krombein and Evans, 1954:235 (Florida), 1955:234 (Florida); de Beaumont, 1957b:134 (northern Iran; four species), 1958d:271 (Greece), 1959b:91 (Kashmir; teratological specimen), 1960b:232 (Libya), 1960c:171 (Afghanistan), 1961e (Iraq); Aguilar, 1966:95 (Peru: hills in vicinity of Lima); de Beaumont, 1967a:287, 288 (Turkey; spp.), 1967b:506 (South Africa); Tsuneki, 1968e:30 (Australia; sp. No. 1), 31 (Australia; sp. No. 2); de Beaumont, 1970a:398 (Afghanistan; sp. aff. *specularis*), 1970c:7 (Iran: Khorassan; sp. aff. *angustata*); Haneda, 1971b:32 (Taiwan); Fain, 1973:177 (parasite: *Crabrovidia oudemansi* Fain, a saproglyphid mite); Aguilar, 1976:59 (Peru: coastal hills); Al-Ali, 1977:100 (Iraq: Baghdad); C. Ward et al., 1977:56 (associated with mesquite (*Prosopis glandulosa* Torr.), Fabaceae); Gess, 1981:21 (South Africa: Eastern Cape Province: Hilton Farm 18 km west-northwest of Grahamstown; nesting in friable soils); Roche, 1981:5 (in checklist of Sphecidae of United Arab Emirates); Rodgers and Homewood, 1982:233 (Tanzania: Usambara Mountains); Rust, Hanks, and Bechtel, 1983:406 (Nevada: Churchill County: Sand Mountain); Rust, Menke, and Miller, 1985:47 (California: Channel Islands); Bernhardt, 1987:48 (visiting flowers of *Acacia*); Spahr, 1987:74 (in addition to Keilbach, 1982; in catalog of amber Hymenoptera); González, Gayubo, and Torres, 1998:72, 73 (Spain: Valladolid Province); Kurczewski, 1998d:250 (pine barrens); Hua, 1989:117 (China); Maes, 1989:95 (in catalog of Nicaraguan Sphecidae); Callan, 1991a:12 (Trinidad); Guichard, 1991a:338 (Jordan, sp. aff. *eugenia*); Snelling, 1992:14 (Virgin Islands: Island of Guana); Amarante, 1993:20 (norheastern Brazil); Cambra, 1993:16 (Peru: Pakitza, 11°57'S 71°17'W); Snelling, 1993:18 (British Virgin Islands: Island of Guana); Hanson, 1995:649 (known from Costa Rica); S. Gess, 1996:273 (floral records); Naumann, 1998:186, 187 (Australia: northwest Queensland: Musselbrook area, approximately 18°40'S 138°23'E); Weissmann and Kondratieff, 1999:78 (Colorado: Great Sand Dunes National Monument); K. Schmidt, 2000:50 (in revision of Western Palearctic *Cerceris*); Skevington et al., 2001:127 (Canada: Ontario: Lambton County); S. Gess and F. Gess, 2003:135 (South Africa: visiting flowers of *Asclepias* sp., Apocynaceae); Starr and Hook, 2003:21 (in catalog of Aculeata of Trinidad, West Indies); Gadallah and Assery, 2004b:1398 (skeletal parts of sting apparatus); Kazenas, 2004b:113 (Kazakhstan: western Tien Shan, sp. aff. *integra*); Kephart and Theiss, 2004:270 (pollinating flowers of *Asclepias*); Snelling, 2005:291 (British Virgin Islands: Island of Guana,

sp. aff. *margaretella*); Danilov and Tshernyshev, 2008:44 (Russia: Novosibirsk Oblast': Karasuk area); Ljubomirov and Yildirim, 2008:160 (in catalog of Crabronidae of Turkey); Ghazi-Soltani, Ebrahimi, Iranipour, and Pour Abad, 2010:801 (Iran: East Azarbaijan: Tabriz: Azarshahr); Kazenas, 2014a:139 (Kazakhstan: Karatau Mountain Range, sp. aff *integra*); Tano and Kurokawa, 2015:27 (central Vietnam: Son Tra Peninsula); S. Gess and Roosenschoon, 2016:106 (three species, Dubai Desert Conservation Reserve, visiting flowers of *Prosopis cinerea* (L.) Druce, Fabaceae, of *Solanum nigrum* L, Solanaceae, and of *Zygophyllum simplex* L., Zygophyllaceae); Silvestre, Demétrio, Trad, de Oliveira Lima, Auko, and de Souza, 2014:68 (Brazil: Mato Grosso do Sul: dry forests in Bodoquena Mountain Range and Brazilian Chaco; five species); Vanoye-Eligio, Meléndez-Ramírez, Ayala, Navarro-Alberto, and Delfin-González, 2015:993 (Mexico: in list of Sphecidae *sensu lato* of Yucatán); Trad and Silvestre, 2017:5, 6 (Brazil: Mato Grosso do Sul, six species); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:82 (Iran: East Azerbaijan, South Khorasan, and Qazvin provinces); Cope, Campbell, Grodsky, and Ellis, 2019:6 (Florida: collected in emergence traps); López García, Mazzitelli, Fruitos, González, Marcucci, Giusti, Alemanno, del Barrio, Portela, and Debandi, 2019:315 (Argentina: Mendoza: departamento de Tupungato: vineyards in Gualtallary); León-Burgos, Murillo-Pacheco, Bautista-Zamora, and Quinto, 2019:6 (Colombia: Meta: Villavicencio at 4°04'30"N 73°35'07"W, two species); Sadeghi, Fallahzadeh, Ostovan, Ljubomiov, and Hesami, 2019b:19 (Iran: several undetermined species); Gadallah, 2020b:66,67 (in list of aculeate wasps of Arabian Peninsula, three species); Dollfuss, 2021c:578 (aff. *adelpha*: Russia: Tuva Autonomus Republic: 10 km northeast of Erzin), 579 (cf. *albicolor*: Turkey: 20 km north of Igdir, as *albicola*), 581 (aff. *ansa*: Kyrgyzstan: near Afleatum at 44°42'N 71°21'E); 587 (aff. *clytia*: Algeria: Biskra), 588 (cf. *colorata*: Kazakhstan, Kyryzstan, and Uzbekistan; and aff. *conica*: Iran and Turkey), 592 (aff. *eryngii*: Iran, Kazakhstan, Kyrgyzstan, Tajikista, Turkmenistan, and Turkey; aff. *erythrogaster*: Kazakhstan, Kyrgyzstan, and Tajikistan), 594 (aff. *fimbriata*: Greece: Khalkidike: near Kassandra; Spain: Soria), 595 (aff. *fimbriata pallidopicta*: Tajikistan: Vakhsh), 597 (aff. *galatea*: Turkey: 20 km west of Van; aff. *gaetula*: Morocco: 10 km south of Rich), 599 (aff. *histrionica*: Oman and United Arab Emirates; aff. *hortivaga*: Morocco: Bakrite in Moyen Atlas at 33°02'N 5°14'W), 600 (aff. *impercepta*: Kazakhstan: Ryn-peski: 12 km south of Urda; aff. *iliensis*: Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan), 602 (aff. *kohli*: 45 km north of Adana at 37°23'N 35°12'E; aff. *kuznetzovi*: Kazakhstan: Saghiz valley in Atyraysk area), 604 (aff. *lunata*: Croatia, Greece, Italy, Spain, Syria, and Turkey), 606 (aff. *nikolaji*: Tajikistan: Dushambe, Karatag). 612 (aff. *quinquefasciata*: Turkey), 615 (aff. *ruficornis*: Pakistan, as *rufocornis*), 620 (aff. *shestakoviana*: Turkey 15 km from Siirt), 621 (aff. *spectabilis*: Syria: Raqqa: Rasafah, Turkey: 15 km south of Siirt), 624 (aff. *stramonea*: Israel: 13 km south of Paran); Malash, Edmardash, and Gadallah (in catalog of Middle Eastern and North African Philanthinae), 2022:6 (cf. *albicolor*), 14 (aff. *conica*), 16 (aff. *eryngii*), 21 (aff. *gaetula*); 21 (aff. *galathea*), 24 (aff. *histrionica* and aff. *hortivaga*), 25 (aff. *kohlii*), 27 (aff. *lunata*), 34 (aff. *quinquefasciata*), 40 (aff. *shestakoviana*), 44 (aff. *spectabilis*), 51(aff. *straminea*); Klein, 2025:130 (Leeward Antilles: Bonaire Island).

INCORRECTLY LISTED IN *CERCERIS*

Ceropales marcia Nurse, 1903a:513. – listed in *Cerceris*: Zoological Records for 1903; R. Bohart and Menke, 1976:583

Cerceris crepitans Leclercq: R. Bohart**,** 1967:569 (a mistake for *Liris crepitans*).

UNRECOGNIZABLE MISSPELLING:

Cerceris inuta Lep.: P. Ivanov, 1872:152 (Ukraine: Kharkov Oblast': Kupyansk area), probably *ornata*.

Cerceris limata Costa: Marion, 1978:86 (Morocco).

Cerceris 4maculata F.: von der Dunk and Amos, 2002:158 (Germany: Bayern: Schwaig near Nürnberg).

Cerceris quadripunctata v. d. L.: Berland, 1921:533 (Greece).

FOSSIL *CERCERIS*

berlandi Timon-David (preoccupied)

Cerceris berlandi Timon David, 1944:40, [♂] (as *Berlandi*, incorrect original capitalization). Holotype: ♂, France: Bouche-du Rhône: Camoins in Bassin de Marseille. Oligocene (depository?), junior primary homonym of *Cerceris berlandi* Giner Marí, 1941.

NOMINA NUDA IN *CERCERIS*

Cerceris assimilis Stephens, 1829a:367 (in catalog of British insects). – Stephens, 1829b:34 (in checklist of British insects).

Cerceris baridius Harris. 1835. Catalog of the insects of Massachusetts, 2nd edition. – Cresson, 1862:237 (in catalog of North American Hymenoptera)

Cerceris cantabrica: Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); Pagliano, 2014:110, 111 (specimens in M. Spinola collection, Torino).

Cerceris corticina: Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino); Pagliano, 2014:110 (specimens in M. Spinola collection, Torino).

Cerceris crocata: Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino); Pagliano, 2014:107 (specimens in M. Spinola collection, Torino).

Cerceris cruentata: Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino).

Cerceris distans Shestakov: Grandi, 1931:58 (Italy: Livorno).

Cerceris fasciata Cresson: Snow, 1906:9 (Arizona: Oak Creek 20 mi. southwest of Flagstaff).

Cerceris ferox Stephens, 1829a:368, as Kirby's manuscript name (in catalog of British insects). Replacement name for *Cerceris sabulosa* (Panzer, 1799).

Cerceris fulvipes Stephens, 1829a:368 (in catalog of British insects). – Stephens, 1829b:34 (in checklist of British insects).

Cerceris hirsutula: Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino); Pagliano, 2014:106, 107 (specimens in M. Spinola collection, Torino).

Cerceris holosericea: Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino); Pagliano, 2014:107 (specimens in M. Spinola collection, Torino).

Cerceris kirbyensis (as *Kirbyensis*, incorrect original capitalization): Engel, 1894:53 (Germany: Reinbek near Hamburg).

Cerceris lepida Spinola, 1843b: XXXVI (specimens in Berlin Museum).

Cerceris macei: Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino); Pagliano, 2014:107 (specimens in M. Spinola collection, Torino).

Cerceris morio: Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); Pagliano, 2014:109 (specimens in M. Spinola collection, Torino).

Cerceris nivalis Tsuneki, 1971:..

Cerceris nodosa Spinola, 1843b:XXXVI (Egypt). – Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino); Pagliano, 2014:108 (specimens in M. Spinola collection, Torino).

Cerceris orientata Spinola: Pagliano, 2014:114 (specimens in M. Spinola collection, Torino).

Cerceris pedalis Cresson: Cresson, 1876:207 (Utah: Spring Lake).

Cerceris porus: Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino); Pagliano, 2014:106 (specimens in M. Spinola collection, Torino).

Cerceris procera: Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); Pagliano, 2014:112 (specimens in M. Spinola collection, Torino).

Cerceris producta: Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino), Pagliano, 2014:106 (specimens in M. Spinola collection, Torino, are *Cerceris media*).

Cerceris romeliaca: Casolari and Casolari Moreno, 1980:124 (specimens in M. Spinola collection, Torino); Pagliano, 2014:112 (specimens in M. Spinola collection, Torino, are *Cerceris* sp.).

Cerceris spiniventris: Pagden, 1934b:384 (prey: *Crabro fimbriata*).

Cerceris tumida: Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino); Pagliano, 2014:107 (specimens in M. Spinola collection, Torino).

Cerceris valida Pérez: Antiga and Bofill, 1904:22, as *Valida*, incorrect original capitalization (Spain: Cataluña Province); Ceballos, 1956:372 (in catalog of Hymenoptera of Spain).

Cerceris varipes Herrich-Schaeffer, 1840:296 (Germany: Bayern: Regensburg area), as *Varipes*, incorrect original capitalization.

Cerceris vesiculosa Casolari and Casolari Moreno, 1980:123 (specimens in M. Spinola collection, Torino); Pagliano, 2014:106 (specimens in M. Spinola collection, Torino).

SPECIES DESCRIBED IN *CERCERIS* AND TRANSFERRED TO OTHER GENERA

asuncionis Strand, 1910a:141 = *Foxita*

bidentata Say, 1823 = *Eucerceris canaliculata* Say, 1823

sonorensis Cameron, 1891 = *Eucerceris montana* Cresson, 1882

vespiformis de Saussure, 1855:79 = *Ceramius cerceriformis* de Saussure, 1853:xxi according to Richards, 1962:97 (A revisionary study of the Masarid wasps).