

Last updated: 30 November, 2023

CHILOSPHEX

Chilosphex Menke in R. Bohart and Menke, 1976:39 and 128. Type species: *Sphex argyrius* Brullé, by original designation.

Review: Danilov and Odintsev, 2022:587.

Review of biology: Kazenas: 2001b:88.

1. *argyrius* (Brullé)

Sphex argyrius Brullé, 1833a:367, ♀ (as *argyria*, incorrect original termination). Holotype or syntypes: ♀, Greece: Morea, now Peloponnesus: Carithène (MNHN). – Kohl, 1885b:179 (in revision of Palearctic *Sphex*); Gasperini, 1887:18 (recorded as *Sphex confinis* from Dalmatia, now Croatia, by Dahlbom, 1845); Ed. André, 1888:137, 152 (in revision of Sphecidae of Europe and Algeria); Kohl, 1890b:327 (in revision of world Sphecini); Ed. André, 1891:7* (bibliographic references); Dalla Torre, 1897:415 (in catalog of world Hymenoptera); W. Schulz, 1904b:93 (Greece: Island of Corfu); Dusmet and Mercet, 1906:504, 513 (in key to Spanish Sphecini); Dusmet and Mercet, 1906:505 (in key to Spanish Sphecini); Graeffe, 1911:49 (Italy: Trieste area); Dusmet y Alonso, 1915:86 (Spain: Aragón); Morice, 1921:822 (Iraq: Amara); Maidl, 1922:67 (Croatia); Berland, 1923b:287 (France: first locality records), 1925d:38 (in Sphecid Fauna of France); Roth, 1925:379 (in revision of North African Sphecini); Berland, 1926b:166 (France: Vaucluse: Brantes); Gussakovskij, 1930c:211 (in key to Palearctic *Palmodes*), 1933b:271 (Iran); Dusmet y Alonso, 1935:56 (Spain: Madrid: El Escorial), 58 (Spain: Madrid: Collado Mediano); Bernard, 1936b:167 (France: Var: Fréjus); Giner Marí, 1943a:80 (in Sphecid Fauna of Spain); Zavadil in Zavadil and Šnoflak, 1948:167 (in key to Sphecidae of Czechoslovakia, not yet found in Czechoslovakia); Berland and Bernard, 1949:3 (in revision of French *Sphex sensu lato*); Cleu, 1953:50 (France: Ardèche River basin); de Beaumont and Bytinski-Salz, 1955:40 (Israel); Leclercq, 1955h:29 (bibliographic references); Vogrin, 1955:31 (Yugoslavia); Ceballos, 1956:363 (in catalog of Hymenoptera of Spain); Bajári, 1957a:7, 10 (in key to Hungarian Sphecidae, not yet found in Hungary); Berland, 1958:66 (nesting habits); Ceballos, 1959:228 (in supplement to catalog of Spanish Sphecidae); de Beaumont, 1959a:10 (Italy); Suárez, 1959:53 (Spain: Almería Province); Roth, 1963:146 (in revision of Palearctic *Palmodes*); Ceballos, 1964:87 (in supplement to catalog of Spanish Sphecidae); de Beaumont, 1965a:12 (Greece); Roth in de Beaumont, 1967a:369 (Turkey); Balthasar, 1972:422 (in Sphecid Fauna of Czechoslovakia: not yet found in country); Marion, 1978:85 (France: Ardèche); Pulawski, 1978:184 (in key to Sphecidae of European part of USSR); Piek and Spanjer, 1986:189 (in list of Sphecidae with known prey); Ebrahimi, 1993:95 (Iran). – **As *Chlorion argyrius***: Derwesh, 1965:70 (new combination, Iraq: no specific locality). – **As *Chilosphex argyrius***: R. Bohart and Menke, 1976:128 (new combination, in checklist of world Sphecidae); Pagliano, 1980:110 (Italy: Lazio); Gayubo, 1981a:136 (northern Spain: Sierra de Béjar); Mingo and Gayubo, 1983:151 (Spain); Pagliano, 1984:366 (Italy) 1985:5 (Italy); Steiner, 1986:97 (references to papers on nesting habits); Gayubo, 1987:107 (Spain: Ciudad Real Province); Pagliano, 1990:57 (in catalogue of Italian Sphecidae); Gayubo, Asís, and Tormos, 1990a:10 (Spain); Dollfuss, 1991:28 (in key to Sphecidae of North and Central Europe); Hamon, Fonfria, and Tussac, 1991:126 and 129 (in key to French Sphecini), 132 (in France along Mediterranean shore and adjacent areas); Negrisoló in Minelli, Ruffo, and La Posta, 1995b:2 (in catalog of Italian fauna); Scharrer, 1995:22 (Croatia: Island of Krk); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:45 (in Sphecid Fauna of Western Europe); Gogala, 1997:5 (nesting habits); Giachino, Grosso, Marchetti, Pagliano, Scaramozzino, and Vailati, 2000:104 (Greece); Cungs and Jakubzik, 2001:122, 123, 124 (first record from Luxembourg); Kazenas, 2001b:14 (in checklist of Sphecidae of Kazakhstan and Central Asia), 88 (review of known biology); Gayubo and Özbek, 2005:8 (Turkey: Erzurum: Ýspir; Kars: Karakurt at 40°07'N 42°30'E); Pagliano and Negrisoló, 2005:47 (in Sphecid Fauna of Italy); Standfuss and Standfuss, 2006c:307 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Cungs, Jakubzik, and Cölln, 2007:139 (Luxemburg: Haardt Nature Reserve); Dollfuss, 2008b:1399 (Croatia: Island of Krk: Baska, Italy: Liguria: San Damiano); Ljubomirov and Yildirim,

2008:21 (in catalog of Sphecidae of Turkey); Baños-Picón, Asís, Gayubo, and Tormos, 2009:310 (Spain: frequency of specimens collected with hand nets and Malaise traps); González, Gayubo, Asís, and Tormos, 2009:622 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park); Józán, 2009:165 (Croatia); Bitsch, 2010:104 (in supplement to vol. II of Faune de France, 1997: biological observations by Gogala, 1997 and record from Luxemburg reported); van der Smissen, 2010b:384 (France: Ardèche: Saint-Maurice-d'Ibie, Saint-Thomé, Vogüé); Cruz-Sánchez, Asís, Gayubo, Tormos, and González, 2011:497 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park: effects of wildfire); Gogala, 2011:5 (Slovenia); Bayındır, Gürbüz, Ljubomirov, and Pohl, 2013:146 (Turkey: Isparta: Kasnak Oak Forest Nature Reserve); Bitsch, 2014:396 (paper by van der Smissen, 2010, reported); Ebrahimi, 2014:20 (Iran: Fārs and Ilām provinces); Józán, 2014:131 (Croatia: Lukovo Šugarje); Yildirim, 2014:29 (Turkey: distribution by biogeographic provinces); Koçak and Kemal, 2015:278 (in checklist of Hymenoptera of Turkey); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:5 (Turkey: Erzurum and Tunceli provinces); Arens, 2017a:626 (Greece: Peloponnesus); Danilov, 2017b:214 (in catalog of Sphecidae s.s. of Russia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:24 (Iran: known from Fars, Ilam, Kohgiluyeh-va Boyerahmad, Golestan, Sistan-o Baluchestan, and Tehran provinces); Augul, 2019:496 (recorded from Iraq by Morice, 1921); Danilov, 2019:77 (in review of Palearctic Prionychini); Bitsch, Barbier, and Jacobs *in* Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:129 (in Sphecid Fauna of Europe); Danilov, 2020:319 (specimens from Croatia and Russia: Dagestan in Institute of Systematics and Ecology of Animals, Novosibirsk, Russia); Danilov and Odintsev, 2022:589 (in review of *Chilosphex*); Kaplan and Yildirim, 2023:1692 (in checklist of Sphecidae *sensu lato* of Turkey).

Sphex emarginatus Brullé, 1833:368, ♂ (as *emarginata*, incorrect original termination), junior primary homonym of *Sphex emarginatus* Villers, 1789. Holotype: ♂, Greece: Morea Peninsula, now Peloponnesus: Carithène (MNHN). Synonymized with *Sphex argyrius* by Kohl, 1885b:179, and 1885c:165. – F. Smith, 1856:242 (in catalog of Hymenoptera in British Museum); Kirchner, 1867:218 (in catalog of European Hymenoptera).

2. *pseudargyrius* (Roth)

Sphex pseudargyrius Roth *in* de Beaumont, 1967a:369, ♀, ♂. Holotype: ♀, Turkey: Mersin: Mut (J. Gusenleitner coll., Linz, Austria). – As *Chilosphex pseudargyrius*: R. Bohart and Menke, 1976:128 (new combination, in checklist of world Sphecidae); Dollfuss, 2008b:1400 (Turkey: 20 km north of Mardin, Akseki: Murtici); Ljubomirov and Yildirim, 2008:22 (in catalog of Sphecidae of Turkey); Yildirim, 2014:29 (Turkey: distribution by biogeographic provinces); Koçak and Kemal, 2015:278 (in checklist of Hymenoptera of Turkey); Danilov, 2019:77 (in review of Palearctic Prionychini); Danilov and Odintsev, 2022:591 (in review of *Chilosphex*); Kaplan and Yildirim, 2023:1692 (in checklist of Sphecidae *sensu lato* of Turkey).