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## A catalogue of the Apidae (Hymenoptera, Apoidea) of Eritrea

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**A b s t r a c t :** Currently 72 species of the family Apidae are known from Eritrea including the subfamilies Apinae (48 species), Nomadinae (four species) and Xylocopinae (22 species).

**K e y w o r d s :** Apidae, Apinae, Nomadinae, Xylocopinae, catalogue, Eritrea

### Introduction

Species of the family Apidae belong to the long-tongued bees as the family Megachilidae. They have diverse biologies ranging from solitary to eusocial behaviour including parasitism.

The apid fauna of Eritrea is poorly known and the records are mainly based on material collected more than 100 years ago. Hitherto 74 species have been recorded including the honey bee *Apis mellifera* LINNAEUS, 1758, which is used in apiculture. The subfamily Apinae is represented by 48 species, the subfamily Nomadinae by four species and the subfamily Xylocopinae by 22 species. Nothing is known about the biology of the Eritrean bees.

Currently there are no records of the dwarf honey bee, *Apis florea* FABRICIUS, 1787, which has been recorded from the neighbour countries Sudan, Ethiopia and Djibouti (MADL 2018).

### Abbreviations

Afr. Reg..... Afrotropical Region  
biogeogr. .... biogeography  
biol. .... biology  
cat..... catalogue  
descr..... description  
design. .... designation  
fig. (figs) ..... figure(s)  
orig. .... original  
pl. (pls) ..... plate(s)  
typ. gen..... typus generis  
typ. subgen. .... typus subgeneris  
syn..... synonym  
tax. .... taxonomy

## Annotated catalogue

## Subfamily A p i n a e

***Amegilla (Megamegilla) acraensis* (FABRICIUS, 1793)**

*Podalirius acraensis* FABRICIUS, 1793: MAGRETTI 1906: 10 (Sabarguma), 15 (Keren).

*Anthophora acraensis* (!) (FABRICIUS, 1793): FRIESE 1909b: 261 (cat. Africa), 263 (key ♂), 265 (key ♀), 269 (tax., Keren), 466 (cat. Africa).

*Anthophora acraensis* (!) (FABRICIUS, 1793): FRIESE 1915: 272 (Keren).

*Amegilla acraensis* (FABRICIUS, 1793): EARDLEY & URBAN 2010: 433 (cat. Afr. Reg. (Eritrea, not Ethiopia)).

\**Podalirius bipartitus* SMITH, 1854: MAGRETTI 1906: 10 (Sabarguma).

\**Anthophora bipartita comperei* n.ssp.: COCKERELL 1935: 1 (descr. ♂, Nefasit).

*Anthophora bipartita* ssp. *comperei* COCKERELL, 1935: BROOKS 1988: 559 (syn.).

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

*Amegilla acraensis* is widely distributed in the Afrotropical Region, but is unknown from the neighbour countries.

***Amegilla antimena* (DE SAUSSURE, 1890)**

*Podalirius antimerus* (!) DE SAUSSURE, 1890: MAGRETTI 1906: 11 (Ghinda).

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

The record from Eritrea, which is not mentioned in FRIESE (1909b, 1915) and EARDLEY & URBAN (2010: 436), should be checked, because *Amegilla antimena* is endemic to the Malagasy Subregion (Seychelles (Aldabra), Madagascar).

***Amegilla atrocincta* (LEPELETIER DE SAINT-FARGEAU, 1841)**

*Podalirius plumipes* var. *atrocinctus* (LEPELETIER DE SAINT-FARGEAU, 1841): MAGRETTI 1906: 12 (Mai-Hadegà).

*Amegilla atrocincta* (LEPELETIER DE SAINT-FARGEAU, 1841): EARDLEY & URBAN 2010: 436 (cat. Afr. Reg. (Eritrea under Ethiopia)).

\**Podalirius plumipes* FABRICIUS, 1781: MAGRETTI 1906: 15 (Keren).

*Anthophora plumipes* FABRICIUS, 1781: FRIESE 1915: 272 (Mai Hadega).

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

*Amegilla atrocincta* is widely distributed in the Afrotropical Region and is also recorded from Ethiopia.

***Amegilla byssina* (KLUG, 1845)**

*Anthophora byssina* (KLUG, 1845): FRIESE 1915: 273 (Eritrea without locality).

*Amegilla byssina* (KLUG, 1845): EARDLEY & URBAN 2010: 437 (cat. Afr. Reg. (Eritrea under Ethiopia)).

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

*Amegilla byssina* is known from the Afrotropical (Eritrea, Ethiopia) and Palaearctic regions.

***Amegilla caerulea* (FRIESE, 1905)**

*Anthophora caerulea* FRIESE, 1905: FRIESE 1909b: 262 (cat. Africa), 264 (key ♂), 280 (tax., descr. ♂, biol., Gheleb), 466 (cat. Africa).

*Anthophora caerulea* FRIESE, 1905: FRIESE 1915: 273 (Gheleb), 290 (tax., descr. ♀, Gheleb).

*Amegilla caerulea* (FRIESE, 1905): EARDLEY & URBAN 2010: 438 (cat. Afr. Reg. (Eritrea under Ethiopia)).

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

*Amegilla caerulea* is widely distributed in the Afrotropical Region and is also known from Ethiopia.

***Amegilla calens* (LEPELETIER DE SAINT-FARGEAU, 1841)**

*Anthophora calens* LEPELETIER DE SAINT-FARGEAU, 1841: WALKER 1871: 55 (tax., Massawa).

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

*Amegilla calens* is widely distributed in the Afrotropical Region and is also known from Sudan. The record from Eritrea is not mentioned in INNES BEY (1911: 107), FRIESE (1909b: 275, 1915) and EARDLEY & URBAN (2010: 438).

***Amegilla cana* (WALKER, 1871)**

*Anthophora cana* n.sp: WALKER 1871: 56 (descr. ♀ ♂, Harkeko, Massawa).

*Podalirius canus* (WALKER, 1871): DE DALLA TORRE 1896: 262 (tax., world cat. (Eritrea, not Egypt)).

*Anthophora cana* WALKER, 1871: INNES BEY 1911: 107 (Harkeko, cat. Lord Collection).

*Anthophora cana* WALKER, 1871: ALFKEN 1926: 101 (syn. of *Anthophora byssina* KLUG).

*Amegilla cana* (WALKER, 1871): BROOKS 1988: 515 (tax.), 561 (app. 3: world cat.).

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

*Amegilla cana*, which is not mentioned in FRIESE (1909b, 1915) and EARDLEY & URBAN (2010), is only known from Eritrea.

***Amegilla capensis* (FRIESE, 1905)**

*Anthophora capensis* FRIESE, 1905: FRIESE 1909b: 262 (cat. Africa), 263 (key ♂), 277 (tax., descr. ♂, Asmara), 466 (cat. Africa).

*Anthophora capensis* FRIESE, 1905: FRIESE 1915: 273 (Asmara).

*Amegilla capensis* (FRIESE, 1905): EARDLEY & URBAN 2010: 438 (cat. Afr. Reg. (Eritrea, not Ethiopia)).

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

*Amegilla capensis* is widely distributed in the Afrotropical Region, but is not recorded from West Africa. It is also unknown from the neighbour countries.

***Amegilla circulata* (FABRICIUS, 1781)**

*Anthophora circulata* (FABRICIUS, 1781): FRIESE 1915: 273 (Eritrea without locality).

*Amegilla circulata* (FABRICIUS, 1781): EARDLEY & URBAN 2010: 439 (cat. Afr. Reg. (Eritrea, not Ethiopia)).

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

*Amegilla capensis* is widely distributed in the Afrotropical Region, but is not recorded from the neighbour countries.

***Amegilla eritrina* (FRIESE, 1915)**

*Anthophora eritrina* n.sp.: FRIESE 1915: 273 (Asmara), 289 (descr. ♀ ♂, Asmara).

*Amegilla (Zebramegilla) eritrina* (FRIESE, 1915): BROOKS 1988: 504 (tax.), 564 (app. 3: world cat.).

*Anthophora eritrina* FRIESE, 1915: RASMUSSEN & ASCHER 2008: 46 (cat. taxa described by Friese).

*Amegilla eritrina* (FRIESE, 1915): EARDLEY & URBAN 2010: 440 (cat. Afr. Reg. (Eritrea, not Ethiopia)).

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

*Amegilla eritrina* is also known from Ghana, Kenya and Nigeria.

***Amegilla niveocincta* SMITH, 1854**

*Amegilla (Zonamegilla) niveocincta* SMITH, 1854: BROOKS 1988: 511 (tax.), 569 (app. 3: tax., world cat.).

\**Anthophora bimaculifera* n.sp.: WALKER 1871: 57 (descr. ♂, Harkeko).

*Anthophora bimaculifera* WALKER, 1871: BROOKS 1988: 569 (syn.).

\**Podalirius bimaculosus* n.nom.: DE DALLA TORRE 1896: 260 (replacement name, world cat. (Eritrea, not Egypt)).

*Podalirius bimaculosus* DE DALLA TORRE, 1896: FRIESE 1897: 289 (tax., orig. descr.).

*Podalirius bimaculosus* DE DALLA TORRE, 1896: BROOKS 1988: 569 (syn.).

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

*Amegilla niveocincta* is known from the Oriental Region: The record from Eritrea is not mentioned in FRIESE (1909b) and EARDLEY & URBAN (2010).

***Amegilla nubica* (LEPELETIER DE SAINT-FARGEAU, 1841)**

*Anthophora nubica* LEPELETIER DE SAINT-FARGEAU, 1841: MAGRETTI 1884b: 628 (tax., biol., Keren, Khor Lebka).

*Anthophora nubica* LEPELETIER DE SAINT-FARGEAU, 1841: MAGRETTI 1885: 330 (Keren), 333 (Khor Lebka), 352 (cat. expedition).

*Podalirius nubicus* (LEPELETIER DE SAINT-FARGEAU, 1841): MAGRETTI 1906: 10 (biol., Massawa), 12 (Mai Hadegà), 15 (Keren), 19 (Ailet).

*Anthophora nubica* LEPELETIER DE SAINT-FARGEAU, 1841: GUIGLIA 1939a: 202 (tax., Keren, Massawa, Sabarguma).

**D i s t r i b u t i o n :** Ailet, Keren, Khor Lebka, Mai Hadega, Massawa.

*Amegilla nubica* is known from the Afrotropical (e.g. Sudan) and Palaearctic regions. The record from Eritrea is not mentioned in FRIESE (1909b: 271, 1915) and EARDLEY & URBAN (2010: 444).

***Amegilla pulverea* (WALKER, 1871)**

*Anthophora pulverea* n.sp.: WALKER 1871: 57 (descr. ♂, Harkeko).

*Podalirius pulvereus* (WALKER, 1871): DE DALLA TORRE 1896: 283 (tax., world cat. (Eritrea under Egypt)).

*Anthophora pulverea* WALKER, 1871: INNES BEY 1911: 107 (Harkeko, cat. Lord Collection).

*Amegilla pulverea* (WALKER, 1871): BROOKS 1988: 515 (tax.), 571 (app. 3: tax., world cat.).

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

*Amegilla pulverea*, which is not mentioned in FRIESE (1909b, 1915) and EARDLEY & URBAN (2010), is only known from Eritrea.

***Amegilla punctifrons* (WALKER, 1871)**

- Anthophora punctifrons* n.sp.: WALKER 1871: 57 (descr. ♂, Massawa).  
*Podalirius punctifrons* (WALKER, 1871): DE DALLA TORRE 1896: 283 (tax., world cat. (Eritrea, not Egypt), footnote: tax.).  
*Anthophora punctifrons* WALKER, 1871: INNES BEY 1911: 107 (without locality, cat. Lord Collection).  
*Amegilla (Zebramegilla) punctifrons* (WALKER, 1871): BROOKS 1988: 504 (tax.), 571 (app. 3: tax., world cat.).  
*Amegilla (Zebramegilla) punctifrons* (WALKER, 1871): EARDLEY 1994:38 (key ♂, 40 (fig. 105: map), 43 (tax. descr. ♀ ♂, Eritrea not seen), 45 (figs 106-110), 64 (figs 159, 160).  
*Amegilla punctifrons* (WALKER, 1871): EARDLEY & URBAN 2010: 455 (cat. Afr. Reg. (Eritrea, not Egypt)).

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

*Amegilla punctifrons* is widely distributed in the Afrotropical Region and is also recorded from Sudan. The record from Eritrea is not mentioned in FRIESE (1909b, 1915).

***Amegilla quadrifasciata* (DE VILLERS, 1789)**

- Anthophora quadrifasciata* (DE VILLERS, 1789): MAGRETTI 1884b: 627 (tax., Keren).  
*Anthophora quadrifasciata* (DE VILLERS, 1789): DE DALLA TORRE 1896: 286 (world cat.).  
*Anthophora quadrifasciata* (DE VILLERS, 1789): GUIGLIA 1932: 131 (tax., Ghinda).  
*Amegilla quadrifasciata* (DE VILLERS, 1789): EARDLEY & URBAN 446 (tax., cat. Afr. Reg.).

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

*Anthophora quadrifasciata*, which is not mentioned in FRIESE (1909b, 1915), is widely distributed in the Palaearctic Region. In the Afrotropical Region it is recorded from Eritrea and Socotra.

***Anthophora alternans* (KLUG, 1845)**

- Podalirius quadrifasciatus* var. *alternans* (KLUG, 1845): MAGRETTI 1906: 10 (biol., Massawa).

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

*Anthophora alternans*, which is not mentioned in FRIESE (1909b, 1915) and EARDLEY & URBAN (2010), is known from the Palaearctic Region.

***Anthophora armata* FRIESE, 1905**

- Anthophora armata* n.sp.: FRIESE 1905: 234 (descr. ♂, Eritrea without locality).  
*Anthophora armata* FRIESE, 1905: FRIESE 1909a: 139 (tax., cat. Afr. Reg.).  
*Anthophora armata* FRIESE, 1905: FRIESE 1909b: 89 (map 1), 261 (tax., cat. Africa), 263 (key ♂), 264 (key ♀), 269 (tax., descr. ♀ ♂, Eritrea without locality), 467 (cat. Africa).  
*Anthophora armata* FRIESE, 1905: STRAND 1912b: 136 (tax.).  
*Anthophora armata* FRIESE, 1905: FRIESE 1915: 272 (tax., Eritrea without locality).  
*Anthophora (Paramegilla) armata* FRIESE, 1905: BROOKS 1988: 476 (tax.), 560 (app. 3: tax., world cat.).  
*Anthophora (Paramegilla) armata* FRIESE, 1905: EARDLEY & BROOKS 1989: 40 (key), 44 (tax., type design. by Brooks, descr. ♀ ♂, Eritrea without locality), 45 (fig. 175 (map), 46 (figs 176, 177, 182, 183), 55 (figs 206, 207).  
*Anthophora (Paramegilla) armata* FRIESE, 1905: RASMUSSEN & ASCHER 2008: 25 (cat. taxa described by Friese).  
*Anthophora armata* FRIESE, 1905: EARDLEY & URBAN 2010: 449 (cat. Afr. Reg. (Eritrea, not Ethiopia)).

\**Anthophora armata tetra* n.var.: FRIESE 1923: 10 (descr. ♂, Eritrea without locality).

*Anthophora armata tetra* FRIESE, 1922: BROOKS 1988: 560 (syn.).

*Anthophora armata tetra* FRIESE, 1922: RASMUSSEN & ASCHER 2008: 103 (cat. taxa described by Friese).

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

*Anthophora armata* is widely distributed in the Afrotropical (missing in West Africa) and Palaearctic (Egypt) regions. It is unknown from the neighbour countries.

#### ***Anthophora basalis* SMITH, 1854**

*Podalirius basalis* (SMITH, 1854): MAGRETTI 1906: 10 (Sabarguma), 19 (Ailet).

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

*Anthophora basalis* is only known from southern Africa (Botswana, Namibia, South Africa) and the record from Eritrea is not mentioned in FRIESE (1909b, 1915) and EARDLEY & URBAN (2010: 450). The identification should be checked.

#### ***Anthophora bimaculata* (PANZER, 1798)**

*Anthophora bimaculata* (PANZER, 1798): FRIESE 1915: 273 (Eritrea without locality).

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

*Anthophora bimaculata*, which is not mentioned in EARDLEY & URBAN (2010), is widespread in the Palaearctic Region. The identification should be checked.

#### ***Anthophora bimaculifera* WALKER, 1871**

*Anthophora bimaculifera* n.sp.: WALKER 1871: 56 (descr. ♂, Harkeko).

*Podalirius bimaculifer* (!) (WALKER, 1871): DE DALLA TORRE 1896: 260 (world cat. (Eritrea, not Egypt)).

*Podalirius bimaculifer* (!) (WALKER, 1871): FRIESE 1897: 23 (cat. Pal. Reg.), 289 (tax., orig. descr.).

*Anthophora bimaculifer* (!) WALKER, 1871: INNES BEY 1911: 107 (Harkeko, cat. Lord Collection).

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

*Anthophora bimaculifera*, which is not mentioned in FRIESE (1909b, 1915), BROOKS (1988) and EARDLEY & URBAN (2010), is recorded from the Afrotropical (Eritrea, Sudan) and Palaearctic (Yemen) region. The status is uncertain.

#### ***Anthophora eritrea* BROOKS, 1988**

*Anthophora (Heliophila) eritrea* n.nom.: BROOKS 1988: 492 (tax.), 564 (replacement name for *A. flaviventris* FRIESE, 1915, world cat.).

*Anthophora eritrea* BROOKS, 1988: EARDLEY & URBAN 2010: 451 (cat. Afr. Reg. (Eritrea, not Ethiopia)).

\**Anthophora flaviventris* n.sp.: FRIESE 1915: 273 (Asmara), 289 (as *A. flaviventris*, descr. ♀, Asmara).

*Anthophora flaviventris* FRIESE, 1915: HEDICKE 1929: 71 (syn. of *A. kristenseni* FRIESE, 1915, Asmara).

*Anthophora flaviventris* FRIESE, 1915: RASMUSSEN & ASCHER 2008: 50 (cat. taxa described by Friese).

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

*Anthophora eritrea* is only known from Eritrea. *Anthophora flaviventris* FRIESE, 1915 is a

junior homonym of *Podalirius orientalis flaviventris* FRIESE, 1896 in the genus *Anthophora* LATREILLE, 1803.

***Anthophora hastula* VACHAL, 1910**

*Anthophora* (!) *hastula* n.sp.: VACHAL 1910: 533 (descr. ♀ ♂, Asmara).

*Anthophora hastula* VACHAL, 1910: BROOKS 1988: 450 (types not seen), 565 (app. 3: world cat.).

*Anthophora hastula* VACHAL, 1910: EARDLEY & URBAN 2010: 452 (cat. Afr. Reg. (Eritrea under Ethiopia)).

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

*Anthophora hastula*, which is not mentioned in FRIESE (1915), is known from Eritrea and Ethiopia.

***Anthophora inclyta* WALKER, 1871**

*Anthophora inclyta* n.sp.: WALKER 1871: 58 (descr. ♂, Rafla).

*Podalirius inclytus* (WALKER, 1871): DE DALLA TORRE 1896: 273 (tax., world cat. (Eritrea under Egypt)).

*Podalirius inclytus* (WALKER, 1871): FRIESE 1897: 298 (tax., orig. descr.).

*Anthophora* (*Paramegilla*) *inclyta* WALKER, 1871: BROOKS 1988: 476 (tax.), 566 (app. 3: tax., world cat.).

**D i s t r i b u t i o n :** Rafla.

*Anthophora inclyta* is known from the Afrotropical (Eritrea, Socotra) and Palearctic regions. The record from Eritrea is not mentioned in FRIESE (1909b, 1915), INNES BEY (1911: 107) and EARDLEY & URBAN (2010: 452).

***Anthophora leucomelaena* DE DALLA TORRE, 1896**

\**Anthophora melaleuca* WALKER, 1871: INNES BEY 1911: 107 (Massawa, cat. Lord Collection).

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

*Anthophora leucomelaena*, which is not mentioned in FRIESE (1915) and EARDLEY & URBAN (2010), is known from the Palearctic Region (e.g. Yemen). The record from Eritrea by INNES BEY (1911) is doubtful, because WALKER (1871) described the species from Egypt (Cairo).

***Anthophora nigrifacies* FRIESE, 1905**

*Anthophora nigrifacies* n.sp.: FRIESE 1905: 240 (descr. ♀, without locality).

*Anthophora nigrifacies* FRIESE, 1905: FRIESE 1909a: 139 (tax., cat. Afr. Reg.), 143 (key ♂).

*Anthophora nigrifacies* FRIESE, 1905: FRIESE 1909b: 262 (cat. Africa), 265 (key ♀), 279 (tax., descr. ♀, Eritrea without locality), 466 (cat. Africa).

*Anthophora nigrifacies* (!) FRIESE, 1905: FRIESE 1915: 273 (Eritrea without locality).

*Anthophora* (*Pyganthophora*) *nigrifacies* FRIESE, 1905: BROOKS 1988: 460 (tax.), 462 (tax.), 464 (tax.), 568 (app. 3: world cat.).

*Anthophora nigrifacies* FRIESE, 1905: EARDLEY & URBAN 2010: 454 (cat. Afr. Reg. (Eritrea, not Ethiopia)).

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

*Anthophora nigrifacies* is only known from Eritrea. BROOKS (1988: 462, 464) placed this species in two different species groups.

***Anthophora senescens* LEPELETIER DE SAINT-FARGEAU, 1841**

*Anthophora senescens* LEPELETIER DE SAINT-FARGEAU, 1841: FRIESE 1915: 273 (Asmara).

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

*Anthophora senescens*, which is known from the southern Palaearctic Region, is not mentioned in EARDLEY & URBAN (2010).

***Apis mellifera* LINNAEUS, 1758**

The honey bee is divided in many races or subspecies, of which two or three are used in Eritrean apiculture. As the taxonomy is not fixed, I did not search for literature.

***Hypotrigona gribodoi* (MAGRETTI, 1884)**

*Trigona Gribodoi* n.sp.: MAGRETTI 1884b: 630 (descr. ♂, without locality).

*Trigona Gribodoi* n.sp.: MAGRETTI 1885: 330 (Keren), 353 (cat. expedition).

*Trigona gribodoi* MAGRETTI, 1884: KOHL 1894: 281 (tax., descr. ♀, Africa without locality).

*Trigona gribodoi* MAGRETTI, 1884: MAGRETTI 1895: 153 (footnote 1: cat. Afr. Reg.)

*Melipona gribodoi* (MAGRETTI, 1884): DE DALLA TORRE 1896: 579 (tax., world cat. (Eritrea, not East Africa)).

*Trigona gribodoi* MAGRETTI, 1884: FRIESE 1909b: 444 (cat. Africa, key ♂), 455 (key ♀), 456 (tax., descr. ♂, Eritrea without locality (MAGRETTI 1884b cited, but Eritrea not mentioned under distribution), 468 (cat. Africa).

*Trigona (Hypotrigona) gribodoi* (MAGRETTI, 1884): COCKERELL 1934: 47 (tax., typ. subgen.), 54 (tax.), 62 (fig. 2).

*Trigona (Hypotrigona) gribodoi* (MAGRETTI, 1884): SANDHOUSE 1943: 560 (type cat. genera and subgenera of bees).

*Trigona (Hypotrigona) gribodoi* (MAGRETTI, 1884): GUIGLIA 1956: 309 (tax., Keren, footnotes 1: (orig. descr.), 2 (distr.), 3 (tax.)).

*Hypotrigona gribodoi* (MAGRETTI, 1884): MOURE 1961: 220 (typ. gen.), 221 (tab. 11: tax., Eritrea without locality (type examined)), 222 (tax., cat. Afr. Reg.).

*Hypotrigona gribodoi* (MAGRETTI, 1884): MICHENER 1997: 30 (type cat. genus-group names).

*Hypotrigona gribodoi* (MAGRETTI, 1884): EARDLEY 2004: 83 (tax., descr. ♀ ♂, biol., Keren), 84 (figs 33-36), 85 (fig. 41: map (missing Keren)), 87 (tab. 3: tax.).

*Hypotrigona gribodoi* (MAGRETTI, 1884): EARDLEY & URBAN 2010: 479 (cat. Afr. Reg.).

*Hypotrigona gribodoi* (MAGRETTI, 1884): PAULY & HORA 2013: 12 (key, type design., figs 7a, b, biol., Keren), 13 (figs 8a-d), 17 (fig.13: map Ethiopia).

\**Trigona* n.sp.?: MAGRETTI 1884a: 252 (cat. expedition).

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

*Hypotrigona gribodoi*, which is not mentioned in FRIESE (1915), is widely distributed in the Afrotropical Region and is also recorded from Ethiopia and Sudan.

***Liotrigona bottegoi* (MAGRETTI, 1895)**

*Trigona bottegoi* MAGRETTI, 1895: COCKERELL 1935: 1 (biol., Nefasit (Martini's Concession)).

*Liotrigona bottegoi* (MAGRETTI, 1895): EARDLEY 2004: 84 (figs 38-40), 88 (fig. 43: map (missing)), 89 (tax., descr. ♀ ♂, tab. 4 (tax.), Eritrea without locality).

*Liotrigona bottegoi* (MAGRETTI, 1895): EARDLEY & URBAN 2010: 481 (cat. Afr. Reg. (Eritrea under Ethiopia)).

**D i s t r i b u t i o n :** Nefasit (Martini's Concession)).

*Trigona bottegoi* is widely distributed in the Afrotropical Region and is also recorded from Ethiopia. The record from Eritrea is missing in PAULY & HORA (2013: 18 (under general distribution), 20 (fig. 19a: map)).



**Meliponula beccarii (GRIBODO, 1879)**

- Trigona Beccarii* n.sp.: GRIBODO 1879: 340 (descr. ♂, Keren).  
*Trigona beccarii* GRIBODO, 1879: MAGRETTI 1884b: 630 (tax., biol., Sogodas).  
*Trigona beccarii* GRIBODO, 1879: MAGRETTI 1885: 299 (Sogodas), 353 (cat. expedition).  
*Trigona beccarii* GRIBODO, 1879: MAGRETTI 1895: 153 (footnote 1: cat. Afr. Reg.).  
*Melipona beccarii* (GRIBODO, 1879): DE DALLA TORRE 1896: 579 (tax., world cat. (Eritrea, not Ethiopia)).  
*Trigona beccarii* GRIBODO, 1879: FRIESE 1909b: 444 (tax., cat. Africa), 445 (key ♂, tax., descr. ♂, Keren), 468 (cat. Africa).  
*Trigona beccarii* GRIBODO, 1879: FRIESE 1915: 267 (biogeogr.), 276 (Eritrea without locality, Keren).  
*Trigona beccarii* GRIBODO, 1879: COCKERELL 1933b: 462-3 (tax., Keren).  
*Trigona (Meliponula) beccarii* GRIBODO, 1879: COCKERELL 1934: 58 (tax., descr. ♂, Keren).  
*Trigona beccarii* GRIBODO, 1879: COCKERELL 1935: 1 (biol., Nefasit (Martini's Concession)).  
*Meliplebeia beccarii* (GRIBODO, 1879): MOURE 1961: 229 (typ. gen.), 231 (tax., descr. ♂, Keren).  
*Meliponula (Meliplebeia) beccarii* (GRIBODO, 1879): EARDLEY 2004: 70 (key), 75 (tax., descr. ♀ ♂, Keren, without locality), 76 (figs 20-23), 77 (fig. 25: map).  
*Meliponula beccarii* (GRIBODO, 1879): EARDLEY & URBAN 2010: 473 (cat. Afr. Reg.).  
*Meliponula beccarii* (GRIBODO, 1879): PAULY & HORA 2013: 6 (tax., lectotype design., biol., Keren), 7 (figs 1a-f), 8 (figs 2a-f), 9 (figs 3a: map Africa, 3b: map Ethiopia), 10 (figs 4a-c: biol.), 11 (figs 5, 6: both biol.).  
*Meliponula (Meliplebeia) beccarii* (GRIBODO, 1879): PENATI & MARIOTTI 2015: 26 (tax., Keren, cat. Hymenoptera described by Gribodo).  
*Meliplebeia beccarii* (GRIBODO, 1879): MADL 2018: 534 (tax., paralectotype design., Bogos (= Keren)), 535 (figs 2, 3).

**D i s t r i b u t i o n :** Keren, Nefasit (Martini's Concession), Sogodas.

*Meliponula beccarii* is widely distributed in the Afrotropical Region and is also recorded from Ethiopia and Sudan.

**Tetralonia amoena (WALKER, 1871)**

- Tetralonia amoena* n.sp: WALKER 1871: 54 (descr. ♂, Rafla).  
*Eucera amoena* (WALKER, 1871): DE DALLA TORRE 1896: 224 (tax., world cat. (Eritrea, not Egypt)).  
*Eucera (Macrocera) amoena* WALKER, 1871: FRIESE 1896: 22 (cat. Pal. Reg.), 177 (tax., orig. descr.).  
*Tetralonia amoena* WALKER, 1871: INNES BEY 1911: 106 (Rafla, cat. Lord Collection).

**D i s t r i b u t i o n :** Rafla.

*Tetralonia amoena*, which is only known from Eritrea, is not mentioned in FRIESE (1909b, 1915), EARDLEY (1989) and EARDLEY & URBAN (2010).

**Tetralonia blanda (WALKER, 1871)**

- Tetralonia blanda* n.sp: WALKER 1871: 53 (descr. ♂, Harkeko).  
*Eucera blanda* (WALKER, 1871): DE DALLA TORRE 1896: 227 (tax., world cat. (Eritrea, not Egypt)).  
*Eucera (Macrocera) blanda* WALKER, 1871: FRIESE 1896: 22 (cat. Pal. Reg.), 178 (tax., orig. descr.).  
*Tetralonia blanda* WALKER, 1871: INNES BEY 1911: 106 (Harkeko, cat. Lord Collection).  
*Tetralonia blanda* WALKER, 1871: COCKERELL 1933a: 372 (tax.).

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

*Tetralonia blanda*, which is also recorded from Sudan (COCKERELL 1931: 403 as *Tetralonia gossypii* n.sp.), is not mentioned in FRIESE (1909b, 1915), EARDLEY (1989) and EARDLEY & URBAN (2010).

***Tetralonia vetusta* WALKER, 1871**

*Tetralonia vetusta* n.sp.: WALKER 1871: 53 (desc. ♀, Harkeko).

*Eucera vetusta* (WALKER, 1871): DE DALLA TORRE 1896: 250 (tax., world cat. (Eritrea, not Egypt)).

*Eucera (Megacera) vetusta* WALKER, 1871: FRIESE 1896: 22 (cat. Pal. Reg.), 184 (tax., orig. descr. Walker).

*Tetralonia vetusta* WALKER, 1871: INNES BEY 1911: 106 (Harkeko, cat. Lord Collection).

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

*Tetralonia vetusta*, which is not mentioned in EARDLEY (1989) and EARDLEY & URBAN (2010), is only known from Eritrea.

***Tetraloniella friesei* (MEADE-WALDO, 1914)**

*Tetralonia friesei* n.nom.: MEADE-WALDO 1914b: 400 not seen

*Tetraloniella friesei* (MEADE-WALDO, 1914): EARDLEY 1989: 21 (tax.), 23 (key), 53 (fig. 97), 54 (fig. 108: map), 56 (tax., Gheleb).

*Tetraloniella friesei* (MEADE-WALDO, 1914): EARDLEY & URBAN 2010: 429 (cat. Afr. Reg. (Eritrea, not Ethiopia)).

\**Tetralonia fulvicornis* n.sp.: FRIESE 1909b: 256 (cat. Africa), 259 (descr. ♀, Gheleb), 466 (cat. Africa).

*Tetralonia fulvicornis* FRIESE, 1909: FRIESE 1915: 272 (Gheleb).

*Tetralonia fulvicornis* FRIESE, 1909: RASMUSSEN & ASCHER 2008: 52 (cat. taxa described by Friese).

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

*Tetraloniella friesei* is only known from Eritrea. The records from Democratic Republic of Congo are probably misidentifications (EARDLEY 1989: 56). *Tetralonia fulvicornis* FRIESE, 1909 is a junior homonym of *Tetralonia fulvicornis* MORAWITZ, 1895.

***Tetraloniella graja* (EVERSMANN, 1852)**

*Tetralonia graja* (EVERSMANN, 1852): MAGRETTI 1906: 19 (Ailet).

**D i s t r i b u t i o n :** Ailet.

*Tetralonia graja*, which is known from the Palearctic Region, is not mentioned in FRIESE (1909b, 1915), EARDLEY (1989) and EARDLEY & URBAN (2010). The identification should be checked.

***Thyreomelecta bidentata* (KIRBY, 1899)**

\**Crocisa valida* MORAWITZ, 1894: MAGRETTI 1906: 15 (Keren).

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

The record from Eritrea is not mentioned in FRIESE (1909b, 1915), MEYER (1921: 79), LIEFTINCK (1968: 42), RIGHTMYER & ENGEL (2003: 6) and EARDLEY & URBAN (2010). The identification should be checked.

***Thyreus abyssinicus* (RADOSKOWSKI, 1876)**

*Crocisa abyssinica* RADOSKOWSKI, 1876: MAGRETTI 1906: 10 (Sabarguma), 15 (Keren).

*Crocisa abyssinica* RADOSKOWSKI, 1876: MEYER 1921: 72 (tax., world cat.), 102 (tax., cat. Afr. Reg.), 104 (key ♂), 106 (key ♀), 107 (cat. Afr. Reg.), 114 (tax., desc. ♀ ♂, Eritrea without locality).

*Thyreus abyssinicus* (RADOSKOWSKI, 1873 (!)): EARDLEY 1991a: 4 (key), 31 (tax., descr. ♀ ♂, Eritrea (MEYER 1921)), 32 (figs 92-97), 33 (fig. 102: map, Eritrea missing).

*Thyreus abyssinicus* (RADOSKOWSKI, 1873 (!)): EARDLEY & URBAN 2010: 462 (cat. Afr. Reg. (Eritrea under Ethiopia)).

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

*Thyreus abyssinicus* is widespread in the Afrotropical Region and is also recorded from Ethiopia and Sudan. The record from Eritrea is not mentioned in FRIESE (1909b: 310; 1915: 274).

***Thyreus alfkeni* (BRAUNS, 1909)**

*Crocisa alfkeni* BRAUNS, 1909: MEYER 1922: 184 (Eritrea without locality).

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

As *Thyreus alfkeni* is only known from South Africa (EARDLEY 1991: 23; EARDLEY & URBAN 2010: 463), the identification should be checked.

***Thyreus calceatus* (VACHAL, 1904)**

*Crocisa calceata* VACHAL, 1897: MEYER 1921: 72 (tax., world cat.), 103 (tax., cat. Afr. Reg.), 105 (key ♂), 106 (key ♀), 121 (cat. Afr. Reg.), 126 (tax., descr. ♀ ♂, Asmara).

*Crocisa calceata* VACHAL, 1897: MEYER 1922: 184 (tax., Eritrea without locality).

*Thyreus calceatus* (VACHAL, 1903 (!)): EARDLEY 1991: 5 (key as *T. calceata*), 41 (figs 131-136), 42 (tax., descr. ♀ ♂, Eritrea only in map), 44 (fig. 137: map).

*Thyreus calceatus* (VACHAL, 1903 (!)): EARDLEY & URBAN 2010: 464 (cat. Afr. Reg. (Eritrea under Ethiopia)).

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

*Thyreus calceatus*, which is widely distributed in the Afrotropical Region, is also recorded from Ethiopia.

***Thyreus elegans* (MORAWITZ, 1877)**

*Crocisa elegans* MORAWITZ, 1877: MEYER 1922: 182 (tax., Assab).

*Thyreus elegans* (MORAWITZ, 1877): LIEFTINCK 1968: 6 (tab. 1: distr.), 12 (tax.), 26-7 (key), 58 (tax., Eritrea (MEYER 1922)), 60 (fig. 10), pl. 2 (figs 9-11).

**D i s t r i b u t i o n :** Assab.

*Thyreus elegans*, which is known from the Afrotropical (Eritrea, Sudan) and Palaearctic (e.g. Saudi Arabia) regions, is not mentioned in EARDLEY (1991) and EARDLEY & URBAN (2010).

***Thyreus erythraeensis* (MEYER, 1921)**

*Crocisa erythraeensis* n.sp.: MEYER 1921: 72 (tax., world cat.), 102 (tax., cat. Afr. Reg.), 105 (key ♂), 107 (key ♀), 121 (cat. Afr. Reg.), 122 (descr. ♀ ♂, Asmara).

*Crocisa erythraeensis* MEYER, 1921: ALFKEN 1934: 175 (tax., Asmara).

*Thyreus erythraeensis* (MEYER, 1921): LIEFTINCK 1968: 127 (tax., Asmara).

*Thyreus erythraeensis* (MEYER, 1921): EARDLEY 1991a: 46 (tax., not seen).

*Thyreus erythraeensis* (MEYER, 1921): EARDLEY & URBAN 2010: 465 (cat. Afr. Reg. (Eritrea, not Ethiopia)).

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

*Thyreus erythraeensis* is also known from the Democratic Republic of Congo and Sudan.

**? *Thyreus histrio* (FABRICIUS, 1775)**

*Crocisa histrio* (FABRICIUS, 1775): CANNAVIELLO 1900: 297 (tax., Adi Caié, Adi Ugri).

*Crocisa histrio* (FABRICIUS, 1775): FRIESE 1909b: 301 (tax., cat. Africa), 302 (key ♂ as *C. nubica*), 305 (tax., descr. ♀ ♂, Eritrea without locality), 466 (cat. Africa).

*Crocisa histrio* (FABRICIUS, 1775): FRIESE 1915: 273 (Ghinda, Keren).

*Thyreus histrio* (FABRICIUS, 1775): EARDLEY & URBAN 2010: 465 (tax., cat. Afr. Reg. partim).

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

*Thyreus histrio* is known from the Oriental and Palaearctic regions. The specimens mentioned in FRIESE (1909b, 1915) probably belong to *T. nubicus* (LEPELETIER DE SAINT-FARGEAU, 1841), because FRIESE (1909a) synonymized this species with *T. histrio*, but used the name *nubica* in the key.

***Thyreus hyalinatus* (VACHAL, 1904)**

*Crocisa hyalinata* VACHAL, 1903 (!): FRIESE 1909b: 301 (tax., cat. Africa), 303 (key ♀), 309 (tax., descr. ♀, Eritrea without locality), 466 (cat. Africa).

*Crocisa hyalinata* VACHAL, 1903 (!): FRIESE 1915: 274 (Asmara).

*Crocisa hyalinata* VACHAL, 1903 (!): MEYER 1921: 72 (tax., world cat.), 76 (tax., cat. Pal. Reg.), 78 (key ♀), 101 (cat. Pal. Reg., tax., descr. ♀ ♂, Eritrea without locality).

*Crocisa hyalinata* VACHAL, 1903 (!): MEYER 1922: 183 (tax., Assab).

*Thyreus hyalinatus* (VACHAL, 1903 (!)): LIEFTINCK 1968: 6 (tab. 1: distr.), 29-30 (key), 122 (tax., Assab), 123 (fig. 35), 138 (cat. Pal. Reg.).

*Thyreus hyalinatus* (VACHAL, 1903 (!)): EARDLEY 1991: 5 (key), 15 (figs 47-51), 19 (tax., descr. ♂, included only material examined by himself – Eritrea not mentioned), 22 (fig. 65: map).

*Thyreus hyalinatus* (VACHAL, 1903 (!)): EARDLEY & URBAN 2010: 465 (cat. Afr. Reg.).

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

*Thyreus hyalinatus* is known from the Afrotropical (Djibouti, Eritrea, Sudan) and Palaearctic (e.g. Saudi Arabia, United Arab Emirates) regions.

***Thyreus meripes* (VACHAL, 1904)**

*Crocisa meripes* VACHAL, 1903 (!): FRIESE 1909b: 301 (tax., cat. Africa), 302 (key ♂), 303 (key ♀), 311 (tax., descr. ♀ ♂, Eritrea without locality), 466 (cat. Africa).

*Crocisa meripes* VACHAL, 1903 (!): FRIESE 1915: 273 (tax., Gheleb).

*Crocisa meripes* VACHAL, 1903 (!): MEYER 1921: 72 (tax., world cat.), 103 (tax., cat. Afr. Reg.), 105 (key ♀), 106 (key ♂), 121 (cat. Afr. Reg.), 127 (tax., Eritrea without locality).

*Crocisa meripes* VACHAL, 1903 (!): EARDLEY 1991: 4 (key), 5 (key), 44 (fig. 137 (map)).

*Thyreus meripes* (VACHAL, 1903): EARDLEY & URBAN 2010: 466 (cat. Afr. Reg. under Ethiopia).

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

*Thyreus meripes* is widespread in the Afrotropical Region, but is not recorded from the neighbour countries.

***Thyreus nigroventralis* (MEYER, 1921)**

*Crocisa nigroventralis* n.sp.: MEYER 1921: 72 (tax., world cat.), 103 (tax., cat. Afr. Reg.), 104 (key ♂), 130 (tax.), 131 (descr. ♂, Keren).

*Thyreus nigroventris* (!) (MEYER, 1921): EARDLEY 1991a: 46 (tax., not seen).

*Thyreus nigroventralis* (MEYER, 1921): EARDLEY & URBAN 2010: 466 (world cat. (Eritrea, not Ethiopia)).

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

*Thyreus nigroventralis* is only known from Eritrea.

***Thyreus nubicus* (LEPELETIER DE SAINT-FARGEAU, 1841)**

*Crocisa nubica* LEPELETIER DE SAINT-FARGEAU, 1841: MEYER 1922: 183 (tax., Asmara).

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

*Thyreus nubicus* is also known from Cameroon, Nigeria, Sudan and Uganda. The record from Eritrea is not mentioned in EARDLEY & URBAN (2010: 465). See also *T. histrio* (FABRICIUS, 1775).

***Thyreus orbatus* (LEPELETIER DE SAINT-FARGEAU, 1841)**

*Crocisa orbata* LEPELETIER DE SAINT-FARGEAU, 1841: CANNAVIELLO 1900: 297 (tax., Adi Caié, Godofelassi).

**D i s t r i b u t i o n :** Adi Caié, Godofelassi.

*Thyreus orbatus*, which is not mentioned in FRIESE (1909b, 1915), EARDLEY (1991) and EARDLEY & URBAN (2010), is widespread in the Palaearctic Region. The identification should be checked.

***Thyreus scutellaris* (FABRICIUS, 1781)**

*Crocisa scutellaris* FABRICIUS, 1781: WALKER 1871: 52 (tax., Harkeko).

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

*Thyreus scutellaris* is known from the Palaearctic Region. The record from Eritrea is not mentioned in FRIESE (1909b, 1915), INNES BEY (1911: 106), MEYER (1921: 91), EARDLEY (1991: 35) and EARDLEY & URBAN (2010). The identification should be checked.

***Thyreus splendidulus* (LEPELETIER DE SAINT-FARGEAU, 1841)**

*Crocisa splendidula* LEPELETIER DE SAINT-FARGEAU, 1841: MAGRETTI 1906: 11 (Ghinda), 12 (Saganeiti).

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

*Thyreus splendidulus* is also Cameroon, Democratic Republic of Congo, Equatorial Guinea, Ghana, Mali, Nigeria and Uganda. The record from Eritrea is not mentioned in FRIESE (1909b: 307; 1915), EARDLEY (1991: 35) and EARDLEY & URBAN (2010: 469).

***Thyreus* sp.**

*Crocisa sejuncta* DE SAUSSURE, 1891 (var.): MAGRETTI 1906: 15 (Keren).

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

The identification should be checked.

## Subfamily N o m a d i n a e

### *Ammobates obscuratus* MORAWITZ, 1894

*Ammobates obscuratus* MORAWITZ, 1894: MAGRETTI 1906: 10 (Sabarguma).

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

*Ammobates obscuratus*, which is known from the Palaearctic Region, is not mentioned in FRIESE (1909b, 1915), EARDLEY & BROTHERS (1997) and EARDLEY & URBAN (2010). The identification should be checked.

### *Epeolus kristenseni* FRIESE, 1915

*Epeolus kristenseni* FRIESE, 1915: BISCHOFF 1923: 600 (key, tax., Eritrea without locality).

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

*Epeolus kristenseni* is also known from Ethiopia. The record from Eritrea is not mentioned in EARDLEY (1991b: 717) and EARDLEY & URBAN (2010: 414).

### *Pasites appletoni* (COCKERELL, 1910)

*Pasites appletoni* (COCKERELL, 1910): EARDLEY & BROTHERS 1997: 358 (tab. 1: tax.), 363 (tax., tree), 372 (key), 392 (tax., descr. ♀ ♂, Eritrea without locality), 393 (fig. 52), 394 (figs 53-56).

*Pasites appletoni* (COCKERELL, 1910): EARDLEY & URBAN 2010: 416 (cat. Afr. Reg. (Eritrea, not Ethiopia).

\**Omachthes* (!) *abessinicus* n.sp.: FRIESE 1915: 276 (Eritrea without locality), 297 (descr. ♂, Eritrea without locality).

*Morgania abessinica* (FRIESE, 1915): Cockerell 1919: 190 (tax., cat. Africa).

*Morgania* (*Omachthes*) *abessinicus* (!) (FRIESE, 1915): BISCHOFF 1923: 589 (key, tax., Eritrea without locality).

*Omachthes abessinicus* FRIESE, 1915: EARDLEY & BROTHERS 1997: 297 (syn.).

*Omachthes abessinicus* FRIESE, 1915: RASMUSSEN & ASCHER 2008: 19 (cat. taxa described by Friese).

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

*Pasites carnifex* is widely distributed in the Afrotropical Region, but is not recorded from the neighbour countries.

### *Pasites carnifex* (GERSTAECKER, 1869)

*Omachthes carnifex* GERSTAECKER, 1869: FRIESE 1909b: 437 (cat. Africa, tax., descr. ♂, Eritrea without locality), 468 (cat. Africa).

*Pasites carnifex* (GERSTAECKER, 1869): EARDLEY & BROTHERS 1997: 358 (tab. 1: tax.), 363 (tax., tree), 371 (key), 383 (tax., descr. ♀ ♂, fig. 33, Eritrea (FRIESE 1909)), 384 (figs 34-37).

*Pasites carnifex* (GERSTAECKER, 1869): EARDLEY & URBAN 2010: 418 (cat. Afr. Reg. (Eritrea, not Ethiopia).

\**Omachthes* (!) *nigripes* n.sp.: FRIESE 1915: 276 (Eritrea without locality), 296 (descr. ♀ ♂, Eritrea without locality).

*Morgania nigripes* (FRIESE, 1915): COCKERELL 1919: 190 (tax., cat. Africa).

*Morgania* (*Omachthes*) *nigripes* (FRIESE, 1915): BISCHOFF 1923: 591 (key, tax., Eritrea without locality).

*Omachthes nigripes* FRIESE, 1915: EARDLEY & BROTHERS 1997: 383 (syn.).

*Omachthes nigripes* FRIESE, 1915: RASMUSSEN & ASCHER 2008: 77 (cat. taxa described by Friese).

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

*Pasites carnifex* is widely distributed in the Afrotropical Region, but is not recorded from the neighbour countries.

### Subfamily Xylcopinae

#### ***Braunsapis albitarsis* (FRIESE, 1924)**

*Allodape albitarsis* n.sp.: FRIESE 1924: 70 (cat. Africa), 72 (key), 73 (key), 81 (descr. ♀, Eritrea without locality).

*Braunsapis albitarsis* (FRIESE, 1924): MICHENER 1975: 86 (key ♂), 87 (key ♀), 96 (figs 96-98), 109 (tax., descr. ♀ ♂, Eritrea without locality), 111 (figs 109, 110).

*Braunsapis albitarsis* (FRIESE, 1924): MCGINLEY 1989: 15 (cat. immature Apoidea).

*Allodape albitarsis* FRIESE, 1924: RASMUSSEN & ASCHER 2008: 22 (cat. taxa described by Friese).

*Braunsapis albitarsis* (FRIESE, 1924): EARDLEY & URBAN 2010: 396 (cat. Afr. Reg. (Eritrea, not Ethiopia)).

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

*Braunsapis albitarsis* is also known from Kenya.

#### ***Braunsapis bouyssoui* (VACHAL, 1904)**

*Braunsapis bouyssoui* (VACHAL, 1903 (!)): MICHENER 1975: 75 (biogeogr.), 85 (key ♂), 87 (key ♀), 96 (figs 56-61), 99 (tax., descr. ♀ ♂, Nefasit (Martini's Concession)), 100 (figs 67-75).

*Braunsapis bouyssoui* (VACHAL, 1903 (!)): EARDLEY & URBAN 2010: 397 (cat. Afr. Reg. (Eritrea, not Ethiopia)).

\**Allodape citrifloris* n.sp.: COCKERELL 1935: 3 (descr. ♂, biol., Nefasit (Martini's Concession)).

*Allodapula citrifloris* (COCKERELL, 1935): COCKERELL 1936: 11 (tax.).

*Allodape citrifloris* COCKERELL, 1935: MICHENER 1975: 101 (syn.).

\**Allodape comperei* n.sp.: COCKERELL 1935: 3 (descr. ♂, biol., Nefasit (Martini's Concession)).

*Allodape comperei* COCKERELL, 1935: MICHENER 1975: 101 (syn.).

**D i s t r i b u t i o n :** Nefasit (Martini's Concession).

*Braunsapis bouyssoui*, which is widespread in the Afrotropical Region, is unknown from the neighbour countries.

#### ***Braunsapis facialis* (GERSTAECKER, 1858)**

*Braunsapis facialis* (GERSTAECKER, 1858): MICHENER 1975: 72 (fig. 1), 75 (biogeogr.), 83 (fig. 3), 85 (key ♂), 86 (keys ♀ ♂), 87 (tax., descr. ♀ ♂, Eritrea – not Ethiopia), 89 (figs 8-21), 91 (figs 22-37), 93 (tab. 3: tax.), 122 (fig. 8).

*Braunsapis facialis* (GERSTAECKER, 1858): EARDLEY & URBAN 2010: 398 (cat. Afr. Reg. (Eritrea under Ethiopia)).

\**Allodape taita* STRAND, 1914: COCKERELL 1935: 2 (tax., descr. ♂, biol., Nefasit (Martini's Concession)).

**D i s t r i b u t i o n :** Nefasit (Martini's Concession).

*Braunsapis facialis*, which is widely distributed in the Afrotropical Region, is unknown from the neighbour countries.

#### ***Braunsapis foveata* (SMITH, 1854)**

*Braunsapis foveata* (SMITH, 1854): MICHENER 1975: 75 (biogeogr.), 86 (key ♂), 87 (key ♀), 122 (figs 181-187), 128 (tax., descr. ♀ ♂, Eritrea without locality), 131 (figs 225 – 234).

*Braunsapis foveata* (SMITH, 1854): EARDLEY & URBAN 2010: 399 (cat. Afr. Reg. under Ethiopia).

\**Allodape albicincta* n.sp.: FRIESE 1924: 70 (cat. Africa), 74 (key), 76 (descr. ♂, Eritrea without locality).

*Allodape albicincta* FRIESE, 1924: MICHENER 1975: 128 (syn. (type seen)).

*Allodape albicincta* FRIESE, 1924: RASMUSSEN & ASCHER 2008: 21 (cat. taxa described by Friese).

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

*Braunsapis foveata*, which is widespread in the Afrotropical Region, is unknown from the neighbour countries.

### ***Ceratina citriphila* COCKERELL, 1935**

*Ceratina citriphila* n.sp.: COCKERELL 1935: 1 (descr. ♂, biol., Nefasit (Martini's Concession)).

*Pithitis citriphila* (COCKERELL, 1935): DALY 1983a: 36 (key), 45 (fig. 34), 50 (fig. 50), 59 (tax., descr. ♀ ♂, Nefasit (Martini's Concession)).

*Pithitis citriphila* (COCKERELL, 1935): DALY 1983b: 500 (key), 501 (tax., Nefasit (Martini's Concession)).

*Ceratina citriphila* COCKERELL, 1935: DALY & ELSE 1988: 89 (tax., lectotype design., Nefasit (Martini's Concession)).

*Ceratina citriphila* COCKERELL, 1935: EARDLEY & URBAN 2010: 372 (cat. Afr. Reg. under Ethiopia).

\**Ceratina tarsata* MORAWITZ, 1872: HIRASHIMA 1969: 655 (fig. 7).

**D i s t r i b u t i o n :** Nefasit (Martini's Concession).

*Ceratina citriphila*, which is known from the Afrotropical (Eritrea, Ethiopia, Somalia, Sudan) and Palaearctic (e.g. Yemen) regions, is not mentioned in COCKERELL (1937) and HIRASHIMA (1969).

### ***Ceratina tarsata* MORAWITZ, 1872**

*Pithitis tarsata* (MORAWITZ, 1872): HIRASHIMA 1969: 654 (tax.), 656 (tax., Eritrea without locality), 666 (fig. 16), 667 (fig. 20).

*Pithitis tarsata* (MORAWITZ, 1872): DALY 1983b: 500 (key), 503 (tax., Eritrea without locality).

*Ceratina tarsata* MORAWITZ, 1872: EARDLEY & URBAN 2010: 383 (cat. Afr. Reg. (Eritrea, not Ethiopia)).

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

*Ceratina tarsata* is known from the Afrotropical (Chad, Djibouti, Eritrea, Mali, Senegal, Sudan) and Palaearctic (e.g. Yemen) regions. HIRASHIMA's figure (1969: 655) is cited by DALY (1983a: 59) under *Ceratina citriphila* without comment.

### ***Compsomelissa boernerii* ALFKEN, 1924**

*Compsomelissa borneri* (!) ALFKEN, 1924: MICHENER 1975a: 223 (fig. 554), 225 (key), 226 (tax., descr. ♂, Agordat).

*Compsomelissa borneri* (!) ALFKEN, 1924: EARDLEY & URBAN 2010: 405 (cat. Afr. Reg. (Eritrea, not Ethiopia)).

\**Exoneurula zavattarii* n.sp.: MICHENER 1966: 572, 573, 574

*Exoneurula zavattarii* MICHENER, 1966: MICHENER 1969b: 290, 293

*Exoneurula zavattarii* MICHENER, 1966: MICHENER 1975: 226 (syn.).

**D i s t r i b u t i o n :** Agordat.

*Compsomelissa boernerii* is recorded from the Afrotropical (Burkina Faso (LASSEN et al. 2016), Cameroon, Eritrea, Kenya, Nigeria, Senegal, Sudan) and Palaearctic (Yemen) regions.



***Macrogalea candida* (SMITH, 1879)**

*Allodape candida* SMITH, 1879: MAGRETTI 1884b: 627 (tax., biol., Keren).

*Allodape candida* SMITH, 1879: MAGRETTI 1885: 330 (Keren), 352 (cat. expedition).

*Allodape candida* SMITH, 1879: FRIESE 1915: 270 (tax., Keren).

*Macrogalea candida* (SMITH, 1879): COCKERELL 1930: 292 (typ. gen., descr. ♂, figs, Saganeiti (Coll. Gribodo)), 293 (biol.).

*Macrogalea candida* (SMITH, 1879): EARDLEY & URBAN 2010: 410 (cat. Afr. Reg. (Eritrea under Ethiopia)).

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

*Macrogalea candida*, which is widely distributed in the Afrotropical Region, is also known from Ethiopia and Sudan.

***Xylocopa caffra* (LINNÉ, 1767)**

*Xylocopa caffra* (LINNÉ, 1767): CANNAVIELLO 1900: 297 (tax., Adi Ugri).

*Xylocopa caffra* LATREILLE (!): MAGRETTI 1906: 12 (Saganeiti).

*Xylocopa (Koptorthosoma (!)) caffra* (LINNÉ, 1767): DUSMET Y ALONSO 1924: 18 (tax., Asmara).

*Xylocopa caffra* (LINNÉ, 1767): EARDLEY 1987: 2 (cat. Afr. Reg. (Eritrea under Ethiopia)).

*Xylocopa (Koptortosoma) caffra* (LINNÉ, 1767): VICIDOMINI & WHITMAN-MASCHERINI 2003: 113 (Eritrea without locality).

*Xylocopa caffra* (LINNÉ, 1767): EARDLEY & URBAN 2010: 340 (cat. Afr. Reg. (Eritrea under Ethiopia)).

**D i s t r i b u t i o n :** Adi Ugri, Asmara, Saganeiti.

*Xylocopa caffra*, which is widespread in the Afrotropical Region, is also known from Ethiopia.

***Xylocopa combusta* SMITH, 1854**

*Xylocopa flavorufa* var. *combusta* SMITH, 1854: MAGRETTI 1906: 12 (Debre Bizen).

*Xylocopa* var. *combusta* SMITH, 1854: FRIESE 1915: 271 (biol., Asmara, Gheleb).

*Xylocopa (Koptorthosoma (!)) flavorufa* var. *combusta* SMITH, 1854: DUSMET Y ALONSO 1924: 23 (tax., Asmara).

*Xylocopa combusta* SMITH, 1854: EARDLEY 1987: 4 (cat. Afr. Reg. (Eritrea under Ethiopia)).

*Xylocopa combusta* SMITH, 1854: EARDLEY & URBAN 2010: 345 (cat. Afr. Reg. (Eritrea under Ethiopia)).

**D i s t r i b u t i o n :** Asmara, Gheleb, Saganeiti.

*Xylocopa combusta* is widely distributed in the Afrotropical Region and is also recorded from Ethiopia.

***Xylocopa erythrina* GRIBODO, 1894**

*Xylocopa erythrina* n.sp.: GRIBODO 1894: 295 (Saganeiti), 296 (descr. ♀).

*Xylocopa erythrina* GRIBODO, 1894: DE DALLA TORRE 1896: 210 (world cat.).

*Xylocopa (Xylocopa) erythrina* GRIBODO, 1894: VACHAL 1899: 104 (key ♂, tax., Saganeiti).

*Xylocopa erythrina* GRIBODO, 1894: FRIESE 1909b: 216 (tax., cat. Africa), 219 (key ♀), 227 (tax., descr. ♀, Saganeiti), 465 (cat. Africa).

*Xylocopa erythrina* GRIBODO, 1894: FRIESE 1915: 271 (tax., Saganeiti).

*Xylocopa (Perixylocopa) erythrina* GRIBODO, 1894: HURD & MOURE 1963: 232 (typ. subgen.), 234 (tax., world cat.), 303 (world cat.).

*Xylocopa (Xylomelissa) erythrina* GRIBODO, 1894: MAA 1968: 106 (tax., lectotype design., Saganeiti).

- Xylocopa erythrina* Gribodo, 1894: EARDLEY 1987: 4 (cat. Afr. Reg. (Eritrea under Ethiopia)).
- Xylocopa (Perixylocopa) erythrina* GRIBODO, 1894: VICIDOMINI & WHITMAN-MASCHERINI 2003: 114 (Saganeiti (leg. Fossati)).
- Xylocopa erythrina* (!) GRIBODO, 1894: VICIDOMINI & WHITMAN-MASCHERINI 2003: 316 (Adi Ugri (leg. Andreini), Saganeiti).
- Xylocopa (Perixylocopa) erythrina* GRIBODO, 1894: VICIDOMINI 2006b: 123 (Adi Ugri (leg. Magretti), Asmara (leg. Cilli), Fort Ronch, Saganeiti), 125 (cat. Genova).
- Xylocopa erythrina* GRIBODO, 1894: EARDLEY & URBAN 2010: 346 (cat. Afr. Reg. (Eritrea under Ethiopia)).
- Xylocopa (Xylomelissa) erythrina erythrina* GRIBODO, 1894: PENATI & MARRIOTTI 2015: 49 (tax., Saganeiti, cat. Hymenoptera described by Gribodo).
- Xylocopa (Xylomelissa) erythrina* GRIBODO, 1894: PAULY et al. 2018: 8 (tax., biol., Tessenei), 9 (figs 7a-d), 10 (figs 8a-d).
- \**Xylocopa fraudulenta* n.sp.: GRIBODO 1894: 295 (Saganeiti), 297 (descr. ♂).
- Xylocopa fraudulenta* GRIBODO, 1894: DE DALLA TORRE 1896: 211 (world cat.).
- Xylocopa (Xylocopa) fraudulenta* GRIBODO, 1894: VACHAL 1899: 158 (tax.). not seen
- Xylocopa fraudulenta* GRIBODO, 1894: FRIESE 1909b: 216 (tax., cat. Africa), 217 (key ♂), 220 (key ♀), 228 (tax., descr. ♂, Eritrea under Ethiopia), 465 (cat. Africa).
- Xylocopa fraudulenta* GRIBODO, 1894: FRIESE 1915: 271 (biol., Eritrea without locality under Ethiopia, Somaliland, Ostafrika bis Nyassa-See).
- Xylocopa (Acroxylocopa) fraudulenta* GRIBODO, 1894: HURD & MOURE 1963: 234 (typ. subgen.), 236 (tax., world cat.), 304 (world cat.).
- Xylocopa fraudulenta* GRIBODO, 1894: MAA 1968: 106 (lectotype design., syn.).
- Xylocopa fraudulenta* GRIBODO, 1894: PENATI & MARRIOTTI 2015: 55 (syn., Saganeiti, cat. Hymenoptera described by Gribodo).

**D i s t r i b u t i o n :** Adi Ugri, Saganeiti, Tessenei.

*Xylocopa erythrina* is widely distributed in the Afrotropical Region and is also known from Ethiopia.

#### ***Xylocopa flavorufa* (DEGEER, 1778)**

- Xylocopa flavorufa* (DEGEER, 1778): MAGRETTI 1906: 13 (Adi Ugri).
- Xylocopa flavorufa* (DEGEER, 1778): FRIESE 1909b: 216 (tax., cat. Africa), 218 (key ♂), 220 (key ♀), 233 (tax., descr. ♀ ♂, Eritrea without locality), 465 (cat. Africa).
- Xylocopa flavorufa* (DEGEER, 1778): FRIESE 1915: 271 (Eritrea without locality).
- Xylocopa flavorufa* (DEGEER, 1778): EARDLEY 1987: 5 (cat. Afr. Reg. (Eritrea under Ethiopia)).
- Xylocopa flavorufa* (DEGEER, 1778): EARDLEY & URBAN 2010: 348 (cat. Afr. Reg. (Eritrea under Ethiopia)).

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

*Xylocopa flavorufa* is widespread in the Afrotropical Region and is also recorded from Ethiopia.

#### ***Xylocopa gaullei* VACHAL, 1898**

- Xylocopa ? gaullei* VACHAL, 1898: MAGRETTI 1906: 11 (Ghinda).

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

*Xylocopa gaullei* is also recorded from Burundi, Ethiopia, Tanzania and Uganda. The record from Eritrea is not mentioned in FRIESE (1909b, 1915: 271), EARDLEY (1987: 6) and EARDLEY & URBAN (2010: 350).

***Xylocopa hottentota* SMITH, 1854**

- Xylocopa hottentota* SMITH, 1854: MAGRETTI 1906: 11 (Ghinda), 15 (Keren), 19 (Sabarguma).  
*Xylocopa hottentota* SMITH, 1854: EARDLEY 1987: 6 (cat. Afr. Reg. (Eritrea under Ethiopia)).  
*Xylocopa (Nodula) hottentota* SMITH, 1854: VICIDOMINI 2006b: 122 (Asmara (leg. Cilli), Keren (leg. Derchi, ??), Saati (leg. Magretti), Sabarguma (leg. Magretti), without locality (? Ghinda leg. Magretti)), 125 (cat. Genova).  
*Xylocopa hottentota* SMITH, 1854: EARDLEY & URBAN 2010: 350 (cat. Afr. Reg. (Eritrea under Ethiopia)).  
*Xylocopa (Xylomelissa) hottentota* SMITH, 1854: PAULY et al. 2018: 13 (tax., biol., Tessenei, Eritrea without locality), 14 (figs 12a, b), 15 (figs 12c, d, 13a-c).  
 \**Xylocopa carinata alpina* n.var.: FRIESE 1923: 6 (descr. ♀ ♂, Eritrea without locality, Ethiopia, Kenya).  
*Xylocopa (Xylomelissa) carinata alpina* FRIESE, 1922 (!): HURD & MOURE 1963: 223 (tax., world cat.), 318 (world cat.).  
*Xylocopa hottentota alpina* FRIESE, 1922 (!): RASMUSSEN & ASCHER 2008: 24 (cat. taxa described by Friese).  
*Xylocopa hottentota alpina* FRIESE, 1922 (!): EARDLEY & URBAN 2010: 352 (cat. Afr. Reg.).  
*Xylocopa carinata* var. *alpina* FRIESE, 1922 (!): PAULY et al. 2018: 13 (syn.).  
 \**Xylocopa tarsata* SMITH, 1854: MAGRETTI 1906: 13 (Adi Ugri).  
*Xylocopa tarsata* SMITH, 1854: FRIESE 1909b: 216 (tax., cat. Africa), 217 (key ♂), 220 (key ♀) 221 (tax., descr. ♀ (?) ♂, Eritrea without locality), 465 (cat. Africa).  
*Xylocopa tarsata* SMITH, 1854: FRIESE 1915: 270 (Eritrea without locality).  
*Xylocopa (Nodula) hottentota* var. *tarsata* SMITH, 1854: VICIDOMINI 2006b: 123 (Godofelassi (leg. Magretti), Saganeiti), 125 (cat. Genova).

**D i s t r i b u t i o n :** Adi Ugri, Asmara, Godofelassi, Keren, Saati, Saganeiti, Tessenei.  
*Xylocopa hottentota* is widely distributed in the Afrotropical Region and is also recorded from Ethiopia and Sudan.

***Xylocopa inconstans* SMITH, 1874**

- Xylocopa inconstans* SMITH, 1874: MAGRETTI 1906: 10 (Sabarguma), 13 (Adi Ugri), 15 (Keren).  
*Xylocopa inconstans* SMITH, 1874: FRIESE 1909b: 216 (tax., cat. Africa), 218 (key ♂), 219 (key ♂), 221 (key ♀), 253 (tax., descr. ♀ ♂, Keren), 466 (cat. Africa).  
*Xylocopa (Koptorthosoma (!)) inconstans* SMITH, 1874: DUSMET Y ALONSO 1924: 25 (tax., Eritrea without locality).  
*Xylocopa inconstans* SMITH, 1874: EARDLEY 1987: 8 (cat. Afr. Reg. (Eritrea under Ethiopia)).  
*Xylocopa (Xenoxylocopa) inconstans* SMITH, 1874: PRIORE 1990: 36 (biol., Keren).  
*Xylocopa (Xenoxylocopa) inconstans* SMITH, 1874: VICIDOMINI & Priore 1999: 130 (Keren).  
*Xylocopa (Xenoxylocopa) inconstans* SMITH, 1874: VICIDOMINI 2002: 135 (Asmara).  
*Xylocopa (Xenoxylocopa) inconstans* SMITH, 1874: VICIDOMINI & WHITMAN-MASCHERINI 2003: 114 (Fort Ranch (leg. Fossati), Saganeiti (leg. Fossati)), 116 (Adi Ugri (leg. Andreini), Mai Daro (? Andreini), Keren (leg. Andreini), Saganeiti (leg. Fossati, coll. Gribodo)).  
*Xylocopa (Xenoxylocopa) inconstans* SMITH, 1874: VICIDOMINI 2005: 365 (Asmara, Betek, Saganeiti).  
*Xylocopa inconstans* SMITH, 1874: EARDLEY & URBAN 2010: 353 (cat. Afr. Reg. (Eritrea under Ethiopia)).  
*Xylocopa (Xenoxylocopa) inconstans* SMITH, 1874: PAULY et al. 2018: 16 (tax., biol., Keren), 17 (figs 14a-d).  
 \**Xylocopa inconstans flavocincta* n.var.: FRIESE 1909b: 253 (tax., descr. ♀ ♂, Keren).  
*Xylocopa inconstans* var. *flavocincta* FRIESE, 1909: FRIESE 1915: 272 (Keren).  
*Xylocopa inconstans* var. *flavocincta* FRIESE, 1909: LEVEQUE 1928: 21 (syn. of *X. chiyakensis* (COCKERELL, 1908)).

*Xylocopa inconstans* var. *flavocincta* FRIESE, 1909: HURD & MOURE 1963: 247 ( syn. of *X. chiyakensis* (COCKERELL, 1908), world cat.), 304 (world cat.).

*Xylocopa inconstans* var. *flavocincta* FRIESE, 1909: RASMUSSEN & ASCHER 2008: 50 (cat. taxa described by Friese).

*Xylocopa inconstans flavocincta* FRIESE, 1909: MAWDSLEY 2017: 136 (syn.).

\**Xylocopa chiyakensis* (COCKERELL, 1908): EARDLEY 1987: 3 (cat. Afr. Reg. (Eritrea under Ethiopia)).

*Xylocopa chiyakensis* (COCKERELL, 1908): EARDLEY & URBAN 2010: 344 (cat. Afr. Reg. (Eritrea under Ethiopia)).

**D i s t r i b u t i o n :** Adi Ugri, Asmara, Betek, Keren, Sabarguma, Saganeiti.

*Xylocopa inconstans* is widespread in the Afrotropical Region and is also known from Ethiopia and Sudan.

### ***Xylocopa lugubris* GERSTAECKER, 1857**

*Xylocopa lugubris* GERSTAECKER, 1857: FRIESE 1909b: 216 (tax., cat. Africa), 217 (key ♂), 221 (key ♀), 225 (tax., descr. ♂, Eritrea without locality), 465 (cat. Africa).

*Xylocopa lugubris* GERSTAECKER, 1857: EARDLEY 1987: 9 (cat. Afr. Reg. (Eritrea, not Ethiopia)).

*Xylocopa lugubris* GERSTAECKER, 1857: EARDLEY & URBAN 2010: 356 (cat. Afr. Reg. (Eritrea, not Ethiopia)).

\**Xylocopa angolensis* SMITH, 1874: FRIESE 1915: 271 (tax., Eritrea without locality).

**D i s t r i b u t i o n :** without exact locality.

*Xylocopa lugubris* is widely distributed in the Afrotropical Region, but is not recorded from the neighbour countries. The identification should be checked.

### ***Xylocopa modesta* SMITH, 1854**

*Xylocopa modesta* SMITH, 1854: MAGRETTI 1906: 11 (Ghinda), 13 (Adi Ugri), 19 (Ailet).

**D i s t r i b u t i o n :** Adi Ugri, Ailet, Ghinda.

*Xylocopa modesta* SMITH, 1854 is widely distributed in the Afrotropical Region and is also recorded from Sudan. The record from Eritrea is not mentioned in FRIESE (1909b: 245), EARDLEY (1987: 9) and EARDLEY & URBAN (2010: 357).

### ***Xylocopa pubescens* SPINOLA, 1838**

*Xylocopa pubescens* (!) SPINOLA, 1838: EARDLEY 1987: 11 (cat. Afr. Reg. (Eritrea under Ethiopia)).

*Xylocopa pubescens* SPINOLA, 1838: EARDLEY & URBAN 2010: 361 (cat. Afr. Reg. (Eritrea under Ethiopia)).

\**Xylocopa aestuans* (LINNAEUS, 1758): WALKER 1871: 58 (tax., Harkeko).

*Xylocopa aestuans* (LINNAEUS, 1758): MAGRETTI 1885: 280 (S Khor Langheb), 353 (cat. expedition).

*Xylocopa aestuans* (LINNAEUS, 1758): MAGRETTI 1906: 10 (biol., Massawa).

*Xylocopa aestuans* (LINNAEUS, 1758): FRIESE 1909b: 92 (biogeogr.), 216 (tax., cat. Africa), 218 (key ♂), 221 (key ♀), 242 (tax., descr. ♀ ♂, Asmara, Keren), 465 (cat. Africa).

*Xylocopa aestuans* (LINNAEUS, 1758): FRIESE 1915: 271 (Asmara, Keren).

*Xylocopa (Koptorthosoma (!)) aestuans* (LINNAEUS, 1758): DUSMET Y ALONSO 1924: 17 (tax., Assab).

*Xylocopa aestuans* (LINNAEUS, 1758): GUIGLIA 1931: 163 (tax., Beilul, Gahare).

*Xylocopa aestuans* (LINNAEUS, 1758): GUIGLIA 1932: 132 (tax., Agordat, Beilul, Gahare, Keren).

*Xylocopa aestuans* (LINNAEUS, 1758): GUIGLIA 1939a: 202 (tax., Keren).

*Xylocopa (Mesotrichia) aestuans* (LINNAEUS, 1758): GUIGLIA 1959: 317 (tax., Agordat, Gahare, Keren, footnote 1: orig. descr.).

*Xylocopa (Koptortosoma) aestuans* (LINNAEUS, 1758): VICIDOMINI & WHITMAN-MASCHERINI 2003: 112 (Fort Ranch, Keren, Tessenei).

*Xylocopa (Koptortosoma) aestuans* (LINNAEUS, 1758): VICIDOMINI 2005: 364 (Massawa).

**D i s t r i b u t i o n :** Agordat, Beilul, Fort Ranch, Harkeko, Keren, S Khor Langheb, Massawa, Tessenei.

*Xylocopa pubescens* is also known from Cameroon, Ethiopia, Kenya, Mozambique, Nigeria, Senegal, Somalia, Sudan and Tanzania The record from Harkeko by WALKER (1871) is not mentioned in INNES BEY (1911: 107).

#### ***Xylocopa scioensis* GRIBODO, 1884**

\**Xylocopa scioensis nigropunctata* n.var.: VICIDOMINI 2006a: 2 (descr., Saganeiti), 3 (tab. 1: tax.). unavailable name

*Xylocopa scioensis* var. *nigropunctata* VICIDOMINI, 2006: EARDLEY & URBAN 2010: 362 (cat. Afr. Reg. (Eritrea, not Ethiopia)).

\**Xylocopa scioensis rufocollaris* n.var.: VICIDOMINI 2006a: 2 (descr., Debre Bizen), 3 (tab. 1: tax.). unavailable name

*Xylocopa scioensis* var. *rufocollaris* VICIDOMINI, 2006: EARDLEY & URBAN 2010: 362 (cat. Afr. Reg. (Eritrea, not Ethiopia)).

\**Xylocopa flavorufa* var. *combusta* SMITH, 1854: MAGRETTI 1906: 12 (Debre Bizen, Saganeiti).

**D i s t r i b u t i o n :** Debre Bizen, Saganeiti.

*Xylocopa scioensis* is widespread in the Afrotropical Region and is also recorded from Ethiopia and Sudan. The new taxa described by VICIDOMINI (2006a) are unavailable names according to ICZN (1999: Art. 45.6.3).

#### ***Xylocopa tessellata* MAA, 1970**

*Xylocopa (Ctenoxylocopa) tessellata* n.sp: MAA 1970: 724 (tax.), 728 (tax.), 729-30 (key), 730 (figs 4, 8), 734 (fig. 15), 742 (descr. ♀ ♂, Abula ("Abullo"), Gahare, Ghinda, Keren, Massawa), 745 (fig. 27), 747 (fig. 33), 749 (fig. 43).

*Xylocopa tessellata* MAA, 1970: EARDLEY 1987: 14 (cat. Afr. Reg. (Eritrea, not Ethiopia)).

*Xylocopa (Ctenocylocopa) tessellata* MAA, 1970: VICIDOMINI 2006b: 122 (Abula (Abullo), Gahare, Keren), 125 (cat. Genova).

*Xylocopa tessellata* MAA, 1970: EARDLEY & URBAN 2010: 366 (cat. Afr. Reg. (Eritrea, not Ethiopia)).

\**Xylocopa oblonga* SMITH, 1874: MAGRETTI 1906: 13 (Adi Ugri).

\**Xylocopa violacea* (LINNAEUS, 1758): WALKER 1871: 59 (tax., Harkeko, Massawa).

*Xylocopa violacea* SCOPOLI (!): INNES BEY 1911: 107 (without locality, cat. Lord Collection).

*Xylocopa violacea* (LINNAEUS, 1758): GUIGLIA 1931: 163 (tax., Abula, Gahare).

**D i s t r i b u t i o n :** Abula, Adi Ugri, Gahare, Ghinda, Harkeko, Keren, Massawa.

*Xylocopa tessellata* is also known from Djibouti and Sudan.

#### ***Xylocopa torrida* (WESTWOOD, 1834)**

*Xylocopa (Mesotricha) torrida* (WESTWOOD, 1834): VICIDOMINI & WHITMAN-MASCHERINI 2003: 113 (Adi Ugri (leg. Magretti)).

*Xylocopa (Mesotricha) torrida* (WESTWOOD, 1834): VICIDOMINI 2005: 65 (Asmara (leg. Cilli)).

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

*Xylocopa torrida* is widespread in the Afrotropical Region and is also recorded from Ethiopia. The record from Eritrea is not mentioned in EARDLEY & URBAN (2010: 367).

### *Xylocopa ustulata* SMITH, 1854

*Xylocopa (Ctenoxylocopa) ustulata* SMITH, 1854: MAA 1970: 724 (tax.), 725 (lectotype design.), 727 (biogeogr.), 728 (biol.), 730 (figs 2, 6), 729 (key), 731 (key), 734 (fig. 12), 735 (tax., descr. ♀ ♂, Asmara, Ghinda, Keren, Saati), 745 (fig. 26), 747 (fig. 35), 749 (fig. 40).

*Xylocopa ustulata* SMITH, 1854: EARDLEY 1987: 14 (cat. Afr. Reg. (Eritrea under Ethiopia)).

*Xylocopa ustulata* SMITH, 1854: VICIDOMINI 2003: 271 (tax., Keren).

*Xylocopa (Ctenoxylocopa) ustulata* SMITH, 1854: VICIDOMINI & WHITMAN-MASCHERINI 2003: 115 (Keren (leg. Andreini)).

*Xylocopa (Ctenoxylocopa) ustulata* SMITH, 1854: VICIDOMINI 2005: 367 (Keren (leg. Andreini)).

*Xylocopa ustulata* SMITH, 1854: EARDLEY & URBAN 2010: 367 (cat. Afr. Reg.).

\**Xylocopa hottentota* SMITH, 1854: FRIESE 1909: 92 (biogeogr.), 216 (cat. Afr. Reg.), 217 (key ♂), 219 (key ♀), 232 (tax., descr. ♀ ♂, Eritrea without locality), 465 (cat. Afr. Reg.).

*Xylocopa (Xylocopa) hottentota* SMITH, 1854: MAIDL 1912: 257 (fig. 5), 270 (tax., Massawa).

*Xylocopa hottentota* SMITH, 1854: FRIESE 1915: 271 (Eritrea without locality).

\**Xylocopa taschenbergi* VACHAL, 1898: COCKERELL 1917: 460 (tax., Massawa).

D i s t r i b u t i o n : Asmara, Ghinda, Keren, Massawa, Saati.

*Xylocopa ustulata* is also known from Ethiopia, Gambia, Kenya, Mali, Niger, Nigeria, Somalia, Sudan and Madagascar.

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### Zusammenfassung

Derzeit sind in Eritrea 72 Arten der Familie Apidae nachgewiesen. Die Unterfamilie Apinae ist mit 48 Arten vertreten, die Unterfamilie Nomadinae mit vier Arten und die Unterfamilie Xylocopinae mit 22 Arten.

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