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A catalogue of the Megachilidae (Hymenoptera, Apoidea) of Eritrea

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A b s t r a c t : In Eritrea the family Megachilidae is represented by 35 species of the subfamily Megachilinae. Species of the genera *Anthidiellum* COCKERELL, 1904 (one species), *Coelioxys* LATREILLE, 1809 (five species), *Euaspis* GERSTAECKER, 1858 (one species), *Gronoceras* COCKERELL, 1907 (two species), *Megachile* LATREILLE, 1802 (22 species), *Noteriades* COCKERELL, 1931 (one species), *Hoplitis* KLUG, 1807 (one species), *Pseudoanthidium* FRIESE, 1898 (one species), and *Trachusa* PANZER, 1804 (one species) are catalogued.

K e y w o r d s : Megachilidae, Megachilinae, catalogue, Eritrea

Introduction

Megachilidae is a large family of long-tongued bees, which can be easily recognized by having the scopa under the metasoma except the parasitic species. In Eritrea only 35 species of the subfamily Megachilinae are known. Following genera of this subfamily are recorded from Eritrea: *Anthidiellum* COCKERELL, 1904 (one species), *Coelioxys* LATREILLE, 1809 (five species), *Euaspis* GERSTAECKER, 1858 (one species), *Gronoceras* COCKERELL, 1907 (two species), *Megachile* LATREILLE, 1802 (22 species), *Noteriades* COCKERELL, 1931 (one species), *Hoplitis* KLUG, 1807 (one species), *Pseudoanthidium* FRIESE, 1898 (one species), and *Trachusa* PANZER, 1804 (one species). Nothing is known about the biology of the Eritrean species.

Abbreviations

Afr. reg. Afrotropical region
biogeogr. biogeography
biol. biology
cat. catalogue
corr. correction
descr. description
distr. distribution
fig. (figs) figure(s)
orig. original
Pal. reg. Palaearctic region
pl. plate
syn. synonym
tab. table

tax. taxonomy

typ. gen..... typus generis

typ. subgen. typus subgeneris

* synonyms or false identifications are marked with an asterisk

Annotated catalogue

Subfamily Megachilinae

Anthidiellum eritrinum (FRIESE, 1915)

Anthidium eritrinum n.sp.: FRIESE 1915: 275 (Gheleb), 295 (descr. ♂, Gheleb).

Anthidiellum eritrinum (FRIESE, 1915): MAVROMOUSTAKIS 1936a: 44 (cat. Afr. reg.), 45 (tax., Gheleb).

Anthidiellum (Anthidiellum) eritrinum (FRIESE, 1915): PASTEELS 1984: not seen

Anthidiellum (Anthidiellum) eritrinum (FRIESE, 1915): RASMUSSEN & ASCHER 2008: 47 (cat. taxa described by Friese).

Anthidiellum eritrinum (FRIESE, 1915): EARDLEY & URBAN 2010: 231 (cat. Afr.).

Anthidiellum (Chloranthidiellum) eritrinum (FRIESE, 1915): EARDLEY 2018: 203 (key), 204 (tax.), 205 (tax., descr. ♀ ♂, Gheleb), 206 (figs 2a-d), 207 (figs 3a-g), 208 (fig. 4: map).

D i s t r i b u t i o n : Gheleb.

Anthidiellum eritrinum is only known from Eritrea.

Coelioxys antica WALKER, 1871

Coelioxys antica sp.n.: WALKER 1871: 51 (descr. ♀, Harkeko).

Caeloxys (!) antica WALKER, 1871: INNES BEY 1911: 106 (Harkeko not listed, Egypt (Sinai), cat. Lord Collection).

Coelioxys antica WALKER, 1871: ALFKEN 1934b: 177 (tax.).

D i s t r i b u t i o n : Harkeko.

Coelioxys antica is not mentioned in DE DALLA TORRE (1896), FRIESE (1895, 1909), PASTEELS (1968, 1977) and EARDLEY & URBAN (2010). There are different localities in WALKER (1871) and INNES BEY (1911).

Coelioxys caeruleipennis erythraeensis PASTEELS, 1968

Coelioxys (Coelioxys) caeruleipennis (!) erythraeensis n.subsp.: PASTEELS 1968a: 6 (key ♂), 53 (descr. ♂, Eritrea without locality).

Coelioxys caeruleipennis (!) race erythraeensis PASTEELS, 1968: PASTEELS 1977: 179 (tax., cat. Afr. reg.).

Coelioxys caeruleipennis erythraeensis PASTEELS, 1968: EARDLEY & URBAN 2010: 255 (cat. Afr. reg.).

D i s t r i b u t i o n : no exact locality.

Coelioxys caeruleipennis erythraeensis is only known from Eritrea.

Coelioxys cherenensis FRIESE, 1913

Coelioxys cherenensis n.sp.: FRIESE 1913a: 576 (descr. ♀ ♂, Keren).

Coelioxys cherenensis n.sp.: FRIESE 1913b: 598 (descr. ♀ ♂, Keren).

Coelioxys cherenensis FRIESE, 1913: FRIESE 1915: 276 (Keren).

Coelioxys (Liothyrapis) cherenensis FRIESE, 1913: COCKERELL 1935b: 2 (tax.).

Coelioxys (Liothyrapis) chrenensis (!) FRIESE, 1913: PASTEELS 1968a: 100 (key ♂), 102 (key ♀), 110 (tax., descr. ♀ ♂, Eritrea without locality), 112 (figs 134, 135).

Liothyrapis chrenensis (!) (FRIESE, 1913): PASTEELS 1977: 190 (tax. (not mentioned, only *chrenensis*-group (!) is mentioned).

Coelioxys (Liothyrapis) cherenensis FRIESE, 1913: RASMUSSEN & ASCHER 2008: 37 (cat. taxa described by Friese).

Coelioxys cherenensis FRIESE, 1913: EARDLEY & URBAN 2010: 255 (cat. Afr. reg. (Eritrea, not Ethiopia).

D i s t r i b u t i o n : Keren.

Coelioxys cherenensis, which is also recorded from Ghana, Sudan and Uganda, was described as new species twice. FRIESE (1913a) was published on 30.09.1913 and FRIESE (1913b) on 04.12.1913. EARDLEY & URBAN (2010: 255) refer to FRIESE (1913b) as original description.

***Coelioxys rufispina* WALKER, 1871**

Coelioxys rufispina sp.n.: WALKER 1871: 51 (descr. ♀, Harkeko).

Coelioxys rufispina WALKER, 1871: DE DALLA TORRE 1896: 493 (world cat. (Eritrea, not Egypt).

Caeloxys (!) *rufispina* WALKER, 1871: INNES BEY 1911: 106 (Harkeko not listed, only Egypt (Sinai), cat. Lord Collection).

Coelioxys (Coelioxys) rufispina WALKER, 1871: ALFKEN 1934b: 177 (tax.), 179 (tax, descr. ♂), 185 (key ♂), 187 (key ♀).

Coelioxys rufispina WALKER, 1871: PASTEELS 1968a: 9 (key ♂), 14 (key ♀), 20 (tax, descr. ♀ ♂, Eritrea (not Egypt), 22 (fig. 6).

Coelioxita rufispina (WALKER, 1871): PASTEELS 1977: 182 (tax., cat. Afr. reg.).

Coelioxys rufispina WALKER, 1871: EARDLEY & URBAN 2010: 263 (cat. Afr. reg.).

D i s t r i b u t i o n : Harkeko.

Coelioxys rufispina is known from the Afrotropical (e.g. Sudan) and Palaearctic regions. It is another example of different localities in WALKER (1871) and INNES BEY (1911).

***Coelioxys scioensis* GRIBODO, 1879**

Coelioxys scioënsis (!) GRIBODO, 1879: FRIESE 1915: 276 (Eritrea without locality).

Coelioxys (Liothyrapis) scioensis GRIBODO, 1879: PASTEELS 1968: 99 (key), 107 (tax., descr. ♀ ♂, Eritrea without locality).

Coelioxys scioensis GRIBODO, 1879: EARDLEY & URBAN 2010: 263 (cat. Afr. reg.).

D i s t r i b u t i o n : no exact locality.

Coelioxys scioensis is widely distributed in the Afrotropical region and is also recorded from Ethiopia.

***Euaspid erythros* (MEUNIER, 1890)**

Euaspid erythros (MEUNIER, 1890): MAGRETTI 1906: 15 (Keren).

D i s t r i b u t i o n : Keren.

The record from Eritrea has been overlooked till now. The identification should be checked.

***Gronoceras cinctum* (SMITH, 1853)**

Chalicodoma (Gronoceras) cincta (FABRICIUS, 1871): PASTEELS 1965: 517 (key ♂), 519 (key ♀), 524 (tax., descr. ♀ ♂, tropical Africa), 525 (figs 1233-1239).

**Megachile (Megachile) combusta* SMITH, 1853: FRIESE 1909: 96 (tax., biogeogr. as *M. guineensis* subsp. *combusta*), 325 (cat. Africa), 329 (key ♂), 333 (key ♀), 345 (tax., descr. ♀ ♂, biol., Eritrea without locality), pl. 9 (fig. 6 as *M. guineensis* (!) var. *combusta*), 467 (cat. Africa).

Megachile combusta SMITH, 1853: FRIESE 1915: 275 (Eritrea without locality).

Megachile guineensis subsp. *combusta* SMITH, 1853: FRIESE 1926 (In: BRAUNS): 188 (tax., Eritrea without locality).

Chalicodoma (Gronoceras) cincta forma *combusta* (SMITH, 1853): PASTEELS 1965: 518 (key ♂ as *Ch. cincta combusta*), 519 (key ♀ *Ch. cincta combusta*), 524 (syn., biol.), 527 (tax., descr. ♀ ♂, East and South Africa).

Megachile cincta combusta SMITH, 1853: EARDLEY & URBAN 2010: 285 (tax., cat. Afr. reg.).

D i s t r i b u t i o n : no exact locality.

Gronoceras cinctum is widely distributed in the Afrotropical region and is also recorded from Ethiopia and Sudan.

***Gronoceras felinum* (GERSTAECKER, 1858)**

Chalicodoma (Gronoceras) felina (GERSTAECKER, 1858): PASTEELS 1965: 402 (tax.), 517 (key ♂), 519 (key ♂), 527 (tax., descr. ♀ ♂, tropical Africa, Madagascar), 530 (fig. 1240).

Megachile felina GERSTAECKER, 1858: EARDLEY & URBAN 2010: 293 (cat. Afr. reg.).

Megachile (Gronoceras) felina GERSTAECKER, 1858: MADL 2018: 89 (fig. 3), 90 (tax., Eritrea without locality).

**Megachile kerenensis* n.sp.: FRIESE 1904: 301 (descr. ♂, Keren).

Megachile kerenensis FRIESE, 1904: MAGRETTI 1906: 15 (Keren).

Megachile (Megachile) kerenensis FRIESE, 1904: FRIESE 1909: 95 (map 6), 96 (tax., biogeogr. as *M. guineensis* subsp. *kerenensis*), 325 (cat. Africa), 329 (key ♂), 344 (tax., descr. ♂, Eritrea without locality, Keren), pl. 9 (fig. 3 as *M. guineensis* (!) var. *kerenensis*), 467 (cat. Africa).

Megachile keranensis (!) FRIESE, 1904: STRAND 1912: 141 (tax.).

Megachile kerenensis FRIESE, 1904: STRAND 1914a: 61 (syn. of *M. benguellensis* (COCKERELL, 1907)).

Megachile kerenensis FRIESE, 1904: FRIESE 1915: 274 (Eritrea without locality, Keren).

Megachile kerenensis FRIESE, 1904: FRIESE 1921: 1098 (map 4), 1099 (tax., Eritrea (not Ethiopia)).

Megachile kerenensis FRIESE, 1904: FRIESE 1926 (In: BRAUNS): 188 (tax., Eritrea without locality).

Gronoceras kerenensis (FRIESE, 1904): COCKERELL 1935a: 2 (tax.).

Megachile kerenensis FRIESE, 1904: COCKERELL 1937: 190 (tax., Keren).

Megachile kerenensis FRIESE, 1904: GUIGLIA 1939b: 92 (tax., Eritrea without locality).

Megachile felina forma *kerenensis* FRIESE, 1904: PASTEELS 1965: 517 (key ♂), 519 (key ♀), 527 (syn.), 529 (tax., descr. ♀ ♂, Keren).

Megachile kerenensis FRIESE, 1904: RASMUSSEN & ASCHER 2008: 61 (cat. taxa described by Friese).

Megachile guineensis cerenensis (!) FRIESE, 1926 (!): EARDLEY & URBAN 2010: 283 (cat. Afr. reg.).

D i s t r i b u t i o n : Keren.

Gronoceras felinum is widely distributed in the Afrotropical region including Malagasy subregion. It is recorded also from Sudan.

***Megachile adusta* WALKER, 1871**

Megachile adusta sp.n.: WALKER 1871: 47 (descr. ♂, Akeek Island).

Megachile adusta WALKER, 1871: DE DALLA TORRE 1896: 417 (world cat. (Eritrea, not Egypt)).

Megachile adusta WALKER, 1871: FRIESE 1899: 198 (tax., orig. descr.).

Megachile adusta WALKER, 1871: INNES BEY 1911: (Akeeko ("Akiko")).

Megachile adusta WALKER, 1871: FRIESE 1911: 218 (tax., descr. ♂, Akeek Island).

Megachile adusta WALKER, 1871: ALFKEN 1934a: 147 (tax.).

D i s t r i b u t i o n : Akeek Island.

Megachile adusta, which is only known from Eritrea, is not mentioned in FRIESE (1909), COCKERELL (1937), PASTEELS (1965) and EARDLEY & URBAN (2010).

***Megachile (Pseudomegachile) aduaensis* FRIESE, 1909**

Megachile (Chalicodoma) aduaensis (!) n.sp.: FRIESE 1909: 109 (tax., biogeogr.), 327 (cat. Africa), 332 (key ♂), 377 (descr. ♂, Eritrea without locality), 467 (cat. Africa).

Megachile aduaensis (!) FRIESE, 1909: STRAND 1912: 128 (distr., Eritrea without locality).

Megachile aduaensis (!) FRIESE, 1909: FRIESE 1915: 109 (tax.), 275 (Eritrea without locality).

Chalicodoma aduaensis (!) FRIESE, 1909: ALFKEN 1932: 54 (Bischoff compared specimen from Ethiopia with type, Eritrea without locality).

Megachile aduaensis (!) FRIESE, 1909: COCKERELL 1937: 137 (tax., Eritrea without locality).

Chalicodoma (Pseudomegachile) aduaensis (FRIESE, 1909): PASTEELS 1965: 382 (key ♂), 406 (tax., probably synonym of *Ch. cyanipennis* GUERIN-MÉNEVILLE, 1845).

Megachile (Pseudomegachile) aduaensis FRIESE, 1909: RASMUSSEN & ASCHER 2008: 19 (cat. taxa described by Friese).

Megachile aduaensis Friese, 1909: EARDLEY & URBAN 2010: 270 (cat. Afr. reg.).

D i s t r i b u t i o n : no exact locality.

Megachile aduaensis is known from Eritrea and Ethiopia. According to the given name the type locality is probably Adua in Ethiopia, which is situated near the Eritrean border. PASTEELS (1965: 417) described *Chalicodoma vachali* from Adua (Ethiopia, not Eritrea), which could be the male. There are no further records of *Megachile aduaensis* from Eritrea.

***Megachile (Pseudomegachile) albocincta basirubra* MAGRETTI, 1884**

Megachile albocincta basirubra n.var.: MAGRETTI 1884b: 624 (descr. ♂, Aikota).

Megachile albocincta var. *basirubra* MAGRETTI, 1884: MAGRETTI 1885: 293 (Aikota), 253 (cat. expedition).

D i s t r i b u t i o n : Aikota.

Megachile albocincta basirubra, which is also known from Sudan, has been overlooked until 2002, when BAKER (2002: 35) erroneously transferred it to the genus *Nomia* LATREILLE, 1804 (family Halictidae) and listed *Nomia albocincta* var. *basirubra* MAGRETTI, 1884 with the same reference data as a questionable synonym of *Nomiapis bispinosa* (BRULLÉ, 1832) (see also PAULY 2009: 171).

***Megachile (Creightonella) arabica* FRIESE, 1901**

Megachile (Creightonella) arabica FRIESE, 1901: MADL 2018: 88 (tax., biol., Eritrea without locality), 89 (fig. 2).

**Megachile sudanica* n.sp.: MAGRETTI 1899: 590 (footnote: tax., descr. ♂, Eritrea (Massawa)).

Creightoniella (!) *sudanica* (MAGRETTI, 1899): PASTEELS 1965: 16 (key), 25 (tax., descr. ♂, Eritrea without exact locality (= Massawa)).

**Megachile fülleborni* (!) FRIESE, 1903: FRIESE 1915: 275 (tax., Ethiopia without exact localities partim, misidentification).

**Megachile discolor* SMITH, 1853: EARDLEY & URBAN 2010: 289 (cat. Afr. reg. partim).

D i s t r i b u t i o n : Massawa.

Megachile arabica is also known from the Palearctic region (e.g. Yemen).

***Megachile (Eutricharea) argentata* (FABRICIUS, 1793)**

Megachile argentata (FABRICIUS, 1793): WALKER 1871: 47 (tax., Harkeko, Massawa).

Megachile argentata (FABRICIUS, 1793): INNES BEY 1911: 105 (Harkeko, cat. Lord Collection).

D i s t r i b u t i o n : Harkeko, Massawa.

This record of the Palearctic *Megachile argentata*, which has been overlooked till now, should be checked, because there are similar species in the Afrotropical region (e.g. *Megachile forbesii* COCKERELL, 1937).

***Megachile (Stenomegachile) chelostomoides* GRIBODO, 1894**

Megachile chelostomoides n.sp.: GRIBODO 1894: 301 (descr. ♀, Saganeiti).

Megachile chelostomoides GRIBODO, 1894: DE DALLA TORRE 1896: 425 (world cat.).

Megachile chelostomoides (!) GRIBODO, 1894: FRIESE 1909: 327 (cat. Africa), 380 (tax., orig. descr. ♀, Saganeiti), 467 (cat. Africa).

Megachile chelostomoides GRIBODO, 1894: FRIESE 1911: 278 (key ♀), 282 (tax., descr. ♀, Saganeiti).

Megachile chelostomoides GRIBODO, 1894: STRAND 1912: 128 (distr., Eritrea without locality).

Megachile chelostomoides (!) GRIBODO, 1894: FRIESE 1915: 275 (Saganeiti).

Megachile chelostomoides GRIBODO, 1894: COCKERELL 1937: 155 (tax., Eritrea without locality).

Chalicodoma (Stenomegachile) chelostomoides GRIBODO, 1894: PASTEELS 1965: 507 (typ. subgen.), 508 (tax., descr. ♀ ♂, Eritrea without locality), 510 (figs 1202-1214).

Megachile chelostomoides GRIBODO, 1894: EARDLEY & URBAN 2010: 282 (cat. Afr. reg.).

Megachile chelostomoides GRIBODO, 1894: PENATI & MARIOTTI 2015: 34 (tax, Saganeiti, cat. Hymenoptera described by Gribodo).

D i s t r i b u t i o n : Saganeiti.

Megachile chelostomoides is also known from the Democratic Republic of Congo.

***Megachile (Creightonella) cognata* (SMITH, 1853)**

Megachile cognata SMITH, 1853: MAGRETTI 1906: 13 (Adi-Ugri).

Megachile cognata SMITH, 1853: FRIESE 1915: 275 (Eritrea without locality).

Megachile cognata SMITH, 1853: GUIGLIA 1939a: 202 (tax., Keren).

Creightoniella cognata (SMITH, 1853): PASTEELS 1965: 17 (key ♂), 20 (key ♂), 46 (tax., descr. ♀ ♂, tropical Africa), 48 (figs 53-58), 523 (tax.).

D i s t r i b u t i o n : Adi Ugri, Keren.

Megachile cognata, which is widely distributed in the Afrotropical region, is not recorded from the neighbour countries. The record from Eritrea is not mentioned in FRIESE (1909: 358) and EARDLEY & URBAN (2010: 284).

***Megachile (Pseudomegachile) cyanipennis* GUÉRIN-MÉNEVILLE, 1844**

Megachile cyanipennis GUÉRIN-MÉNEVILLE, 1844: MAGRETTI 1885: 293 (Aikota).

Megachile cyanipennis GUÉRIN-MÉNEVILLE, 1844: MAGRETTI 1906: 15 (Keren), 19 (Sabarguma).

D i s t r i b u t i o n : Aikota, Keren, Sabarguma.

The record from Eritrea has been overlooked till now. *Megachile cyanipennis* is recorded

also from Ghana, Nigeria, Senegal and Sudan.

***Megachile (Maximegachile) galactogagates* GRIBODO, 1894**

Megachile galactogagates n.sp.: GRIBODO 1894: 298 (descr. ♂, Saganeiti).

Megachile galactogagates GRIBODO, 1894: DE DALLA TORRE 1896: 431 (world cat.).

Megachile (Chalicodoma) galactogagates GRIBODO, 1894: FRIESE 1909a: 327 (tax., cat. Africa), 385 (tax., orig. descr., Saganeiti).

Megachile galactogagates GRIBODO, 1894: FRIESE 1911: 276 (key ♂), 287 (tax., descr. ♂, Saganeiti).

Megachile galactogagates GRIBODO, 1894: STRAND 1912: 128 (distr., Eritrea without locality).

Megachile galactogagates GRIBODO, 1894: FRIESE 1915: 275 (Saganeiti).

Megachile galactogagates GRIBODO, 1894: COCKERELL 1937: 175 (tax., Eritrea without locality).

Megachile (Maximegachile) galactogagates GRIBODO, 1894: GUIGLIA & PASTEELS 1961: 28 (tax.).

Chalicodoma (Maximegachile) galactogagates GRIBODO, 1894: PASTEELS 1965: 507 (tax., descr. ♂, Saganeiti).

Megachile galactogagates GRIBODO, 1894: EARDLEY & URBAN 2010: 297 (cat. Afr. reg. (Eritrea, not Ethiopia)).

Megachile (Maximegachile) galactogagates GRIBODO, 1894: PENATI & MARIOTTI 2015: 59 (tax, Saganeiti, cat. Hymenoptera described by Gribodo).

D i s t r i b u t i o n : Saganeiti.

Megachile galactogagates is only known from the type locality in Eritrea.

***Megachile (Pseudomegachile) marshalli* FRIESE, 1904**

Megachile (Megachile) marshalli FRIESE, 1904: FRIESE 1909: 326 (cat. Africa), 329 (key ♂), 334 (key ♀), 356 (as *marshalli* (!), tax., descr. ♀ ♂, Eritrea without locality), 467 (cat. Africa).

Megachile marshalli FRIESE, 1904: STRAND 1912: 141 (corr.).

Megachile marshalli (!) FRIESE, 1904: FRIESE 1915: 275 (Eritrea without locality).

Megachile marshalli FRIESE, 1904: COCKERELL 1937: 200 (tax., Eritrea without locality), 212 (key).

Chalicodoma (Pseudomegachile) marshalli (!) (FRIESE, 1904): PASTEELS 1965: 382 (key ♂), 387 (key ♀), 412 (figs 988-993), 413 (tax., descr. ♀ ♂, Eritrea without locality).

Megachile marshalli FRIESE, 1904: EARDLEY & URBAN 2010: 309 (cat. Afr. reg. (Eritrea, not Ethiopia)).

D i s t r i b u t i o n : no exact locality.

Megachile marshalli is recorded also from Angola, Botswana, Malawi, Mozambique, Tanzania and Zimbabwe.

***Megachile (Maximegachile) maxillosa* GUÉRIN-MÉNEVILLE, 1844**

Megachile maxillosa GUÉRIN-MÉNEVILLE, 1844: MAGRETTI 1906: 15 (Keren).

Megachile (Maximegachile) maxillosa GUÉRIN-MÉNEVILLE, 1844: GUIGLIA & PASTEELS 1961: 20 (type cat. Museo Civico di Storia Naturale Giacomo Doria), 21 (tax., descr. ♀ ♂, Eritrea without locality), 23 (figs 1-7), 24 (figs 8-13), 25 (figs 14-18), 26 (figs 19-24), 27 (typ. subgen.).

Chalicodoma (Maximegachile) maxillosa (!) (GUÉRIN-MÉNEVILLE, 1844): PASTEELS 1965: 506 (tax., widely distributed).

D i s t r i b u t i o n : Keren.

Megachile maxillosa is widely distributed in the Afrotropical region and is also recorded from Ethiopia and Sudan. The record from Eritrea is not mentioned in EARDLEY & URBAN (2010: 310).

***Megachile (Callomegachile) mefistofelica* GRIBODO, 1894**

Megachile mefistofelica GRIBODO, 1894: MAGRETTI 1906: 15 (Keren).

Megachile mephistophelica (!) GRIBODO, 1894: GUIGLIA 1940: 296 (tax., Sabarguma, Tessenei).

Megachile mephistophelica (!) GRIBODO, 1894: EARDLEY & URBAN 2010: 311 (cat. Afr. reg. (Eritrea under Ethiopia)).

**Megachile albocincta* RADOSZKOWSKI, 1874: MAGRETTI 1884: 624 (tax., Aikota).

Megachile albocincta RADOSZKOWSKI, 1874: DE DALLA TORRE 1896: 418 (world cat. partim (Eritrea under Egypt)).

D i s t r i b u t i o n : Aikota, Sabarguma, Tessenei.

GRIBODO (1894: 284 (footnote 2) received from Magretti only one female and one male from Kassala (Sudan) under the name *Megachile albocincta*, but no material from Aikota. The record from Eritrea is not mentioned in FRIESE (1909: 336; 1915: 274), COCKERELL (1937: 204) and PASTEELS (1965: 483). *Megachile mefistofelica* is also recorded from Cameroon, Ethiopia, Gambia, Ghana, Nigeria, Senegal and Sudan.

***Megachile (Eutrichareae) microxantha* COCKERELL, 1937**

Megachile (Eutrichareae) microxantha COCKERELL, 1937: PASTEELS 1965: 204 (key ♀), 246 (figs 537, 538), 248 (tax., descr. ♀, Asmara).

D i s t r i b u t i o n : Asmara.

Megachile microxantha, which is known from the Afrotropical (Eritrea) and Palaearctic (Yemen) regions, is not mentioned in EARDLEY & URBAN (2010).

***Megachile (Eutrichareae) minutissima* RADOSZKOWSKI, 1876**

Megachile minutissima RADOSZKOWSKI, 1876: FRIESE 1915: 265 (tax.), 275 (Keren).

Megachile minutissima RADOSZKOWSKI, 1876: PASTEELS 1965: 337 (tax., descr. ♀ ♂, Keren).

Megachile minutissima RADOSZKOWSKI, 1874 (!): EARDLEY & URBAN 2010: 312 (cat. Afr. reg. (Eritrea, not Ethiopia)).

Megachile (Eutrichareae) minutissima RADOSZKOWSKI, 1876: MADL 2018: 90 (tax., Keren).

D i s t r i b u t i o n : Keren.

Megachile minutissima is widely distributed in the southern Palaearctic region from Egypt to Pakistan. In the Afrotropical region it is known only from Eritrea.

***Megachile (Amegachile) nasalis* SMITH, 1879**

Megachile (Amegachile) nasalis SMITH, 1879: PASTEELS 1965: 177 (key ♂), 179 (key ♀), 185 (tax., descr. ♀ ♂, Eritrea not mentioned), 187 (figs 406-411).

Megachile nasalis SMITH, 1879: EARDLEY & URBAN 2010: 313 (cat. Afr. reg. (Eritrea, not Ethiopia)).

**Megachile volkmanni* FRIESE, 1904: MAGRETTI 1906: 10 (Sabarguma).

Megachile (Amegachile) volkmanni FRIESE, 1904: FRIESE 1909: 326 (cat. Africa), 331 (key ♂), 335 (key ♀), 370 (tax., descr. ♀ ♂, Eritrea without locality), 467 (cat. Africa).

**Megachile volkmanni nigrescens* n.var.: FRIESE 1904: 300 (descr. ♂, Eritrea without locality).

Megachile (Amegachile) volkmanni var. *nigrescens* FRIESE, 1904: FRIESE 1909: 370 (tax., descr. ♀ ♂, Eritrea without locality).

Megachile nasalis var. *nigrescens* FRIESE, 1904: COCKERELL 1937: 208 (tax., Eritrea without locality).

Megachile volkmanni var. *nigrescens* FRIESE, 1904: PASTEELS 1965: 185 (syn.).

Megachile volkmanni nigrescens FRIESE, 1904: RASMUSSEN & ASCHER 2008: 75 (cat. taxa described by Friese).

D i s t r i b u t i o n : Sabarguma.

Megachile nasalis, which is widely distributed in the Afrotropical region, is not recorded from the neighbour countries.

***Megachile (Eurymella) patellimana* SPINOLA, 1839**

Megachile patellimana SPINOLA, 1839: MAGRETTI 1906: 11 (Ghinda).

Megachile (Amegachile) patellimana SPINOLA, 1839: FRIESE 1909: 93 (map 5), 94 (biogeogr.), 326 (tax., cat. Africa), 333 (key ♀), 374 (tax., Harkeko), 467 (cat. Africa).

Megachile patellimana SPINOLA, 1839: FRIESE 1915: 275 (Harkeko).

Megachile (Eurymella) patellimana SPINOLA, 1839: PASTEELS 1965: 73-4 (key ♂), 75 (key ♀), 143 (figs 291-294), 147 (tax., descr. ♀ ♂, Eritrea not mentioned), 149 (figs 295), 558 (biogeogr.).

Megachile patellimana SPINOLA, 1839: EARDLEY & URBAN 2010: 317 (cat. Afr. reg.).

**Megachile xanthopus* GERSTAECKER, 1858: WALKER 1871: 47 (tax., Harkeko).

Megachile xanthopus GERSTAECKER, 1858: FRIESE 1899: 221 (tax., descr. ♀, Eritrea under Egypt).

Megachile xanthopus GERSTAECKER, 1858: INNES BEY 1911: 105 (Harkeko, cat. Lord Collection).

D i s t r i b u t i o n : Ghinda, Harkeko.

Megachile patellimana is known from the Afrotropical (e.g. Sudan) and Palearctic regions. The record from Eritrea (or Ethiopia) is not mentioned in EARDLEY & URBAN (2010: 317), although FRIESE (1915) is cited.

***Megachile (Callomegachile) rufiventris* GUÉRIN-MÉNEVILLE, 1834**

Megachile rufiventris GUÉRIN-MÉNEVILLE, 1834: MAGRETTI 1906: 15 (Keren).

Megachile rufiventris GUÉRIN-MÉNEVILLE, 1834: FRIESE 1909: 96 (tax.), 325 (tax., cat. Africa), 328 (key ♂), 332 (key ♀), 341 (tax., descr. ♀ ♂, Eritrea without locality), 467 (cat. Africa).

Megachile rufiventris GUÉRIN-MÉNEVILLE, 1834: FRIESE 1915: 274 (Eritrea without locality).

Megachile (Eumegachile) rufiventris GUÉRIN-MÉNEVILLE, 1834: COCKERELL 1937: 227 (tax., Eritrea without locality).

Chalicodoma (Callomegachile) rufiventris (!) (GUÉRIN-MÉNEVILLE, 1834): PASTEELS 1965: 486 (tax., descr. ♀ ♂, Eritrea under East Africa), 487 (figs 1146-1155).

Megachile rufiventris GUÉRIN-MÉNEVILLE, 1834: EARDLEY & URBAN 2010: 325 (cat. Afr. reg.).

**Megachile grandiceps* n.sp.: FRIESE 1903: 274 (tax., descr. ♂, Keren).

Megachile grandiceps FRIESE, 1903: MAGRETTI 1906: 15 (Keren).

Megachile (Eumegachile) grandiceps FRIESE, 1903: FRIESE 1909: 325 (tax., cat. Africa), 328 (key ♂), 341 (tax., descr. ♂, Keren), 467 (cat. Africa).

Megachile grandiceps FRIESE, 1903: STRAND 1911: 134 (tax. (compared with cotype), Keren).

Megachile grandiceps FRIESE, 1903: STRAND 1912: 140 (tax.).

Megachile grandiceps FRIESE, 1903: FRIESE 1915: 274 (Keren).

Megachile grandiceps FRIESE, 1903: COCKERELL 1937: 178 (tax., Eritrea without locality).

Megachile grandiceps FRIESE, 1903: PASTEELS 1965: 486 (syn.).

Megachile grandiceps FRIESE, 1903: RASMUSSEN & ASCHER 2008: 55 (cat. taxa described by Friese).

D i s t r i b u t i o n : Keren.

Megachile rufiventris is widespread in the Afrotropical region including Malagasy subregion.

***Megachile (Pseudomegachile) saganeitana* GRIBODO, 1894**

Megachile saganeitana (!) n.sp.: GRIBODO 1894: 300 (descr. ♀, Saganeiti).

Megachile saganeitana GRIBODO, 1894: DE DALLA TORRE 1896: 448 (world cat.).

Megachile saganeitana (!) GRIBODO, 1894: FRIESE 1909: 327 (cat. Africa), 393 (tax., orig. descr. ♀, Saganeiti), 468 (cat. Africa).

Megachile saganeitana (!) GRIBODO, 1894: FRIESE 1911: 278 (key ♀), 291 (tax., descr. ♀, Saganeiti).

Megachile saganeitana GRIBODO, 1894: STRAND 1912: 128 (distr., Eritrea without locality).

Megachile saganeitana (!) GRIBODO, 1894: FRIESE 1915: 275 (Saganeiti).

Megachile saganeitana GRIBODO, 1894: COCKERELL 1937: 229 (tax., Saganeiti).

Chalicodoma (Neglectella) saganeitana (GRIBODO, 1894): PASTEELS 1965: 435-6 (key ♀), 442 (tax., descr. ♀, Saganeiti).

Megachile saganeitana GRIBODO, 1894: EARDLEY & URBAN 2010: 326 (cat. Afr. reg.).

Megachile (Pseudomegachile) saganeitana GRIBODO, 1894: PENATI & MARIOTTI 2015: 110 (tax, Saganeiti, cat. Hymenoptera described by Gribodo).

D i s t r i b u t i o n : Saganeiti.

Megachile saganeitana is only known from Eritrea.

***Megachile (Callomegachile) simonyi* FRIESE, 1903**

Megachile simonyi n.sp.: FRIESE 1903: 287 (descr. ♀ ♂, Keren).

Megachile simonyi FRIESE, 1903: MAGRETTI 1906: 15 (Keren).

Megachile (Eumegachile) simonyi FRIESE, 1903: KOHL 1906: 184 (tax., descr. ♀ ♂, Keren), pl. 1 (fig. 5).

Megachile (Eumegachile) simonyi FRIESE, 1903: FRIESE 1909: 325 (cat. Africa), 328 (key ♂), 332 (key ♀), 340 (tax., descr. ♀ ♂, Keren), 467 (cat. Africa).

Megachile simonyi FRIESE, 1903: FRIESE 1915: 274 (Keren).

Megachile simonyi FRIESE, 1903: COCKERELL 1937: 236 (tax., Keren).

Megachile simonyi FRIESE, 1903: GUIGLIA 1940: 297 (tax., Keren).

Chalicodoma (Callomegachile) simonyi (FRIESE, 1903): PASTEELS 1965: 463 (key ♂), 480 (fig. 1130), 481 (tax., descr. ♂, Eritrea without locality).

Megachile (Callomegachile) simonyi FRIESE, 1903: RASMUSSEN & ASCHER 2008: 98 (cat. taxa described by Fries).

Megachile simonyi FRIESE, 1903: EARDLEY & URBAN 2010: 329 (cat. Afr. reg. (Eritrea, not Ethiopia)).

D i s t r i b u t i o n : Keren.

Megachile simonyi is known from the Afrotropical (Eritrea, Somalia) and Palaearctic (Yemen) regions.

***Megachile (Creightonella) sudanica* MAGRETTI, 1899**

Megachile sudanica MAGRETTI, 1899: MAGRETTI 1906: 15 (Keren).

Megachile sudanica MAGRETTI, 1898: PRAZ 2017: 30 (tax.).

D i s t r i b u t i o n : Keren.

Megachile sudanica is also recorded from Ethiopia, Somalia and Sudan. The record from Eritrea is not mentioned in EARDLEY & URBAN (2010: 331).

***Megachile (Eutricharaea) venusta* SMITH, 1853**

Megachile venusta GERSTAECKER (!): MAGRETTI 1906: 11 (Ghinda).

Megachile venusta SMITH, 1853: GUIGLIA 1932: 133 (tax., Ghinda (Dongollo)).

**Megachile gratiosa* GERSTAECKER, 1857: WALKER 1871: 47 (tax., Harkeko).

Megachile gratiosa GERSTAECKER, 1857: FRIESE 1899: 207 (tax., descr. ♂, Eritrea (not Egypt)).

Megachile gratiosa GERSTAECKER, 1857: INNES BEY 1911: 105 (without locality, cat. Lord Collection).

Megachile gratiosa GERSTAECKER, 1857: MAGRETTI 1906: 19 (Sabarguma).

Megachile gratiosa GERSTAECKER, 1857: FRIESE 1911: 218 (tax.), 222 (tax., descr. ♂, Eritrea (not Egypt)).

Megachile (Eutricharaea) gratiosa GERSTAECKER, 1858: PASTEELS 1965: 200 (key ♂), 204 (key ♀), 208 (tax., descr. ♀ ♂, widely distributed), 210 (figs 440-449).

D i s t r i b u t i o n : Harkeko, Sabarguma.

The record of *Megachile venusta* from Eritrea is not mentioned in COCKERELL (1937: 248) and EARDLEY & URBAN (2010: 335). The record of *Megachile gratiosa* from Eritrea is not mentioned in de DALLA TORRE (1896: 432), FRIESE (1909: 368; 1911: 222), COCKERELL (1937: 179) and EARDLEY & URBAN (2010: 298).

***Megachile (Eutricharaea) walkeri* DE DALLA TORRE, 1896**

Megachile walkeri n.nom.: DE DALLA TORRE 1896: 452 (replacement name for *M. fulvescens* WALKER, 1871, world cat. (Eritrea under Egypt)).

Megachile walkeri DE DALLA TORRE, 1896: FRIESE 1899: 221 (tax., orig. descr.).

Megachile walkeri DE DALLA TORRE, 1896: FRIESE 1911: 218 (tax.), 228 (tax., descr. ♂, Eritrea under Egypt).

Megachile (Eutricharaea) walkeri DE DALLA TORRE, 1896: ALFKEN 1934a: 147 (tax.), 156 (key ♂), 161 (key ♀).

Megachile (Eutricharaea) walkeri DE DALLA TORRE, 1896: ENGEL 2008: 151 (tax.), 155 (fig. 5).

Megachile (Eutricharaea) walkeri DE DALLA TORRE, 1896: PRAZ 2017: 33 (tax.), 35 (tax.).

**Megachile fulvescens* sp.n.: WALKER 1871: 47 (descr. ♀ ♂, Harkeko).

Megachile fulvescens WALKER, 1871: ALFKEN 1933: 56 (syn. of *M. flavipes* SPINOLA, 1838), 57 (tax.).

D i s t r i b u t i o n : Harkeko.

Megachile walkeri is also known from the southern Palaearctic region (e.g. Saudi Arabia). It is not mentioned in PASTEELS (1965) and EARDLEY & URBAN (2010). *Megachile fulvescens* WALKER, 1871 is a junior homonym of *Megachile fulvescens* SMITH, 1853.

***Noteriades argentatus* (GERSTAECKER, 1858)**

Eriades (!) argentatus GERSTAECKER, 1858: FRIESE 1915: 274 (Ghinda).

Noteriades argentatus (GERSTAECKER, 1858): EARDLEY & URBAN 2010: 213 (cat. Afr. reg.).

D i s t r i b u t i o n : Ghinda.

Noteriades argentatus is known also from Mozambique and Tanzania.

***Hoplitis contracta* (WALKER, 1871)**

Osmia contracta sp.n.: WALKER 1871: 47 (descr. ♀ ♂, Harkeko, Dahlak Island).

Osmia contracta WALKER, 1871: DE DALLA TORRE 1896: 391 (world cat.).

Osmia contracta WALKER, 1871: INNES BEY 1911: 104 (without locality, cat. Lord Collection).

Osmia contracta WALKER, 1871: FRIESE 1911: 129 (tax., descr. ♀ ♂, Harkeko, Dahlak Island).

Hoplitis (Tridentosmia) contracta (WALKER, 1871): VAN DER ZANDEN 1988: 122 (tax., cat. Pal. reg. (Eritrea, not Ethiopia)).

Hoplitis (Alcidamea) contracta (WALKER, 1871): UNGRICHT, MÜLLER & DORN 2008: 63 (tax., cat. Pal. reg.).

D i s t r i b u t i o n : Harkeko, Dahlak Island.

Osmia contracta, which is only known from Eritrea, is not mentioned in FRIESE (1909) and EARDLEY & URBAN (2010).

***Pseudoanthidium truncatum* (SMITH, 1854)**

Anthidium truncatum SMITH, 1854: MAGRETTI 1906: 19 (Sabarguma).

D i s t r i b u t i o n : Sabarguma.

Pseudoanthidium truncatum is widely distributed in the Afrotropical region and is also recorded from Sudan. The record from Eritrea is not mentioned in FRIESE (1909: 406) and EARDLEY & URBAN (2010: 248).

***Trachusa massauahensis* PASTEELS, 1984**

Trachusa (Massanthidium) massauahensis n.sp.: PASTEELS 1984: 118 or 120 descr. ♂, Massawa). Akademie

Trachusa massauahensis PASTEELS, 1984: EARDLEY & URBAN 2010: 251 (cat. Afr. reg.).

Trachusa (Massanthidium) massauahensis PASTEELS, 1984: KASPAREK 2017: 19 (tab. 1: world cat.), 23 (tax.), 24 (fig. third row right), 25 (tab. 2: tax.), 29 (key ♂), 30 (♀ unknown), 64 (fig. below right, fig. (drawn), 74 (tax., descr. ♂, Massawa), 75 (figs), 76 (figs), 77 (figs), 150 (annex: material).

Trachusa (Paraanthidium) massauahensis PASTEELS, 1984: KASPAREK 2018: 331 (tax.), 336 (tax.), 339 (key ♂).

D i s t r i b u t i o n : Massawa.

Trachusa massauahensis is only known from Eritrea.

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Zusammenfassung

Die Familie Megachilidae ist in Eritrea mit 35 Arten aus der Unterfamilie Megachilinae nachgewiesen. Die Arten der Gattungen *Anthidiellum* COCKERELL, 1904 (eine Art), *Coelioxys* LATREILLE, 1809 (fünf Arten), *Euaspis* GERSTAECKER, 1858 (eine Art), *Gronoceras* COCKERELL, 1907 (zwei Arten), *Megachile* LATREILLE, 1802 (22 Arten), *Noteriades* COCKERELL, 1931 (eine Art), *Hoplitis* KLUG, 1807 (eine Art), *Pseudoanthidium* FRIESE, 1898 (eine Art) und *Trachusa* PANZER, 1804 (eine Art) werden aufgelistet.

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