

Last updated: 31 May 2025

GASTROSERICUS

Gastrosericus Spinola, 1839:480. Type species: *Gastrosericus waltlii* Spinola, 1839, by monotypy. – As *Gasterosericus* (unjustified emendation or misspelling): Dahlbom, 1845:467; Brauns, 1906:49, 51, 52.

Eparmatostethus Kohl, 1907:167. Type species: *Eparmatostethus madecassus* Kohl, 1907, by monotypy. Synonymized with *Gastrosericus* by Arnold, 1927:116. – As *Eparmostethus* (misspelling): Pate, 1937:26, Bohart and Menke, 1976:43.

Paralellopsi Maidl, 1914b:147. Type species: *Paralellopsi africana* Maidl, 1914 [= *Gastrosericus neavei* Turner, 1913], by original designation and monotypy. Synonymized with *Gastrosericus* by Arnold, 1922:114. – As *Paralellopsi* (misspelling): Turner, 1916:258; Pate, 1937:47.

Dinetomorpha Gussakovskij, 1931a:451. Not available: type species not designated (Article 13.3 of the Code).

Gastrargyron Gussakovskij, 1931a:451. Not available: type species not designated (Article 13.3 of the Code).

Dinetomorpha Pate, 1937:22, validation of *Dinetomorpha* Gussakovskij, 1931a:451, a subgenus of *Gastrosericus* (Article 13.1.2 of the Code). Type species: *Gastrosericus flavicornis* Gussakovskij, 1931a [= *Gastrosericus electus* Nurse, 1903], designated by Pate, 1937:22. Synonymized with *Gastrosericus* by Bohart and Menke, 1976:43.

Gastrargyron Pate, 1937:28, validation of *Gastrargyron* Gussakovskij, 1931a:451, a subgenus of *Gastrosericus* (Article 13.1.2 of the Code). Type species: *Gastrosericus marginalis* Gussakovskij, 1931a, designated by Pate, 1937:22. Synonymized with *Gastrosericus* by Bohart and Menke, 1976:43.

Revisions: Gussakovskij, 1931a (eastern Palearctic species); Krombein and Pulawski, 1986 (Sri Lankan species); Pulawski, 1995b (world species).

Key: Schmid-Egger in Schmid-Egger and van Harten, 2022:547 (Arabian Peninsula).

Review of biology: Kazenas, 2001b:149.

1. *albidaaensis* Schmid-Egger

Gastrosericus albidaaensis Schmid-Egger in Schmid-Egger and van Harten, 2022:549, ♀, ♂. Holotype: ♀, United Arab Emirates: Abu Dhabi: Al Wathba Wetland Reserve at 24.248°N 54.742°E (Ch. Schmid-Egger personal collection, Berlin, Germany). – Schmid-Egger and van Harten, 2022:548 (in key to *Gastrosericus* of Arabian Peninsula).

2. *alwathbaensis* Schmid-Egger

Gastrosericus alwathbaensis Schmid-Egger in Schmid-Egger and van Harten, 2022:549, ♂. Holotype: ♂, United Arab Emirates: Abu Dhabi: Al Wathba Wetland Reserve at 24.248°N 54.742°E (Ch. Schmid-Egger personal collection, Berlin, Germany). – Schmid-Egger and van Harten, 2022:547 (presumed), 548 (in key to *Gastrosericus* of Arabian Peninsula).

3. *ammochares* Pulawski

Gastrosericus ammochares Pulawski, 1995b:25, ♀. Holotype: ♀, Mali: Gao (CAS).

4. *asilivorus* Pulawski

Gastrosericus asilivorus Pulawski in Krombein and Pulawski, 1986:17, ♀. Holotype: ♀, Sri Lanka: Trincomalee District: China Bay Ridge Bungalow (USNM). – Krombein in Krombein and Pulawski, 1986:5 (nesting habits); Pulawski, 1995b:25 (in revision of world *Gastrosericus*).

5. *attenuatus* R. Turner

Gastrosericus attenuatus R. Turner, 1912c:423, ♀. Holotype: ♀, Ghana: Volta River (BMNH). – Arnold, 1922:123 (original description copied), 1930:2 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Pulawski, 1995b:26 (in revision of world *Gastrosericus*).

6. azyx Pulawski

Gastrosericus azyx Pulawski, 1995b:29, ♂. Holotype: ♂, Sri Lanka: Mannar District: Ma Villu (USNM).

7. bambara Pulawski

Gastrosericus bambara Pulawski, 1995b:31, ♀, ♂. Holotype: ♀, Mali: 30 km northeast of San (CAS).

8. baobabicus Pulawski

Gastrosericus baobabicus Pulawski, 1995b:33, ♀, ♂. Holotype: ♀, Senegal: 3 km west of Samba Dia = 70 air km west of Kaolack (CAS).

9. barqaalsuqoorensis Schmid-Egger

Gastrosericus barqaalsuqoorensis Schmid-Egger in Schmid-Egger and van Harten, 2022:551, ♀, ♂. Holotype: ♀, United Arab Emirates: Barqa al-Saqoor at 24.018°N 52.592°E (Ch. Schmid-Egger personal collection, Berlin, Germany). – Schmid-Egger and van Harten, 2022:548, 549 (in key to *Gastrosericus* of Arabian Peninsula).

As *Gastrosericus eremicus*: Schmid-Egger, 2011b:538 (United Arab Emirates: Al-Ajban), corrected to *Gastrosericus barqaalsuqoorensis* by Schmid-Egger in Schmid-Egger and van Harten, 2022:551.

As *Gastrosericus funereus*: Schmid-Egger, 2011b:538 (United Arab Emirates: Wadi al-Helo), 539 (color photograph of male), corrected to *Gastrosericus barqaalsuqoorensis* by Schmid-Egger in Schmid-Egger and van Harten, 2022:553.

10. braunsi Arnold

Gastrosericus braunsi Arnold, 1922:124, ♀, ♂ (as *Braunsi*, incorrect original capitalization). Holotype: ♀, Zimbabwe: Victoria Falls (SAM). – Arnold, 1930:2 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Pulawski, 1995b:35 (in revision of world *Gastrosericus*).

Gastrosericus laticeps Arnold, 1922:127, ♂. Holotype: ♂, Zimbabwe: Victoria Falls (SAM). Synonymized with *Gastrosericus braunsi* by Pulawski, 1995b:35. – Arnold, 1930:2 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae).

11. capensis Brauns

Gastrosericus [sic] *capensis* Brauns, 1906:49, ♀, ♂. Lectotype: ♂, South Africa: Eastern Cape Province: Willowmore (TMP), designated by Pulawski, 1995b:37. – Brauns, 1911a:239 (nesting in sand); Arnold, 1922:117 (in revision of Southern African *Gastrosericus*), 1930:2 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Dollfuss, 1989:9 (paratype in NHMW); Pulawski, 1995b:37 (in revision of world *Gastrosericus*).

12. chalcithorax Arnold

Gastrosericus chalcithorax Arnold, 1922:116, ♀, ♂ (as Brauns' MS name). Lectotype: ♂, South Africa: Eastern Cape Province: Willowmore (TMP), designated by Pulawski, 1995b:40. – Brauns, 1911a:239 (nomen nudum, nesting in sand); Arnold, 1930:2 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae), 260 (illustration of female mandible); Pulawski, 1995b:37 (in revision of world *Gastrosericus*).

13. dentatus Pulawski

Gastrosericus dentatus Pulawski, 1995b:44, ♀. Holotype: ♀, Ghana: Kawampe 45 km north of Kintampo at 8°30'N 1°35'W (CAS).

14. drewseni Dahlbom

Gastrosericus [sic] *drewseni* Dahlbom, 1845:467, ♀ (as *Drewseni*, incorrect original capitalization). Lectotype: ♀, Egypt: no specific locality (Stockholm, coll. Hedenborg), designated by de Beaumont, 1960b:245. – F. Smith, 1856:308 (in catalog of Hymenoptera in British Museum); Kohl, 1885:409 (as new synonym of *Gastrosericus waltlii*); Dalla Torre, 1897:695 (as synonym of *Gastrosericus waltlii*); de Beaumont, 1956:204 (comparison with

Gastrosericus guigliae, 1960b:245 (study of holotype), 1966:212 (Egypt); de Beaumont, Bytinski-Salz, and Pulawski, 1973:16 (Israel); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Pulawski, 1995b:44 (in revision of world *Gastrosericus*); Roche, 2007a:62 (in checklist of Egyptian Crabronidae), 2007b:4 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Schmid-Egger and van Harten, 2022:547, 548 (in key to *Gastrosericus* of Arabian Peninsula), 553 (not yet found in United Arab Emirates).

As *Gastrosericus moricei*: Giner Marí, 1945:376, Fig. 7b, corrected to *Gastrosericus drewseni* by Pulawski, 1995b:44.

15. *electus* Nurse

Gastrosericus electus Nurse, 1903b:7, ♀. Lectotype: ♀, India: Gujarat: Deesa (BMNH), designated by Pulawski, 1995b:46. – Ramakrishna Aiyar, 1916:553 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Roche, 1981:2 (in checklist of Sphecidae of United Arab Emirates); Pulawski, 1995b:46 (in revision of world *Gastrosericus*); Kazenas, 2001:26 (in checklist of Sphecidae of Kazakhstan and Central Asia); Schmid-Egger, 2011b:538 (United Arab Emirates: Al-Ajban), 539 (color photograph of male); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:351 (in new catalog of Sphecidae of Saudi Arabia); Schmid-Egger, 2014:564 (United Arab Emirates); Samin, Bagriacik, and Monaem, 2015:196 (Iran: Golestan: Golestan National Park, and Mazandaran: Behshahr); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:55 (Iran: known from Golestan Province); Gadallah, 2020b:35 (in list of aculeate wasps of Arabian Peninsula); Ghaderipour, Khayrandish, Madjdzadeh, Ebrahimi, and Schmid-Egger, 2020:113 (Iran: Kerman); Schmid-Egger and van Harten, 2022:547, 548 (in key to *Gastrosericus* of Arabian Peninsula), 553 (United Arab Emirates: Al Bida'a Protected Area, Barqa al-Saqoor); Mawadda and Girish Kumar, 2023:110 (in checklist of Crabroninae of Northern India).

Gastrosericus flavicornis Gussakovskij, 1931a:454, ♀, ♂. Lectotype: ♂, Uzbekistan: Khiva (ZIN), designated by Pulawski, 1995b:46. Synonymized with *Gastrosericus electus* by Pulawski, 1995b:46. – R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Kazenas, 1978b:137 (in key to Sphecidae of Kazakhstan and Central Asia); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:420 (Uzbekistan: distribution).

16. *eremicus* Pulawski

Gastrosericus eremicus Pulawski, 1995b:49, ♀, ♂. Holotype: ♀, Pakistan: Sind: Kirthar National Park (headquarters) 150 km northeast of Karachi at 25°10'–26°05'N 67°10'–67°55'E (CAS). – nec Schmid-Egger, 2011b:538 (= *Gastrosericus barqaalsuqoorensis*); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:351 (in new catalog of Sphecidae of Saudi Arabia); Schmid-Egger, 2014:564 (United Arab Emirates); Gadallah, 2020b:35 (in list of aculeate wasps of Arabian Peninsula); Schmid-Egger and van Harten, 2022:547, 548 (in key to *Gastrosericus* of Arabian Peninsula), 553 (recorded from United Arab Emirates by Schmid-Egger, 2011, 2014).

17. *eurypus* Pulawski

Gastrosericus eurypus Pulawski, 1995b:53, ♀, ♂. Holotype: ♀, South Africa: Western Cape Province: Cedarberg 15–30 km southeast of Clanwilliam (USU).

18. *fluviatilis* Arnold

Gastrosericus fluviatilis Arnold, 1951:157, ♀, ♂. Lectotype: ♀, Mali: Tillembeya on Niger River, now Diafarabé at 14.15°N 4.98°W (BMNH), designated by Pulawski, 1995b:57. – R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Pulawski, 1995b:57 (in revision of world *Gastrosericus*).

19. *fulani* Pulawski

Gastrosericus fulani Pulawski, 1995b:58, ♀, ♂. Holotype: ♂, Senegal: Bayakh 45 km east of Dakar (CAS).

20. *funereus* Gussakovskij

Gastrosericus funereus Gussakovskij, 1931a:455, ♂. Holotype: ♂, Turkmenistan: Anau near Ashgabat (ZIN). – R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Kazenas, 1978b:137 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1982:363 (synonymy), 1995b:60 (in revision of world *Gastrosericus*); Nazarova, 1998:40 (Tajikistan: Tigrovaya Balka Nature Reserve); Kazenas, 2001:26 (in checklist of Sphecidae of Kazakhstan and Central Asia); Roche, 2007a:62 (in checklist of Egyptian Crabronidae), 2007b:4 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Ljubomirov and Yildirim, 2008:194 (in catalog of Crabronidae of Turkey); nec Schmid-Egger, 2011b:538 and 539 (= *Gastrosericus barqaalsuqoorensis*); Yıldırım, Ljubomirov, and Lelej, 2014:11 (distribution in Turkey by biogeographic provinces); Atbaei, Fallahzadeh, and Ljubomirov, 2015:11 (Iran: Fars Province); Koçak and Kemal, 2015:144 (in checklist of Hymenoptera of Turkey); Rezaei and Fallahzadeh, 2015:8 (Iran: Fars: Kaftarak at 29°34'N 52°41'E); Sadeghi, Fallahzadeh, Ostovan, Ljubomirov, and Hesami, 2016:431 (Iran: Fars Province); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:55 (Iran: known from Fars Province); Fallahzadeh, Ljubomirov, Tavakoli Roodi, and Saghaei, 2018:627 (Iran: Hormozgan: Sar Kahn at 27°24'N 57°07'E); Sadeghi, Fallahzadeh, Ostovan, Ljubomirov, and Hesami, 2019a:267 (Iran: Fars: five localities); Gadallah, 2020b:35 (in list of aculeate wasps of Arabian Peninsula); Ghaderipour, Khayrandish, Madjdzadeh, Ebrahimi, and Schmid-Egger, 2020:113 (Iran: Kerman); Kaplan and Yildirim, 2021:60 (in catalog of Crabronidae of Turkey); Schmid-Egger and van Harten, 2022:548, 549 (in key to *Gastrosericus* of Arabian Peninsula); Kaplan and Yildirim, 2023:1684 (in checklist of Sphecidae *sensu lato* of Turkey).

Gastrosericus eremorum de Beaumont, 1955:194, ♀. Holotype: ♀, Morocco: Tinerhir (MZL). Synonymized with *Gastrosericus funereus* by Pulawski, 1995b:60. – R. Bohart and Menke, 1956:256 (in checklist of world Sphecidae); Nazarova, 1998:40 (Tajikistan: Tigrovaya Balka Nature Reserve).

Gastrosericus apostoli de Beaumont, 1967:322, ♀, ♂. Holotype: ♀, Turkey: Mersin Province: Tarsus (J. Gusenleitner personal coll., Linz, Austria). Synonymized with *Gastrosericus funereus* by Pulawski, 1982:363. – de Beaumont, Bytinski-Salz, and Pulawski, 1973:16 (Israel); Guichard, 1980:227 (Oman).

21. *guigliae* de Beaumont

Gastrosericus guigliae de Beaumont, 1956:203, ♀. Holotype: ♀, Libya: Tripolitania: Garian (BMNH). – Nec Pulawski, 1964:111 (= *Gastrosericus pnepheros*); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Roche, 2007a:62 (in checklist of Egyptian Crabronidae), 2007b:4 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae).

22. *herero* Pulawski

Gastrosericus herero Pulawski, 1995b:64, ♀, ♂. Holotype: ♀, Namibia: Karibib District: 62 km east of Karibib (CAS). – Schwarz-Waubke, Schwarz, F. Gusenleitner, J. Gusenleitner, Malicky, Malicky-Ruzicka, and Vogtenhuber, 2003:446 (paratype in Biologiezentrum, Linz, Austria).

23. *hombori* Pulawski

Gastrosericus hombori Pulawski, 1995b:67, ♀, ♂. Holotype: ♀, Mali: Hombori (CAS).

24. *incisus* Pulawski

Gastrosericus incisus Pulawski, 1995b:68, ♀, ♂. Holotype: ♀, India: Tamil Nadu: Tranquebar (USNM).

25. *karooensis* Brauns

Gastrosericus [sic] *karooensis* Brauns, 1906:52, ♀. Holotype: ♀, South Africa: Eastern Cape Province: Willowmore (TMP). – Brauns, 1911a:239 (nesting in sand); Arnold, 1922:116 (in revision of Southern African *Gastrosericus*, as *karrooensis*), 1930:2 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Pulawski, 1995b:71 (in revision of world *Gastrosericus*).

Gastrosericus [sic] *oraniensis* Brauns, 1906:51, ♀. Holotype: ♀, South Africa: Free State: Bothaville (TMP). Synonymized with *Gastrosericus karoensis* by Pulawski, 1995b:71. – Brauns, 1911a:239 (nesting in sand); Arnold,

1922:115 (in revision of Southern African *Gastrosericus*), 1930:2 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae).

Gastrosericus divergens Arnold, 1922:119, ♀ (as Brauns's MS name). Holotype: ♀, Zimbabwe: Sawmills (TMP), examined. Synonymized with *Gastrosericus karoensis* by Pulawski, 1995b:71. – Arnold, 1930:2 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae), 279 (male sternum VIII illustrated).

26. *lamellatus* R. Turner

Gastrosericus lamellatus R. Turner, 1912c:421, "♀", actually ♂. Lectotype: ♂, Zambia: Pakasa on Zambezi River (BMNH), designated by Pulawski, 1995b:74. – Arnold 1922:121 (in revision of Southern African *Gastrosericus*), 1930:2 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:253 (male head illustrated), 256 (in checklist of world Sphecidae). – Pulawski, 1995b:74 (in revision of world *Gastrosericus*).

Gastrosericus silverlocki R. Turner, 1913:422, ♀. Lectotype: ♀, Zambia: Pakasa on Zambezi River (BMNH), designated by Pulawski, 1995b:74. Synonymized with *Gastrosericus lamellatus* by Pulawski, 1995b:71. – Arnold, 1922:123 (original description copied), 1930:2 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae).

Gastrosericus bidentatus Arnold, 1922:122, ♂. Holotype: ♂, Zimbabwe: Sawmills (SAM). Synonymized with *Gastrosericus lamellatus* by Pulawski, 1995b:71. – Arnold, 1930:2 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae).

27. *lepidus* Pulawski

Gastrosericus lepidus Pulawski, 1995b:81, ♀, ♂. Holotype: ♀, Senegal: Ndangane 45 air km southeast of Mbour (CAS).

28. *lucidus* Pulawski

Gastrosericus lucidus Pulawski, 1995b:81, ♀, ♂. Holotype: ♂, Senegal: Ferlo, Feté-olé (UCD).

29. *madecassus* (Kohl)

Eparmatostethus madecassus Kohl, 1907:169, ♀. Holotype: ♀, Madagascar: Taolanaro (ZIN). – Pate, 1937:26 (misspelled as *Eparmostethus*). – **As *Gastrosericus madecassus***: Arnold, 1927:116 (new combination, *Eparmatostethus* synonymized with *Gastrosericus*), 1945:92 (description of ♂); Leclercq, 1960:96 (Madagascar: Behara); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Leclercq, 1990:115 (Madagascar: Bekily); Pulawski, 1995b:85 (in revision of world *Gastrosericus*), 2003b:796 (in checklist of Malagasy Sphecidae); Madl, 2014a:962 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records).

30. *marginalis* Gussakovskij

Gastrosericus marginalis Gussakovskij, 1931a:456, ♀, ♂. Lectotype: ♂, Turkmenistan: Krasnovodsk (ZIL), designated by Pulawski, 1995b:88. – Pulawski, 1964:112 (Egypt: Kom Osheim); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae), 260 (illustration of male mandible); Kazenas, 1978b:137 (in key to Sphecidae of Kazakhstan and Central Asia), 1992c:26 (Turkmenistan: Repetek Nature Reserve); Pulawski, 1995b:88 (in revision of world *Gastrosericus*); Esenbekova and Kazenas, 2000:27 (southeastern Kazakhstan: near landing place Dubun' on Ili River); Kazenas, 2001:26 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2002a:61 (geographic distribution, collecting localities in Kazakhstan); Roche, 2007a:63 (in checklist of Egyptian Crabronidae), 2007b:4 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Kazenas, 2008a:101 (southeastern Kazakhstan: near Dubun' in Ili River valley), 2013b:494 (southeastern Kazakhstan: landing place Dubun' on Ili River); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:420 (Uzbekistan: distribution); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:420 (Uzbekistan: distribution).

31. mirabilis Pulawski

Gastrosericus mirabilis Pulawski, 1995b:89, ♀. Holotype: ♀, Namibia: Swakopmund District: 9 km south of Gobabeb (ZMUC).

32. modestus Arnold

Gastrosericus modestus Arnold, 1922:126, ♀. Holotype: ♀, Zimbabwe: Sawmills (SAM). – Arnold, 1930:2 (in checklist of Afrotropical Sphecidae), 1940:122 (description of ♂); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Pulawski, 1995b:90 (in revision of world *Gastrosericus*).

33. mongolicus Gussakovskij

Gastrosericus mongolicus Gussakovskij, 1931a:457, ♂. Holotype: ♂: China: Inner Mongolian Autonomous Region: Hara Hoto, now Hei-Ch'eng (ZIN, now lost). – R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Kazenas, 1978b:137 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1995b:90 (original description discussed); Hua, 2006:280 (in list of Chinese insects, geographic distribution).

34. moricei E. Saunders

Gastrosericus moricei E. Saunders, 1910:529, ♂. Holotype: ♂, Algeria: Biskra (OXUM, F.D. Morice coll.). – Morice, 1911:106 (Algeria); von Schulthess, 1926:215 (Libya: Benghazi); Guiglia, 1934b:301 (Libya: bibliography and summary of locality records); Honoré, 1942:53 (Egypt); nec Giner Marí, 1945:376 (= *Gastrosericus drewseni*); de Beaumont, 1955:192 (description of ♀), 1960b:246 (study of holotype); Pulawski, 1964:112 (Egypt: Abu Rawash, Dahshur, Ghiza, Kom Osheim, Maadi); de Beaumont, Bytinski-Salz, and Pulawski, 1973:16 (Israel); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Guichard, 1980:227 (Oman); Roche, 1981:2 (in checklist of Sphecidae of United Arab Emirates); Pulawski, 1982:364 (synonymy); Krombein and Pulawski, 1986:11 (in revision of *Gastrosericus* of Sri Lanka); Roche and Zalut, 1994:115 (Egypt: Sinai Peninsula); Pulawski, 1995b:92 (in revision of world *Gastrosericus*); Kazenas, 2001:26 (in checklist of Sphecidae of Kazakhstan and Central Asia); Roche, 2007a:63 (in checklist of Egyptian Crabronidae), 2007b:4 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Schmid-Egger, 2011b:538 (United Arab Emirates: Al-Ajban, north of Ajman, Um al-Quwain), 540 (color photographs of male and female); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:351 (in new catalog of Sphecidae of Saudi Arabia); Schmid-Egger, 2014:564 (United Arab Emirates); Mokrousov and Gromenko, 2015:126 (Uzbekistan: Sundukli Desert at 38°57'45"N, 64°32'26"E); S. Gess and Roosenschoon, 2016:104 (Dubai Desert Conservation Reserve, visiting flowers of *Rhanterium epapposum* Oliv., Asteraceae); Gadallah, 2020b:35 (in list of aculeate wasps of Arabian Peninsula); Ghaderipour, Khayrandish, Madjdzadeh, Ebrahimi, and Schmid-Egger, 2020:114 (first record from Iran: Kerman: five localities); Ben Khedher, Yildirim, and Braham, 2021a:57 (Tunisia: Kasserine and Tozeur governorates); Schmid-Egger and van Harten, 2022:547, 548 (in key to *Gastrosericus* of Arabian Peninsula), 553 (United Arab Emirates: Al Bida'a Protected Area, Barq al-Saqoor); Abu el-Ghiet, Gadallah, Gasib, Al-Fifi, and Edmardash, 2023:159 (Saudi Arabia: Farasan Island); Gadallah and Abu El-Ghiet, 2024:86 (Saudi Arabia: Jazan Province: Farasan); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:420 (Uzbekistan: distribution).

Gastrosericus fimbriatus Kazenas, 1980b:1104, ♀, ♂. Holotype: ♂, Tajikistan: Kolkhozabad District: 7 km east of Garauly near Yangiabad (ZIN). Synonymized with *Gastrosericus moricei* by Pulawski, 1982:363. – Nazarova, 1998:40 (Tajikistan: Tigrovaya Balka Nature Reserve).

35. nama Pulawski

Gastrosericus nama Pulawski, 1995b:97, ♀, ♂. Holotype: ♀, Namibia: Swakopmund District: Gobabeb at Kuiseb River (ZMUC).

36. neavei R. Turner

Gastrosericus neavei R. Turner, 1913:754, ♀. Holotype: ♀, Kenya: upper Kuja River (BMNH). – Arnold, 1922:125 (in revision of Southern African *Gastrosericus*), 1930:2 (in checklist of Afrotropical Sphecidae); Schouteden, 1930:91

(Zaire); R. Bohart and Menke, 1976:255 (forewing illustrated), 256 (in checklist of world Sphecidae), 279 (male sternum VIII illustrated), 280 (male genitalia illustrated); Pulawski, 1995b:97 (in revision of world *Gastrosericus*). –

As *Parallelopsis neavei*: R. Turner, 1916:258 (new combination, misspelled *Parallelopsis*);

Parallelopsis africana Maidl, 1914b:147, ♂. Holotype: ♂: Senegal: Thiès (Portici). Synonymized with *Gastrosericus neavei* by Arnold, 1922:125.

Gastrosericus neavei reversus Arnold, 1951:157, ♀, ♂ (as *reversa*, incorrect original termination). Lectotype: ♀, Mali: Tillembeya on Niger River, now Diafarabé at 14.15°N 4.98°W (BMNH), designated by Pulawski, 1959a:97. Synonymized with *Gastrosericus neavei* by Pulawski, 1995b:97.

37. *pnepheros* Pulawski

Gastrosericus pnepheros Pulawski, 1995b:101, ♀, ♂. Holotype: ♂, Egypt: Al Fayyum Province: Karanis (CAS). – Roche, 2007a:63 (in checklist of Egyptian Crabronidae), 2007b:4 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae).

As *Gastrosericus guigliae*: Pulawski, 1964:111 (Egypt: Kom Osheim; description of ♂), corrected to *Gastrosericus pnepheros* by Pulawski, 1995:101.

38. *praos* Pulawski

Gastrosericus praos Pulawski, 1995b:104, ♂. Holotype: ♂, Congo: Djoué 17 km west of Brazzaville (CAS).

39. *pratensis* Arnold

Gastrosericus pratensis Arnold, 1929:382, ♀. Holotype: ♀, Zimbabwe: Bulawayo (SAM). – Arnold, 1930:2 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Pulawski, 1995b:106 (in revision of world *Gastrosericus*).

40. *pulawskii* Schmid-Egger

Gastrosericus pulawskii Schmid-Egger in Schmid-Egger and van Harten, 2022:557, ♀, ♂. Holotype: ♀, United Arab Emirates: Dubai: Al Awir (Ch. Schmid-Egger personal collection, Berlin, Germany). Paratype: Oman. – Schmid-Egger and van Harten, 2022:547, 548 (in key to *Gastrosericus* of Arabian Peninsula).

41. *pulchellus* Arnold

Gastrosericus pulchellus Arnold, 1929:383, ♀. Holotype: ♀, Zimbabwe: Rhodesdale (SAM). – Arnold, 1930:2 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Pulawski, 1995b:109 (in revision of world *Gastrosericus*).

42. *punctatus* Pulawski

Gastrosericus punctatus Pulawski, 1995b:112, ♀, ♂. Holotype: ♀, Ivory Coast: 56 km north of Niakaramandougou (CAS).

43. *rothneyi* Cameron

Gastrosericus rothneyi Cameron, 1889c:147, ♀ (as *Rothneyi*, incorrect original capitalization). Lectotype: ♀, India: West Bengal: Barrackpore 20 km north of Calcutta (OXUM), designated by Pulawski, 1995b:114. – Bingham, 1897:216 (in revision of Aculeata of British India); Dalla Torre, 1897:695 (in catalog of world Hymenoptera); Rothney, 1903:104 (India: West Bengal: Barrackpore), 113 (collected in shadowed bank of fine earth near Pulta); Pulawski, 1975:318 (synonymy); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Radović, 1985:64 (sting apparatus analyzed); Krombein and Pulawski, 1986:4 (nesting habits), 15 (in revision of *Gastrosericus* of Sri Lanka); Pulawski, 1995b:114 (in revision of world *Gastrosericus*); Ohl and Linde, 2003:150 (number of ovarioles).

Gastrosericus binghami Cameron, 1897:22, ♂ (as *Binghami*, incorrect original capitalization). Holotype: ♂, India: West Bengal: Barrackpore (OXUM). Synonymized with *Gastrosericus rothneyi* by Pulawski, 1975:318. – Rothney, 1903:104 (India: West Bengal: Barrackpore), 113 (collected in shadowed bank of fine earth near Pulta); Ramakrishna

Aiyar, 1916:553 (in catalog of Indian aculeates described after Bingham, 1897); not Tsuneki, 1963:3, Iwata and Yoshikawa, 1964:389, and Iwata, 1965:107 (= *Gastrosericus siamensis*).

Gastrosericus thailanditus Tsuneki, 1974:622, ♀, ♂. Holotype: ♀, Thailand: Sara Buri (Tadashi Tano coll., Fukui). Synonymized with *Gastrosericus rothneyi* by Pulawski in Krombein and Pulawski, 1986:15. – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae).

44. *sabulosus* Pulawski

Gastrosericus sabulosus Pulawski, 1995b:116, ♀, ♂. Holotype: ♀, Senegal: 16 km north of Fatick (CAS). Paratypes: Mauritania, Pakistan. – Schmid-Egger, 2011b:538 (United Arab Emirates: Al-Ajban), 541 (color photograph of male); Gadallah, 2020b:36 (in list of aculeate wasps of Arabian Peninsula); Ghaderipour, Khayrandish, Madjdadeh, Ebrahimi, and Schmid-Egger, 2020:114 (first record from Iran: Kerman: four localities); Schmid-Egger and van Harten, 2022:547, 548 (in key to *Gastrosericus* of Arabian Peninsula), 557 (United Arab Emirates: Al Bida'a).

45. *sanctus* Pulawski

Gastrosericus sanctus Pulawski in de Beaumont, Bytinski-Salz, and Pulawski, 1973:16, ♀, ♂. Holotype: ♀, Israel: Jericho (originally H. Bytinski-Salz coll., now Tel Aviv Univ.). – R. Bohart and Menke, 1975:256 (in checklist of world Sphecidae); Guichard, 1980:227 (Oman); Roche, 1981:2 (in checklist of Sphecidae of United Arab Emirates); Pulawski, 1995b:119 (in revision of world *Gastrosericus*); Schmid-Egger, 2011b:538 (United Arab Emirates: Wadi Shawkah), 541 (color photograph of male); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:351 (in new catalog of Sphecidae of Saudi Arabia); Gadallah, 2020b:36 (in list of aculeate wasps of Arabian Peninsula); Schmid-Egger and van Harten, 2022:547, 548 (in key to *Gastrosericus* of Arabian Peninsula), 557 (recorded from United Arab Emirates by Schmid-Egger, 2011); Abu el-Ghiet, Gadallah, Gasib, Al-Fifi, and Edmardash, 2023:160 (Saudi Arabia: Farasan Island); Gadallah and Abu El-Ghiet, 2024:86 (Saudi Arabia: Jazan Province: Abu Arish, Farasan).

46. *senegalensis* Arnold

Gastrosericus senegalensis Arnold, 1951:158, ♀. Holotype: ♀, Senegal: Dakar (BMNH). – R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Pulawski, 1995b:122 (in revision of world *Gastrosericus*).

47. *sheikhae* Schmid-Egger

Gastrosericus sheikhae Schmid-Egger in Schmid-Egger and van Harten, 2022:560, ♀, ♂. Holotype: ♀, United Arab Emirates: Barg al-Saqoor at 24.018°N 52.592°E (Ch. Schmid-Egger personal collection, Berlin, Germany). – Schmid-Egger and van Harten, 2022:547, 548 (in key to *Gastrosericus* of Arabian Peninsula).

48. *shestakovi* Gussakovskij

Gastrosericus shestakovi Gussakovskij, 1931a:454, ♂. Holotype: ♂, Turkmenistan: Uch-Adzhi (ZIN). – R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Kazenas, 1978b:137 (in key to Sphecidae of Kazakhstan and Central Asia), 1992c:26 (Turkmenistan: Repetek Nature Reserve); Pulawski, 1995b:124 (in revision of world *Gastrosericus*); Esenbekova and Kazenas, 2000:27 (southeastern Kazakhstan: 30 km south of Koktal on Ili River); Kazenas, 2001:26 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2002a:61 (geographic distribution, 30 km south of Koktal on Ili River), 2008a:101 (southeast Kazakhstan: Ili River valley: 30 km south of Koktal), 2013b:494 (southeastern Kazakhstan: 30 km south of Koktal on Ili River); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:420 (Uzbekistan: distribution).

49. *siamensis* Tsuneki

As *Gastrosericus binghami*: Tsuneki, 1963c:3 (redescription), Iwata and Yoshikawa, 1964:389-390 (nesting habits), and Iwata, 1965:107 (number of oocytes); all records corrected to *Gastrosericus siamensis* by Tsuneki, 1974:626.

Gastrosericus siamensis Tsuneki, 1974:626, ♂. Holotype: ♂, Thailand: Ayuttaya (Tadashi Tano personal coll., Fukui, Japan). – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae); Krombein and Pulawski, 1986:5 (in revision of *Gastrosericus* of Sri Lanka); Pulawski, 1995b:126 (in revision of world *Gastrosericus*).

Gastrosericus menoni Sudheendrakumar and Narendran, 1985:50, ♀. Holotype: ♀, India: Kerala: Nilambur (originally Calicut Univ., now Zoological Survey of India, Calicut). Synonymized with *Gastrosericus siamensis* by Pulawski, 1995b:127.

50. *simplex* Arnold

Gastrosericus simplex Arnold, 1922:119, ♀, ♂. Lectotype: ♀, Zimbabwe: Inyanga District: Wittington Estate (SAM), designated by Pulawski, 1995b:128. – Arnold, 1930:2 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Pulawski, 1995b:128 (in revision of world *Gastrosericus*).

Gastrosericus decipiens Arnold, 1955:759, ♀, ♂. Holotype: ♀, Lesotho: Leribe (SAM). Synonymized with *Gastrosericus simplex* by Pulawski, 1995b:128. – R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae).

51. *sobrinus* Pulawski

Gastrosericus sobrinus Pulawski, 1995b:130, ♀, ♂. Holotype: ♀, Senegal: Ndangane 45 air km southeast of Mbour (CAS). – Schwarz-Waubke, Schwarz, F. Gusenleitner, J. Gusenleitner, Malicky, Malicky-Ruzicka, and Vogtenhuber, 2003:446 (paratype in Biologiezentrum, Linz, Austria).

52. *swalei* R. Turner

Gastrosericus swalei R. Turner, 1916:258, ♀. Holotype: ♀, Zimbabwe: Lonely Mine (BMNH). – Arnold, 1922:123 (original description copied), 1930:2 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae), 260 (illustration of female mandible); Pulawski, 1995b:132 (in revision of world *Gastrosericus*).

53. *synander* Pulawski

Gastrosericus synander Pulawski, 1995b:136, ♀, ♂. Holotype: ♀, Senegal: Ndangane 45 air km southeast of Mbour (CAS).

54. *temporalis* de Beaumont

Gastrosericus temporalis de Beaumont, 1955:193, ♀. Holotype: ♀, Morocco: Marrakech (Lausanne). – R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Pulawski, 1995b:137 (in revision of world *Gastrosericus*).

55. *thoth* Pulawski

Gastrosericus thoth Pulawski, 1995b:137, ♀, ♂. Holotype: ♀, Egypt: Wadi Hof near Cairo (NHMW). – Roche, 2007a:63 (in checklist of Egyptian Crabronidae), 2007b:4 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae).

56. *tissa* Pulawski

Gastrosericus tissa Pulawski in Krombein and Pulawski, 1986:9, ♀, ♂. Holotype: ♂, Sri Lanka: Trincomalee District: Tennamaravadi (USNM). – Krombein in Krombein and Pulawski, 1986 (nesting habits); Pulawski, 1995b:139 (in revision of world *Gastrosericus*).

57. *truncatus* Pulawski

Gastrosericus truncatus Pulawski, 1995b:144, ♀, ♂. Holotype: ♀, Mali: Hombori (CAS).

58. *tuberculatus* Pulawski

Gastrosericus tuberculatus Pulawski, 1995b:146, ♀, ♂. Holotype: ♀, Namibia: Karibib District: 50 km southwest of Usakos (CAS).

59. *turneri* Arnold

Gastrosericus turneri Arnold, 1922:120, ♀. Holotype: ♀, Zimbabwe: Bulawayo (SAM). – Arnold, 1929:382 (description of ♂), 1930:2 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Pulawski, 1995b:50 (in revision of world *Gastrosericus*); Schmid-Egger, 2014:564 (first record from United Arab Emirates and Arabian Peninsula), 565 (color photograph of male); Gadallah, 2020b:36 (in list of aculeate wasps of Arabian Peninsula); Schmid-Egger and van Harten, 2022:547, 548 (in key to *Gastrosericus* of Arabian Peninsula), (recorded from United Arab Emirates by Schmid-Egger, 2014).

60. *unicolor* Arnold

Gastrosericus Braunsi var. *unicolor* Arnold, 1929:382, ♀. Holotype: ♀, Zimbabwe: Sawmills (SAM). – Arnold, 1930:2 (in checklist of Afrotropical Sphecidae). – **As *Gastrosericus braunsi unicolor***: R. Bohart and Menke, 1976:256 (raised to subspecies, in checklist of world Sphecidae). – **As *Gastrosericus unicolor***: Pulawski, 1995b:151 (raised to species status, in revision of world *Gastrosericus*).

61. *vedda* Pulawski

Gastrosericus vedda Pulawski in Krombein and Pulawski, 1986:13, ♀, ♂. Holotype: ♀, Sri Lanka: Amparai District: Panama: Raddella Tank (USNM). – Pulawski, 1995b:154 (in revision of world *Gastrosericus*); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:351 (in new catalog of Sphecidae of Saudi Arabia); Gadallah, 2020b:36 (in list of aculeate wasps of Arabian Peninsula); Schmid-Egger and van Harten, 2022:547, 548 (in key to *Gastrosericus* of Arabian Peninsula), 562 (an unpublished record comes from Oman).

62. *waltlii* Spinola

Gastrosericus waltlii Spinola, 1839:481, ♂ (as *Waltlii*, incorrect original capitalization). Lectotype: ♂, Egypt: no specific locality (Torino), designated by de Beaumont, 1952:49. – Dahlbom, 1845:467 (in key to two species of *Gastrosericus*, as *Gasterosericus*); F. Smith, 1856:308 (in catalog of Hymenoptera in British Museum); Kohl, 1885:409 (in revision of Larrinae), 411 (in checklist of world *Gastrosericus*); Ed. André, 1888:223 (in revision of Sphecidae of Europe and Algeria), 21* (bibliographic references); Dalla Torre, 1897:695 (in catalog of world Hymenoptera); Magretti, 1906:15 (Eritrea); Mantero, 1915:327 (Libya); Kruger, 1929a:21 and 1929b:56 (Libya: Cyrenaica: Giarabub); Guiglia, 1932d:478 (Libya: Gialo); Nadig, 1933:78 (Morocco); Guiglia, 1934b:301 (Libya: bibliography and summary of locality records, as *walthii*), 1936:5 (Libya: Augila, Gialo), 1940:293 (Libya: El-Hag), 1942:233 (Libya); Honoré, 1942:53 (Egypt); Giner Mari, 1945:362 (Western Sahara); de Beaumont, 1950:20 (Egypt: Siwa oasis), 1955a:191 (Morocco: Agadir, Ksar es Souk, Marrakech, Tiznit: Oued Massa); Bytinski-Salz, 1956:226 (Turkey); de Beaumont, 1956:203 (Libya), 1958:62 (Algeria), 1960a:20 (Greece: Island of Rhodes), 1960b:245 (Libya); Pulawski, 1964:111 (Egypt: Kom Osheim); Myartseva, 1965:80 (Turkmenistan: Bayram-Ali district); Pulawski, 1965:574 (synonymy); de Beaumont, 1967:331 (Turkey), 1969:90 (Turkey); Osborn and Krombein, 1969:16 (northwestern Sudan: Gebel 'Uweinat: Wadi Ain el Brins); Myartseva, 1971b:180 (ranges slightly outside Turanian Province); Kazenas, 1972:165 (Kazakhstan); Myartseva, 1972:80 (Turkmenistan: lower Murgab River valley); de Beaumont, Bytinski-Salz, and Pulawski, 1973:16 (Israel); Krombein, 1974b:452 (northwestern Sudan: Gebel 'Uweinat); R. Bohart and Menke, 1976:231 (vertex illustrated), 253 (male head illustrated), 255 (wings illustrated), 256 (in checklist of world Sphecidae), 260 (female mandible illustrated); Kazenas, 1978b:137 (in key to Sphecidae of Kazakhstan and Central Asia); Casolari and Casolari Moreno, 1980:114 (specimens in M. Spinola collection, Torino); Guichard, 1980:227 (Oman); Pulawski, 1982:364 (synonymy); Krombein and Pulawski, 1986:18 (in revision of *Gastrosericus* of Sri Lanka); Al-Houty, 1989:160 (Kuwait: Erifjan, Khwasat, Sulabiya); Kazenas, 1992c:26 (Turkmenistan: Repetek Nature Reserve); Roche and Zalat, 1994:115 (Egypt: Sinai Peninsula); Pulawski, 1995b:160 (in revision of world *Gastrosericus*); Al-Houty, 1997:160 (Kuwait: no specific locality); Nazarova, 1998:40 (Tajikistan: Tigrovaya Balka Nature Reserve); Ohl, 1999b:246 (specimen in ZMB labeled as type is not part of syntype series); Esenbekova and Kazenas, 2000:27 (southeastern Kazakhstan: eight localities); Kazenas, 2001:26 (in checklist of Sphecidae of Kazakhstan and Central Asia); K. Schmidt and Bitsch in Bitsch et al., 2001:206 (in Sphecid Fauna of Western Europe); Gayubo,

- Özbek, and Yıldırım, 2003:87 (Turkey: Erzincan: Üzümlü: Bayırbağ); S. Gess and F. Gess, 2003:106 (Namibia: visiting flowers of *Zygophyllum simplex* L., Zygophyllaceae); Gadallah and Assery, 2004b:1396 (skeletal parts of sting apparatus); Kazenas, 2004d:29 (Kazakhstan: Mangyshlak Peninsula: 25 km northwest of Tenghiz); Hua, 2006:280 (in list of Chinese insects, geographic distribution); Roche, 2007a:63 (in checklist of Egyptian Crabronidae), 2007b:4 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Ljubomirov and Yıldırım, 2008:195 (in catalog of Crabronidae of Turkey); Murai and Amr, 2011:111 (Syria: Al Thawrah Nature Reserve at 35°51'N 28°38'E); Pagliano, 2011a:114 (lectotype and paralectotype in M. Spinola collection, Torino); Schmid-Egger, 2011b:538 (United Arab Emirates: Al Ajban, north of Ajman, Al-Rafa, Sharjah Desert Park, Wadi Wurayah); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:351 (in new catalog of Sphecidae of Saudi Arabia); Kazenas, 2013b:494 (southeastern Kazakhstan: almost everywhere in deserts); Schmid-Egger, 2014:564 (United Arab Emirates); Yıldırım, Ljubomirov, and Lelej, 2014:11 (distribution in Turkey by biogeographic provinces); Atbaei, Fallahzadeh, and Ljubomirov, 2015:11 (Iran: Fars Province); Koçak and Kemal, 2015:144 (in checklist of Hymenoptera of Turkey); Mokrousov, 2015:537 (southeastern European Russia); Samin, Bagriacik, and Monaem, 2015:196 (Iran: Kerman: Kerman); S. Gess and Roosenschoon, 2016:104 (Dubai Desert Conservation Reserve, visiting flowers of *Zygophyllum qatarense* Hadidi, Zygophyllaceae); Sadeghi, Fallahzadeh, Ostovan, Ljubomirov, and Hesami, 2016:431 (Iran: Fars Province); Antropov, 2017b:236 (in catalog of Crabroninae of Russia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:55 (Iran: known from Fars and Kerman provinces); Mokrousov and Danilov, 2017:59 (Russia: Astrakhan' Oblast': four localities; Dagestan: 27 km N Kochubey at 44.639°N 46.591°E); Fallahzadeh, Ljubomirov, Tavakoli Roodi, and Saghaei, 2018:627 (Iran: Hormozgan: three localities); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:11 (Azerbaijan: Nakhichevan Autonomous Republic); Sadeghi, Fallahzadeh, Ostovan, Ljubomirov, and Hesami, 2019a:267 (Iran: Fars: Kherameh: Dodej and Marvdasht: Firoozi); Gadallah, 2020b:36 (in list of aculeate wasps of Arabian Peninsula); Ghaderipour, Khayrandish, Madjdzadeh, Ebrahimi, and Schmid-Egger, 2020:114 (Iran: Kerman); Ben Khedher, Yıldırım, and Braham, 2021a:57 (Tunisia: Kairouan, Kasserine, Kebili, Mahdia, Sidi Bouzid, and Tozeur governorates); K. Schmidt, Straka, and Bitsch *in* Bitsch, Antropov, Gayubo, Leclercq, Schmid-Egger, K. Schmidt, and Straka, 2021:159 (in revision of Sphecidae *sensu lato* of Europe); Kaplan and Yıldırım, 2021:60 (in catalog of Crabronidae of Turkey); Schmid-Egger and van Harten, 2022:547, 548 (in key to *Gastrosericus* of Arabian Peninsula), 562 (recorded from United Arab Emirates by Schmid-Egger, 2011, 2014); Can and Saboori, 2023:81 (Turkey: parasitized by larvae of mite *Leptus tridentatus* Saboori, Hakimitabar and Khademi (Trombidiformes: Erythraeidae)); Mawadda and Girish Kumar, 2023:103 (India: Rajasthan: Thar Desert), 110 (in checklist of Crabroninae of Northern India); Kaplan and Yıldırım, 2023:1684 (in checklist of Sphecidae *sensu lato* of Turkey); Gadallah and Abu El-Ghiet, 2024:86 (Saudi Arabia: Jazan Province: Abu Arish); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:420 (Uzbekistan: distribution); Gülmez, Çubuk, and Can, 2025:161 (Turkey: Çanakkale: Kelkit River Valley).
- Dinetus niger* Dufour, 1854a:378, ♂. Holotype: ♂, Algeria: Pontéba, now Oumm ed Drou (MNHN). Synonymized with *Gastrosericus waltlii* by Pulawski, 1995b:160. – Dours, 1874:139 (in catalog of Hymenoptera of France: Hyères, Port Vendres, certainly in error); Marquet, 1881:180 (southern France, reference to Dours, 1874). – **As *Gastrosericus niger***: Kohl, 1885:409 (tentative new synonym of *waltlii*), 411 (in checklist of world *Gastrosericus*); Ed. André, 1888:21* (listed as probable synonym of *waltlii*); Dalla Torre, 1897:695 (in catalog of world Hymenoptera); de Gaulle, 1908:121 (in catalog of French Hymenoptera); Berland, 1925d:111 (occurrence in France doubtful); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae).
- Gastrosericus maracandicus* Radoszkowski, 1877:23, ♀ (as *Maracandicus*, incorrect original capitalization). Holotype: ♀, Uzbekistan: Samarkand (ZMMU). Synonymized with *Gastrosericus waltlii* by Pulawski, 1965:574. – Kohl, 1885:410 (original description copied), 411 (in checklist of world *Gastrosericus*); Ed. André, 1888:224 (tentatively synonymized with *Gastrosericus waltlii*); Dalla Torre, 1897:695 (in catalog of world Hymenoptera); Gussakovskij, 1931a:452 (in revision of eastern Palearctic *Gastrosericus*); de Beaumont, 1947:396 (Cyprus); Pittioni, 1950:25 (Cyprus); Bytinski-Salz, 1956:226 (Turkey: Tuz Gölü); Myartseva, 1963b:61 (Turkmenistan: lower Murgab River);

Georgiou, 1977:190 (Cyprus). – **As *Tachytes maracandica***: Magretti, 1884:588 (new combination, Sudan; secondary homonym of *Tachytes maracandicus* Radoszkowski, 1877).

Gastrosericus rufiventris F. Morawitz, 1889a:135, ♀. Holotype: ♀, China: Inner Mongolian Autonomous Region: Tsagan Buryuk (ZIN). Synonymized with *Gastrosericus maracandicus* by Gussakovskij, 1931a:452. – Dalla Torre, 1897:695 (in catalog of world Hymenoptera). – **As *Gastrosericus waltlii rufiventris***: Tsuneki, 1972:408 (new status).

Gastrosericus rufitarsis Cameron, 1902:286, "♀", actually ♂. Holotype: ♂, India: Gujarat: Deesa (BMNH). Synonymized with *Gastrosericus waltlii* by Pulawski, 1982:364. – Ramakrishna Aiyar, 1916:553 (in catalog of Indian aculeates described after Bingham, 1897); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae).

Gastrosericus lanuginosus Arnold, 1922:117, ♂. Holotype: ♂, Zimbabwe: Sawmills (SAM); lectotype designation by Pulawski, 1995b:160, based on subsequently described non-type material, is unnecessary and illegal. Synonymized with *Gastrosericus waltlii* by Pulawski, 1995b:160. – Arnold, 1929:383 (description of ♀), 1930:2 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae).

Gastrosericus maracandicus dubius Gussakovskij, 1931a:453, ♂. Lectotype: ♂: Turkmenistan: Komarovskiy near Ashkhabad (ZIN), designated by Pulawski in Krombein and Pulawski, 1986:18. Synonymized with *Gastrosericus waltlii* by Kazenas, 1978b:137 and by Pulawski in Krombein and Pulawski, 1986:18 (as new synonym). – **As *Gastrosericus waltlii dubius***: R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Kazenas, 1978:137 (in key to Sphecidae of Kazakhstan and Central Asia).

Gastrosericus aiunensis Giner Marí, 1945:375, ♂. Holotype: ♂, Morocco: Western Sahara: La'yun (MNCN). Synonymized with *Gastrosericus waltlii* by Pulawski, 1995b:160. – Giner Marí, 1945:362 (Morocco: Western Sahara); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae).

63. *wroughtoni* Cameron

Gastrosericus wroughtoni Cameron, 1889c:147, ♀ (as *Wroughtoni*, incorrect original capitalization). Holotype: ♀, India: Maharashtra: Pune (BMNH). – Bingham, 1897:217 (in revision of Aculeata of British India); Dalla Torre, 1897:696 (in catalog of world Hymenoptera); Cameron, 1902:287 (comparison with *Gastrosericus rufitarsis*); R. Bohart and Menke, 1976:256 (in checklist of world Sphecidae); Pulawski, 1995b:163 (in revision of world *Gastrosericus*).

64. *xanthophilus* Pulawski

Gastrosericus xanthophilus Pulawski, 1995b:166, ♀, ♂. Holotype: ♀, Namibia: Karibib District: 65 km southwest of Usakos (CAS). – S. Gess and F. Gess, 2003:106 (Namibia: visiting flowers of *Indigofera auricoma* E. Mey., Fabaceae).

65. *zoymphion* Pulawski

Gastrosericus zoymphion Pulawski, 1995b:169, ♀, ♂. Holotype: ♀, Madagascar: 5 km north of Toliara (CAS). – Pulawski, 2003b:796 (in checklist of Malagasy Sphecidae); Madl, 2014a:962 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records, as *zoymphion*).

66. *zyx* Pulawski

Gastrosericus zyx Pulawski, 1995b:170, ♂. Holotype: ♂, Zambia: 42 km southwest of Petauke (CAS).

sp.

Roche, 1981:2 (in checklist of Sphecidae of United Arab Emirates); S. Gupta, 1995:86 (India: Uttar Pradesh); Gadallah, 2020b:36 (in list of aculeate wasps of Arabian Peninsula); Schmid-Egger and van Harten, 2022:547, 548, 549 (in key to *Gastrosericus* of Arabian Peninsula, species A and B).

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SPECIES DESCRIBED IN GASTROSERICUS AND TRANSFERRED TO LYRODA

errans R. Turner, 1936 = *Lyroda*