

Last updated: 9 January 2026

## **BRACHYSTEGUS**

*Brachystegus* A. Costa, 1859:24. Type species: *Nysson dufouri* Lepeletier, 1845 [= *Nysson scalaris* Illiger, 1807], by monotypy.

Review of biology: Kazenas, 2001b:218.

Revision: Nemkov, 2003b (Russia and adjacent countries).

Keys: Amal and Girish Kumar, 2024:148 (India).

### **1. *arnoldi* Benoit**

*Brachystegus arnoldi* Benoit, 1951:130, ♀ (as *Arnoldi*, incorrect original capitalization). Holotype: ♀: Zaire: Lualaba-Kafakumba (MRAC). – R. Bohart and Menke, 1976:473 (in checklist of world Sphecidae).

### **2. *aurantiacus* Arnold**

*Brachystegus aurantiacus* Arnold, 1951:124, ♀, ♂. Syntypes: Mali: Tillembeya, now Diafarabé at 14°09'N 4°59'W (BMNH). – R. Bohart and Menke, 1976:473 (new status, in checklist of world Sphecidae).

### **3. *basalis* (F. Smith)**

*Nysson basalis* F. Smith, 1856:355, ♂. Holotype: ♂, India: no specific locality (OXUM). – Gerstaecker, 1867:112 (discussion of original description); F. Smith, 1871a:367 (in catalog of Oriental Aculeata); Handlirsch, 1887:401 (original description translated into German); Cameron, 1890b:241 (in list of Oriental Hymenoptera); Bingham, 1897:269, 270 (original description copied); Dalla Torre, 1897:567 (in catalog of world Sphecidae); R. Turner, 1914:254 (India: Maharashtra: Nasik; Tamil Nadu: Coimbatore; redescription of ♂); Maidl and Klima, 1939:134 (in catalog of world Astatinae and Bembicinae); R. Bohart and Menke, 1976:469 (in checklist of world Sphecidae). – As *Brachystegus basalis*: Krombein, 1985a:18 (new generic assignment; Sri Lanka, India; redescription); Amal and Girish Kumar, 2024:148 (in key to *Brachystegus* of India).

### **4. *braueri* (Handlirsch)**

*Nysson braueri* Handlirsch, 1887:323, ♂ (as *Braueri*, incorrect original capitalization). Holotype: ♂, Algeria: Sétif (NHMW). – Schmiedeknecht, 1896:159 (Algeria: Hammam-Bou-Hadjar); Handlirsch, 1898b:485 (Algeria); Dalla Torre, 1897:568 (in catalog of world Sphecidae); Morice, 1911:109 (Algeria: Biskra, Le Tarf; description of ♀); Nadig, 1933:95 (Morocco: Goundafa); Maidl and Klima, 1939:140 (in catalog of world Astatinae and Bembicinae, in subgenus *Brachystegus*); de Beaumont, 1950f:403 (Algeria), 1953g:115 (Morocco); Balthasar, 1954b:273 (Palestine: Wadi el Kelt near Jericho); de Beaumont and Bytinski-Salz, 1959:107 (Israel). – As *Brachystegus braueri*: R. Bohart and Menke, 1976:473 (new generic assignment; in checklist of world Sphecidae); Dollfuss, 1989:8 (type material in NHMW); Nemkov, 2003b:3 (in key to Palearctic *Brachystegus*), 2017:Table p. 5 (in zoogeographic analysis of Palearctic Bembicinae); Ben Khedher, Yildirim, and Braham, 2022:6 (first record from Tunisia: Tunis area).

### **5. *capensis* (Handlirsch)**

*Nysson capensis* Handlirsch, 1887:325, ♀ (as *Capensis*, incorrect original capitalization). Holotype: ♀, South Africa: Cape Province (Eastern or Western?): no specific locality (MHNG?). – Dalla Torre, 1897:568 (in catalog of world Sphecidae); Brauns, 1911c:135 (description of ♂); Arnold, 1929a:221 (in revision of world Bembicinae), 1930:18 (in checklist of Afrotropical Sphecidae); Maidl and Klima, 1939:141 (in catalog of world Astatinae and Bembicinae, in subgenus *Brachystegus*). – As *Brachystegus capensis*: R. Bohart and Menke, 1976:473 (new generic as-

signment, in checklist of world Sphecidae); S. Gess and F. Gess, 2003:112 (Namibia: visiting flowers of *Deverra denudata* (Viv.) Pfisterer and Podl., Apiaceae).

### 6. *cataractae* Arnold

*Brachystegus cataractae* Arnold, 1940:111, ♀. Holotype: ♀, Zimbabwe: Victoria Falls (SAM). – R. Bohart and Menke, 1976:473 (in checklist of world Sphecidae).

### 7. *cilius* Wu and Zhou

*Brachystegus cilius* Wu and Zhou, 1991:364, ♀. Holotype: ♀, China: Yunnan: Jinpingmengla (Zool. Inst., Acad. Sinica, Beijing). – Wu and Zhou, 1996a:139 (in revision in Economic Insect Fauna of China).

### 8. *decipiens* (Arnold)

As *Nysson ludovici*: R. Turner, 1920:495 (♀ only).

*Nysson decipiens* Arnold, 1929a:225, ♀, ♂. Holotype: sex not stated, one of the following localities: South Africa: KwaZulu-Natal: Zululand: Mfongosi; Zimbabwe: Bembesi, Bulawayo (SAM). – Arnold, 1930:18 (in checklist of Afrotropical Sphecidae); Pate, 1938c:160 (tentatively assigned to *Brachystegus*); Maidl and Klima, 1939:141 (in catalog of world Astatinae and Bembicinae, in subgenus *Brachystegus*); Hancock, Chahwanda, and Mhlanga, 1995:39 (syntypes in Bulawayo Museum). – As *Brachystegus decipiens*: R. Bohart and Menke, 1976:473 (new generic assignment, in checklist of world Sphecidae).

### 9. *decoratus* (R. Turner)

*Nysson decoratus* R. Turner, 1914b:254, ♀, ♂. Holotype: ♂, India: Tamil Nadu: Coimbatore (BMNH). – Pate, 1938c:160 (tentatively assigned to *Brachystegus*); Maidl and Klima, 1939:134 (in catalog of world Astatinae and Bembicinae). – As *Brachystegus decoratus*: R. Bohart and Menke, 1976:473 (new generic assignment, in checklist of world Sphecidae); Krombein, 1985a:17 (valid species), 1998:828 (first record from Sri Lanka); Amal and Girish Kumar, 2024:148 (in key to *Brachystegus* of India).

### 10. *dubitatus* (R. Turner)

*Nysson dubitatus* R. Turner, 1914b:255, ♀. Holotype: ♀, India: Tamil Nadu: Coimbatore (BMNH). – R. Turner, 1917e:184 (India: Bihar: Pusa; description of ♂); Maidl and Klima, 1939:135 (in catalog of world Astatinae and Bembicinae); Pate, 1938c:160 (tentatively assigned to *Brachystegus*). – As *Brachystegus dubitatus*: R. Bohart and Menke, 1976:473 (as junior synonym of *Brachystegus decoratus*); Krombein, 1985a:17 (Sri Lanka, India; valid species; redescription); Amal and Girish Kumar, 2024:148 (in key to *Brachystegus* of India).

### 11. *gregoryi* (R. Turner)

*Nysson gregoryi* R. Turner, 1912c:417, ♀. Holotype or syntypes: ♀, British East Africa, now Kenya: Nyomps Ndogo (BMNH). – Arnold, 1929a:223 (original description copied), 1930:18 (in checklist of Afrotropical Sphecidae); Pate, 1938c:160 (tentatively assigned to *Brachystegus*); Maidl and Klima, 1939:141 (in catalog of world Astatinae and Bembicinae, in subgenus *Brachystegus*). – As *Brachystegus gregoryi*: R. Bohart and Menke, 1976:473 (new generic assignment, in checklist of world Sphecidae).

### 12. *incertus* (Radoszkowski)

*Nysson incertus* Radoszkowski, 1877:45, ♀. Holotype or syntypes: ♀, Uzbekistan: Zeravshan valley: no specific locality (ZMMU). – Handlirsch, 1887:400 (original description translated into German); Gussakovskij, 1933b:288 (Iran), 1935:438 (Tajikistan); Maidl and Klima, 1939:140 (in catalog of world Astatinae and Bembicinae, in subgenus *Brachystegus*); de Beaumont, 1967a:319 (Turkey). – As *Brachystegus incertus*: R. Bohart and Menke, 1976:473 (new generic assignment, in checklist of world Sphecidae); Esenbekova and Kazenas, 2000:58 (south-east Kazakhstan: near Borandysu, 10 and 20 km west of Chundzha); Kazenas, 2001b:44 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2002a:115 (geographic distribution, collecting localities in Kazakhstan); Nemkov, 2003b:2 (in key to Palearctic *Brachystegus*), 4 (synonymy, geographic distribution); Ljubomirov and Yild-

irim, 2008:65 (in catalog of Crabronidae of Turkey); Sakenin, Samin, Bagriacik, and Rastegar, 2011:2 (Iran: Golestan: Gonabad); Kazenas, 2013b:497 (southeast Kazakhstan: 10 km west of Chundzha on Sharyn River); Yıldırım, Ljubomirov, and Lelej, 2014:5 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:139 (in checklist of Hymenoptera of Turkey); Yıldırım, Ljubomirov, Özbek, and Yüksel, 2016:11 (Turkey: Ağrı, Iğdır, Mersin, and Tunceli provinces); Jahantigh, Rakhshani; Mokhtari, and Ramroodi, 2017:44 (Iran: known from East Azerbaijan, Fars, Golestan, Kerman, Khuzestan, Mazandaran, Sistan-o Baluchestan, and South Khorasan provinces); Nemkov, 2017:Table p. 5 (in zoogeographic analysis of Palearctic Bembicinae); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:8 (Azerbaijan: Nakhichevan Autonomous Republic); Kaplan and Yıldırım, 2021:23 (in catalog of Crabronidae of Turkey); Can and Saboori, 2023:81 (Turkey: parasitized by larvae of mite *Leptus rosellae* Haitlinger (Trombidiformes: Erythraeidae)); Kaplan and Yıldırım, 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:426 (Uzbekistan: distribution).

*Nysson decemnotatus* F. Morawitz, 1890:609, ♂. Holotype or syntypes: ♂, Turkmenistan: Tedjen (ZIN). Synonymized with *Nysson incertus* by Gussakovskij, 1933b:288, synonymy confirmed by Nemkov, 2003b:4. – Handlirsch, 1895:809 (Morawitz's description copied with comments); Dalla Torre, 1897:568 (in catalog of world Sphecidae); Moidl and Klima, 1939:140 (in catalog of world Astatinae and Bembicinae, in subgenus *Brachystegus*); Myartseva, 1972:91 (Turkmenistan). – **As *Brachystegus decemnotatus***: R. Bohart and Menke, 1976:473 (new generic assignment, in checklist of world Sphecidae, as valid species).

### 13. *ludovici* (R. Turner)

*Nysson ludovici* R. Turner, 1920:495, ♀, ♂ (♀ = *Brachystegus decipiens*). Holotype or syntypes: South Africa: Natal: Zululand: M'fongosi (SAM). – Arnold, 1930:18 (in checklist of Afrotropical Sphecidae); Pate, 1938c:160 (tentatively assigned to *Brachystegus*); Moidl and Klima, 1939:142 (in catalog of world Astatinae and Bembicinae, in subgenus *Brachystegus*). – **As *Brachystegus ludovici***: R. Bohart and Menke, 1976:473 (new generic assignment, in checklist of world Sphecidae).

### 14. *madhavani* Amal and Girish Kumar

*Brachystegus madhavani* Amal and Girish Kumar, 2024:148, ♀. Holotype: ♀, India: West Bengal: Parganas District: Sunderbans: Chamta at 21°53'28"N 88°54'15"E (National Zoological Collections, Zoological Survey of India, Western Ghat Regional Centre, Kozhikode, India). – Amal and Girish Kumar, 2024:148 (in key to *Brachystegus* of India).

### 15. *magrettii* (Mantero)

*Nysson magrettii* Mantero, 1917:374, ♂ (as *Magrettii*, incorrect original capitalization). Syntypes: ♂, Eritrea: Sabarguma (Genova); Moidl and Klima, 1939:142 (in catalog of world Astatinae and Bembicinae, in subgenus *Brachystegus*). – **As *Brachystegus magrettii***: R. Bohart and Menke, 1976:473 (new generic assignment, in checklist of world Sphecidae); Madl, 2023:244 (in catalog of Crabronidae of Eritrea).

### 16. *nasutus* (Cameron)

*Nysson nasutus* Cameron, 1908a:293, sex not stated. Holotype or syntypes: Tanzania: Mount Meru lowlands (NRS). – Arnold, 1929a:222 (original description copied), 1930:18 (in checklist of Afrotropical Sphecidae); Pate, 1938c:160 (tentatively assigned to *Brachystegus*); Moidl and Klima, 1939:142 (in catalog of world Astatinae and Bembicinae, in subgenus *Brachystegus*). – **As *Brachystegus nasutus***: R. Bohart and Menke, 1976:473 (new generic assignment, in checklist of world Sphecidae).

**17. *nemkovi* Schmid-Egger and Al-Jahdhami**

*Brachystegus nemkovi* Schmid-Egger and Al-Jahdhami, 2025:250, ♂. Holotyp: ♂, Saudi Arabia: Asir Province: 10 km north of Al Habil at 18.164°N 42.246°E (Ch. Schmid-Egger personal collection, Berlin, Germany). – Schmid-Egger and Al-Jahdhami, 2025:249 (in key to Nyssonini of Arabian Peninsula).

**18. *nikitini* Nemkov**

*Brachystegus nikitini* Nemkov, 2004a:2, ♂. Holotype: ♂, Nepal: Chitwan District: Sauraha at 27°34'N 82°29'E (ZSBS). – Amal and Girish Kumar, 2024:148 (in key to *Brachystegus* of India).

**19. *pieli* (Yasumatsu)**

*Nysson pielii* Yasumatsu, 1943:21, ♀. Holotype: ♀, China: Anhwei: Yuevan Kiai (Heude Mus., Shanghai). – **As *Brachystegus pielii***: R. Bohart and Menke, 1976:473 (new generic assignment, in checklist of world Sphecidae); Wu and Zhou, 1991:365 (China), 1996a:140 (in revision in Economic Insect Fauna of China); Nemkov, 2003b:2 (in key to Palearctic *Brachystegus*); Wu, Zhou, Q. Li, and Yang, 2003:816 (China: Fujian Province); Hua, 2006:277 (in list of Chinese insects, geographic distribution); Nemkov, 2017:Table p. 5 (in zoogeographic analysis of Palearctic Bembicinae).

**20. *rhodesiae* (Arnold)**

*Nysson rhodesiae* Arnold, 1929a:228, ♀, ♂. Syntypes: Zimbabwe: Insiza, Sawmills, Victoria Falls (SAM). – Arnold, 1930:18 (in checklist of Afrotropical Sphecidae); Pate, 1938c:160 (tentatively assigned to *Brachystegus*); Maidl and Klima, 1939:142 (in catalog of world Astatinae and Bembicinae, in subgenus *Brachystegus*); Hancock, Chahwanda, and Mhlanga, 1995:39 (syntypes in Bulawayo Museum). – **As *Brachystegus rhodesiae***: R. Bohart and Menke, 1976:473 (new generic assignment, in checklist of world Sphecidae).

**21. *samadashanensis* Al-Jahdhami and Schmid-Egger**

*Brachystegus samadashanensis* Al-Jahdhami and Schmid Egger, 2025:250, ♀, ♂. Holotype: ♀, Oman: Al Mudhaibi: Samad Ashan: Aswareg at 22.82°N 58.15°E (ZMHU). – Schmid-Egger and Al-Jahdhami, 2025:249 (in key to Nyssonini of Arabian Peninsula).

**22. *scalaris* (Illiger)**

*Nysson interruptus* Latreille, 1803:580, ♀, junior secondary homonym of *Nysson interruptus* (Fabricius, 1798). Holotype or syntypes: southern France: no specific locality (lost). – Latreille, 1805:306 (redescription, may be a ♀ of *Nysson trimaculatus*), 1809:91 (redescription, given as synonyms: *Oxybelus interruptus* Fabricius, *Crabro trimaculatus* Panzer, and *Mellinus dissectus* male variety); Wesmael, 1852:75 (discussion of name).

*Nysson scalaris* Illiger, 1807:157, substitute name for *Nysson interruptus* Latreille, 1803. – F. Smith, 1856:354 (in catalog of Hymenoptera in British Museum); A. Costa, 1864b:98 (specimen from France in Museo Zoologico di Napoli); Siła-Nowicki, 1864:55 (Ukraine: L'viv, Pieniaki in Zlochiv District), 1865:55 (western Ukraine: Galicia region: no specific locality); A. Costa, 1867c:57 (in revision of Italian Sphecidae); Chevrier, 1867b:14 (in revision of Swiss *Nysson*; Switzerland: Nyon); Gerstaecker, 1967b:100 (in revision of *Nysson*); Wierzejski, 1868:117 (Ukraine: Podole Region: Pieniaki); A. Costa, 1869b:73 (in revision of Italian Sphecidae); Dours, 1874:149 (in catalog of Hymenoptera of France); Wierzejski, 1874:260 (Ukraine: Podole Region: Pieniaki); Becker, 1880:152 (Russia: Sarepta, now Krasnoarmeysk south of Volgograd); Sajó, 1882:6 (Hungary); Kohl, 1883e:665 (Switzerland); Handlirsch, 1887:319 (in revision of world Bembicinae); F. Morawitz, 1891a:217 (Russia: Astrakhan Governorate); Radoszkowski, 1892:589 (male genitalia), 1893a:71 (Turkmenistan: Serax); Baldini, 1894:66 (Italy: Modena area); F. Morawitz, 1894:356 (Turkmenistan: Chuli); Schletterer, 1894:32 (Istria Peninsula, now part of Croatia, Slovenia, and Italy); De Stefani Perez, 1895:227 (in catalog of Sicilian Hymenoptera); Handlirsch, 1895:808 (additional bibliography, status of var. *transcaspicus*; faunal records); Dalla Torre, 1897:574 (in catalog of world Sphecidae); Bingham, 1898a:105 (Yemen: Aden); Mocsáry, 1900:81 (Kingdom of Hungary, some localities are in today's Romania and Slovakia); Handlirsch, 1898b:485 (Algeria); de Cobelli, 1903:112 (Italy: Province of Trentino: Alle

Sarthe, Rovereto); Antiga and Bofill, 1904:14 (Spain: Cataluña Province); E. Saunders, 1904c:637 (Spain: La Granja); W. Schulz, 1904b:97 (Russia: Sarepta, now Krasnoarmeysk); Dusmet y Alonso, 1906:6 (Spain); Schmiedeknecht, 1907:227, 228 (in key to Hymenoptera of Central Europe); de Gaulle, 1908:120 (in catalog of French Hymenoptera); Mercet, 1909a:617, 626 (in key to *Nysson* of Spain); Graeffe, 1911:47 (Italy: Trieste area); Birula, 1912:541 (Ukraine: Zhytomyr Oblast': Radomyshl'); Schirmer, 1912:167 (Germany: Berlin area); Kohl, 1913b:15 (Russia: Voronezh Oblast': Valuyki at 50°14'N 38°08'E); Dusmet, 1915:87 (Spain: Aragón); O. Meyer, 1919:154 (Germany: Posen Province, now Poland: Poznań Region); A. Wagner, 1920:34 (Germany: Mark Brandenburg); Berland, 1925d:103 (in Sphecidae Fauna of France); Schmiedeknecht, 1930:688, 690 (in keys to Hymenoptera of North and Central Europe); Balles, 1934:20 (Germany: Baden-Württemberg: Fautenbach); Grandi, 1935a:110 (Italy); Zavadil, Šustera, and Bat'a, 1937:197 (in catalog of Sphecidae of Czechoslovakia); Kuntze and Noskiewicz, 1938:407 (Poland: Podole region, now Ukraine, also known from more northern parts of Poland); Maidl and Klima, 1939:140 (in catalog of world Astatinae and Bembicinae, in subgenus *Brachystegus*); Zavadil, 1939:121 (Czech Republic); Paul, 1941:46 (Germany: Mecklenburg-Vorpommern: Geesow); Balthasar, 1943:42 (Czech Republic: Moravia: Zlin area); Deleurance, 1943:57 (France: Dordogne: Montignac; nest parasite of *Tachytes europaeus* = *panzeri*); Giner Marí, 1943a:159 (in Sphecidae Fauna of Spain); Balthasar, 1948:142 (Slovakia: Kovačov, Parkan); Zavadil in Zavadil and Šnoflak, 1948:156 (in key to Sphecidae of Czechoslovakia); de Beaumont, 1951g:315 (Italy), 1953g:115 (Morocco; geographic variation); Głowacki, 1953:520 (Poland: Podkowa Leśna near Warszawa); Móczár, 1953:310 (Hungary); de Beaumont, 1954c:89 (Italy); Grandi, 1954:234 (Italy); Steiner, 1955:146 (France: Dordogne); Vogrin, 1955:36 (Yugoslavia); Ceballos, 1956:381 (in catalog of Hymenoptera of Spain); Bajári, 1957a:111 (in key to Hungarian Sphecidae); Wolf, 1959b:29 (known from Germany, but not from Nassau); Noskiewicz and Puławski, 1960:101, 103 (in key to Polish Sphecidae, not yet found in Poland); Lehrer and Scutaru, 1963:286 (Romania: Moldova: Mircești in Iași District); de Beaumont, 1964c:60 (in Sphecidae Fauna of Switzerland); Evans, 1966d:89 (synopsis of behavioral observations by Deleurance, 1943); Balthasar, Hrubant, and Hrubant, 1967:173 (Bulgaria: Slanchev Bryag near Nessebar); de Beaumont, 1967a:319 (Turkey); Gauss, 1967:552 (Germany: Baden-Württemberg: Bauland, Nördliches Rheinvorland); Scobiola-Palade, 1967a:161 (Romania: Constanța District: Băneasa, Hagieni), 1967b:49 (Romania), 1968b:142 (Romania: Island of Letea in delta of Danube); Benedek, 1969a:83 (Hungary; marshy meadow); Oehlke, 1970:700 (Democratic Germany); Balthasar, 1972:348 (in Sphecidae Fauna of Czechoslovakia); Kazenas, 1972b:153 (Kazakhstan); Diniz, 1973:49 (Portugal: Lamego, Rezende); Kolesnikov, 1977:318 (Russia: Bryansk Oblast'); Kazenas, 1978b:90, 93 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1978:210 (in key to Sphecidae of European part of USSR); Skibińska, 1982:123 (Poland: Warszawa area); Scobiola-Palade, 1985:96 (Romania: delta of Danube); Pádr in Šedivý, 1989:167 (in checklist of Czechoslovakian Sphecidae); Kuznetzova, 1990:19 (Russia: Voronezh Oblast': Galich'ya Gora Nature Reserve); Delarze, 1992:68 (Switzerland: Valais: Les Follatères). – **As *Brachystegus scalaris***: Grandi, 1962:97 (new generic assignment, Italy); R. Bohart and Menke, 1976:473 (in checklist of world Sphecidae); Guichard, 1978:271 (first record from Greece: Karpenission); Schmidt, 1979b:339 (Germany: Baden-Württemberg); Gayubo, 1982b:37 (Spain: Ávila, Cáceres, and Salamanca provinces); Dollfuss, 1983b:21 (in catalog of Sphecidae of Austria); Gayubo, 1983e:233 (Spain: Salamanca Province); Józán, 1985b:61 (Hungary south of Lake Balaton), 84 (ecological and zoogeographic characteristics); Radović, 1985:65 (sting apparatus analyzed); Westrich and Schmidt, 1985b:110 (Germany: extinct in Baden-Württemberg); Gayubo and Sanza, 1986:73 (Spain: Burgos, Segovia); Karsai, 1988:101 (Hungary: Kiskunság National Park); Jacobs, 1989:26 (Müller's, 1918 record from Mecklenburg is incorrect); Jacobs and Oehlke, 1990:122 and 208 (not collected in Democratic Germany after 1960), 208 (last record from Democratic Germany is Paul, 1941); Pagliano, 1990:67 (in catalog of Italian Sphecidae); Day, 1991:xiii (summary of European Endangered Hymenoptera Lists); Dollfuss, 1991:189 (in key to Sphecidae of North and Central Europe); Gayubo, Borsato, and Osella, 1991:412 (Italy: Piemonte: Perosa Argentina); Józán, 1992b:175 (Hungary: Boronka-melléki Protected Area), 1992c:290 (Hungary: Zselic Hills); Pagliano, 1992a:33 (in key to Italian *Nyssoninae*); Dollfuss, 1994:97 (endangered in Austria); Gayubo and Borsato, 1994:216

(Italy: Emilia); Gorobchishin, 1995:18 (Ukraine: Kanev Nature Reserve); Negrisoló in Minelli, Ruffo, and La Posta, 1995b:4 (in catalog of Italian fauna); Scharrer, 1995:29 (Croatia: Island of Krk); Gorobchishin, 1996:53 (Ukraine: Kanev Nature Reserve); Schmid-Egger, Schmidt, and Doczkal, 1996:376 (Germany: Baden-Württemberg: last collected in 1941); Voblenko, Gorobchishin, and Nesterov, 1996:15 (Ukraine: Polesye Region); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:138 (in Sphecidae 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, 1998:28 (Germany: in list of Sphecidae of Brandenburg), 32 (extinct); Dollfuss, Gusenleitner, and Bregant, 1998:522 (Austria: summary of collecting records from Burgenland); Shkuratov, 1998:97 (Russia: Rostov Oblast'); Blösch, 2000:369 (in Sphecidae Fauna of Germany); Esenbekova and Kazenas, 2000:58 (southeastern Kazakhstan: 12-15 km southwest of Alma Ata); Gayubo, González, and Torres, 2000:187 (Spain: Salamanca Province); Józán, 2000:112 (Hungary: Bakony Mountains); Ljubomirov, 2000:12 (Bulgaria: specimens in N. Nedelkov collection); Shkuratov, 2000:57 (Russia: Rostov Oblast': Vëshenskaya village area at 49°37'N 41°45'E); Basset, 2001:81 (France: Département de Gironde); Józán, 2001:281 (Hungary: Somogy County); Kazenas, 2001b:44 (in checklist of Sphecidae of Kazakhstan and Central Asia), 219 (review of known biology); Ohl et al., 2001:137 (distribution in Germany by provinces); Kazenas, 2002a:116 (geographic distribution, collecting localities in Kazakhstan); Kazenas and Esenbekova, 2001:135 (Kazakhstan: Almatinskiy Nature Reserve); Shkuratov, 2002b:140 (Russia: Rostov Oblast': Rostovskiy Nature Reserve at 46°27'N 42°41'E); Shlyakhtenok and Skibińska, 2002:35 (Belorussia: no specific locality); González, Gayubo, Asís, Tormos, and García, 2003:61 (Spain: Soria: Chavaler); Nemkov, 2003b:3 (in key to Palearctic *Brachystegus*, synonymy, geographic distribution); Protsenko, 2003:68, 69 (Ukraine: Odessa Oblast': island of Malyi Tataru in Danube delta at 45.21°N 29.00°E); Esser, Jakubzik, and Sonnenburg, 2004:18 (Germany: Nordrhein-Westfalen); Esser, Jakubzik, Sonnenburg, and Woydak, 2004:261 (Germany: in checklist of Sphecidae of Nordrhein-Westfalen); Kazenas, 2004b:109 (Kazakhstan: western Tien Shan); Shkuratov, 2004a:76 (Russia: Rostov Oblast'), 2004b:166 (Russia: Rostov Oblast': Gosudarstvennyi Muzey-Zapovednik M.A. Sholokhova); Skibińska in Bogdanowicz, Chudzicka, Pilipiuk, and Skibińska, 2004:355 (in catalog of Polish Crabronidae); Wiśniowski, 2004:51 and 62 (in checklist of Polish Sphecidae); Burger, 2005:36 (Germany: not occurring in Thüringen); Gayubo and Özbek, 2005:15 (Turkey: five localities); Pagliano and Negrisoló, 2005:121 (in Sphecidae Fauna of Italy); Saure, 2005:13 (Germany: Berlin); Shorenko, 2005a:167 (Ukraine: Crimea), 2005b:98 (Ukraine: Crimea: Karadagh Nature Reserve); Straka, 2005a:393 (extinct in Czech Republic); Yildirim and Ljubomirov, 2005:1793 (Turkey: Erzurum: Tortum; İğdir: Çalpa); Gorobchishin, 2006:137 (Ukraine: Cherkasy Oblast': Kaniv Nature Reserve); Burguet, 2007:unnumbered p. 13 (France: Puy-de-Dôme: sands Girauds-Faures in Orléat commune); Jacobs, 2007:167 (in key to Crabronidae of Germany); Józán, 2007:180 (Hungary: Zselic hills); Kazenas, 2007a:92 (Kazakhstan: Akmala Oblast': Kurgandzhin Nature Reserve and vicinity); Saure, 2007:81 (Germany: in checklist of Aculeata of Brandenburg); Vepřek and Straka, 2007:207 (in catalog of Sphecidae of Czech Republic and Slovakia); Ljubomirov and Yildirim, 2008:66 (in catalog of Crabronidae of Turkey); Baños-Picón, Asís, Gayubo, and Tormos, 2009:311 (Spain: frequency of specimens collected with hand nets and Malaise traps); Gayubo, González, Tormos, and Asís, 2009:364 (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); Shorenko, 2009:368 (in list of Sphecidae *sensu lato* of Crimea); Baghirov, 2010:678 (Russia: Altai Territories: Biysk, village Kosh-Agach); Bitsch, 2010:108 (in supplement to vol. II of Faune de France, 1997: recent records reviewed, France: first record from Landes: Sore); Mokrousov, 2010a:61 (Russia: Nizhniy Novgorod Oblast': no specific localities), 2010b:100 (Russia Nizhniy Novgorod Oblast': no specific localities); Schmid-Egger, 2010a:14 (in red list of Aculeata of Germany: extinct, last collected in 1937); Shorenko and Konovalov, 2010:14 (Ukraine: Khar'kov Oblast': Gaidary, Khar'kov, Martovayia, Skripai); Smetana, Roller, Beneš, Bogusch, Dvořák, Holý, Karas, Macek, Straka, Šima, Tyrner, Vepřek, and Zeman, 2010:88 (Western Slovakia: Borská Nížina), 101 (Western Slovakia: recorded from Borská Nížina); Baghirov, 2011b:143 (Russia: Altay Republic: Kosh-Agach); 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); Gogala, 2011:29 (Slovenia); Józán, 2011:183 (in checklist of Sphecidae *sensu lato* of Hungary); Mokrousov, Berezin, and Egorov, 2011:68 (Russia: Chuvash Republic); Sakenin, Samin, Bagriacik, and Rastegar, 2011:2 (Iran: Khorasan: Serakhs); Tischendorf, Frommer, Flügel et al., 2011:181 (Germany: never found in Hessen); Boillat, 2012:227 (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); Nemkov, 2012b:126 (review of known host species); Prisiy, 2012:50 (Russia: Belgorod Oblast'); Shibayev and Polumordvinov, 2012:278 (Russia: Penza Oblast'); Yildirim, 2012:75 (Turkey: Iğdir: Tuzluca); Mokrousov, Ruchin, and Egorov, 2013:199 (Russia: Mordovian Republic: Mordovian State Nature Reserve); Pankov, 2013:229 (Russia: Ivanovo Oblast'); Shlyakhtenok, 2013:223 (in annotated catalog of aculeate wasps of Belorussia); Bitsch, 2014:399 (France: Puy-de-Dôme: Orléat: Les Sables des Girauts-Faures); Kazenas, 2014a:137 (Kazakhstan: Karatau Mountain Range); Protsenko, Fateryga, and Ivanov, 2014:33 (Crimea: Rechnoye in Bakhchysarai District); Yildirim, Ljubomirov, and Lelej, 2014:5 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:139 (in checklist of Hymenoptera of Turkey); Shorenko, 2015:337 (in list of Sphecidae *sensu lato* of Crimea); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:11 (Turkey: Erzurum and Tunceli provinces); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:44 (Iran: known from Khorasan-e Razavi Province); Nemkov, 2017a:Table p. 5 (in zoogeographic analysis of Palearctic Bembicinae), 2017b:219 (in catalog of Bembicinae of Russia); Shorenko, 2017:79 (in Crimea collected in June), 2018:129 (Crimea, including localities, habitats, and number of specimens); Carminati, Mora, and Cretin, 2019:11 (France: in list of Sphecidae *sensu lato* of Franche-Comté); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:8 (Azerbaijan: Nakhichevan Autonomous Republic); Ruchin and Antropov, 2019a:13224 (Russia: Mordovia State Nature Reserve); Gayubo and Bitsch *in* Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:313 (in Sphecidae Fauna of Europe); Shorenko, 2020:48 (Crimea: Karadag Nature Reserve); Cross, Baldock, and Wood, 2021:31 (in catalog of Sphecidae *sensu lato* of Portugal); Kaplan and Yildirim, 2021:23 (in catalog of Crabronidae of Turkey); Olszewski, Wiśniowski, and Ljubomirov, 2021:84 (in commented list of Sphecidae *sensu lato* of Poland); Can, 2022:223 (supernumerary submarginal cell); Kaplan and Yildirim, 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:426 (Uzbekistan: distribution).
- Nysson rufipes* Olivier, 1812:408, sex not stated. Holotype or syntypes: Arabia, but actually Lower Egypt, Syria, Iran, or Iraq: no specific locality (Torino?). Synonymized with *Nysson scalaris* by Handlirsch, 1887:319. – Casolari and Casolari Moreno, 1980:125 (specimens in M. Spinola collection); Pagliano, 2014:119 (specimens in M. Spinola collection, Torino, are *Nysson fulvipes* and *Brachystegus scalaris*).
- Nysson auratus* Schummel, 1834:78, ♂. Holotype or syntypes: ♂, Germany: Niederschlesien, now Poland: Dolny Śląsk Region: no specific locality (destroyed). Synonymized with *Nysson scalaris* by Handlirsch, 1895:808.
- Nysson dufourii* Dufour, 1841a:507 and 1841b:243, sex not stated (as *Dufouri*, incorrect original capitalization, authorship attributed to Lepeletier de Saint Fargeau). Holotype or syntypes: France: Saint-Séver (donated to Lepeletier de Saint Fargeau, now?). Not listed by Bohart and Menke, 1976. – Dufour, 1841a:507 and 1841b:243 (digestive tract), 1841a:508 and 1841b:244 (male reproductive system), 1841a:509 and 1841b:245 (female reproductive system); Eversmann, 1849:395 (Russia: southern Ural Mountains); Chyzer, 1902:34 (Hungary).
- Nysson dufouri* Lepeletier de Saint Fargeau, 1845:51, ♀, ♂ (as *Dufouri*, incorrect original capitalization), junior primary homonym of *Nysson dufourii* Dufour, 1841 (Article 58.14). Syntypes: France: Saint-Séver (depository?). Synonymized with *Nysson scalaris* by Handlirsch, 1887:319. – Acloque, 1897:82 (in Sphecidae Fauna of France and Algeria); Casolari and Casolari Moreno, 1980:125 (specimens in M. Spinola collection, Torino); Pagliano, 2014:119 (specimens in M. Spinola collection, Torino, are *Brachystegus scalaris*). – **As *Brachystegus dufouri***: A. Costa, 1859:25 (new generic assignment, Italy: in revision of Sphecidae of Kingdom of Naples (Russia: Sarepta, n); Becker, 1880:152 (Krasnoarmeysk south of Volgograd); Marquet, 1881:183 (France: Landes).

*Nysson dufouri* Dahlbom, 1845:485, ♀, ♂ (as *Dufouri*, incorrect original capitalization), junior primary homonym of *Nysson dufourii* Dufour, 1841, and of *Nysson dufouri* Lepeletier, 1845. Syntypes: central and southern Europe (Lund). Synonymized with *Nysson scalaris* by Handlirsch, 1887:319, synonymy confirmed by de Beaumont, 1953h:197. – Ruthe and Stein, 1857:314 (Germany: Berlin area); Kirchner, 1867:220 (in catalog of European Hymenoptera); Brischke, 1888b:98 (Germany: Prussen Province, now Poland: Pomorze Region). – **As *Brachystegus dufouri***: Mocsáry, 1874:120 (new generic assignment, Siebenbürgen, now Romania: Transylvania: no specific locality).

*Nysson dufourianum* Blanchard, 1849:.... Synonymized with *Nysson scalaris* by Handlirsch, 1895:808.

*Nysson scalaris* var. *transcaspicus* Radoszkowski, 1893a:71, ♂ (as *transcaspica*, incorrect original termination). Holotype: ♂, Turkmenistan: Serax (Kraków). Synonymized with *Nysson scalaris* by Handlirsch, 1895:808. – Dalla Torre, 1897:574 (in catalog of world Sphecidae); Maidl and Klima, 1939:141 (in catalog of world Astatinae and Bembicinae, in subgenus *Brachystegus*).

### 23. *schneideri* Schmid-Egger and Al-Jahdhami

*Brachystegus schneideri* Schmid-Egger and Al-Jahdhami, 2025:251, ♂. Holotype: ♂, Oman: Hazam, 23 km north-northeast of Ar Rustaq at 23.558°N 57.496°E (Ch. Schmid-Egger personal collection, Berlin, Germany). – Schmid-Egger and Al-Jahdhami, 2025:249 (in key to Nyssonini of Arabian Peninsula).

### 24. *senegalensis* Arnold

*Brachystegus senegalensis* Arnold, 1951:123, ♀, ♂. Syntypes: Mali: Diafarabé (BMNH). – R. Bohart and Menke, 1976:473 (in checklist of world Sphecidae).

### 25. *violaceipennis* (Cameron)

*Nysson violaceipennis* Cameron, 1904a:10, ♂. Holotype or syntypes: ♂, India: Sikkim: no specific locality (BMNH). – Ramakrishna Aiyar, 1916:556 (in catalog of Indian aculeates described after Bingham, 1897); Maidl and Klima, 1939:135 (in catalog of world Astatinae and Bembicinae). – **As *Brachystegus violaceipennis***: R. Bohart and Menke, 1976:473 (new generic assignment, in checklist of world Sphecidae); Amal and Girish Kumar, 2024:148 (in key to *Brachystegus* of India); Amal, Anand, Rameshkumar and Girish Kumar, 2025:69 (India: State of Manipur: Tamenglong District: Zeilad Wildlife Sanctuary at 24.9059°N 93.3734°E, description of ♀).

### sp.

Hendrickson, 1930:158 (Iowa).

## SPECIES DESCRIBED IN *BRACHYSTEGUS* AND TRANSFERRED TO OTHER GENERA

*metathoracicus* H. Smith, 1908 = *Epinysson*

*maculipes* Mickel, 1916 = *Nysson*

*trichrus* Mickel, 1916 = *Nysson*