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## A catalogue of the Braconidae (Hymenoptera, Ichneumonoidea) of Eritrea

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**A b s t r a c t :** Till now, 33 species of the family Braconidae have been recorded from Eritrea. They belong to eight subfamilies: Agathidinae (two species in two genera), Brachistinae (one species), Braconinae (21 species in nine genera), Cardiochilinae (one species), Macrocentrinae (one species), Microgastrinae (four species in two genera), Opiinae (two species in two genera) and Rogadinae (one species). The name *Iconella lacteipennis* (SZÉPLIGETI, 1913) is revalidated and the replacement name *Apanteles assabensis* SHENEFELT, 1972 falls in synonymy.

**Key words :** Braconidae, Agathidinae, Brachistinae, Braconinae, Cardiochilinae, Macrocentrinae, Microgastrinae, Opiinae, Rogadinae, catalogue, Eritrea

### Introduction

The large family Braconidae is poorly investigated in Eritrea, although many species are used in biological control programs of agricultural pests. Hitherto only 33 species representing eight subfamilies have been recorded from Eritrea. Each of the subfamilies Brachistinae, Cardiochilinae, Macrocentrinae and Rogadinae are known only by one species. The subfamily Agathidinae is represented by the genera *Bassus* FABRICIUS, 1804 (one species) and *Braunsia* KRIECHBAUMER, 1894 (one species), the subfamily Braconinae by the genera *Bathyaulax* SZÉPLIGETI, 1906 (one species), *Bracon* FABRICIUS, 1804 (two species), *Cyanopterus* HALIDAY, 1835 (one species), *Glyptomorpha* HOLMGREN, 1868 (one species), *Iphiaulax* FOERSTER, 1863 (nine species), *Serraulax* QUICKE, 1987 (one species), *Sculptolobus* YANG, VAN ACHTERBERG & CHEN, 2008 (one species), *Soter* DE SAUSSURE, 1890 (one species), and *Zaglyptogastra* ASHMEAD, 1900 (two species), the subfamily Microgastrinae by the genera *Iconella* MASON, 1981 (one species) and *Cotesia* CAMERON, 1891 (three species), and the subfamily Opiinae by the genera *Opius* WESMAEL, 1835 (one species) and *Utetes* FOERSTER, 1863 (one species).

Hosts are known for four species, *Triaspis daci* (SZÉPLIGETI, 1911) (Brachistinae), *Bracon celer* SZÉPLIGETI, 1913 (Braconinae), *Opius dacicida* SILVESTRI, 1911 and *Opius africanus* SZÉPLIGETI, 1910 (Opiinae), which are parasitoids of the fruit fly pest *Bactrocera oleae* (ROSSIUS, 1790) (Diptera: Tephritidae).

## Annotated catalogue

### Subfamily *A g a t h i d i n a e*

#### *Bassus perula* (ENDERLEIN, 1920)

*Camptothlipsis perula* nov.spec.: ENDERLEIN 1920: 167 (description ♀, Asmara).

*Camptothlipsis perula* ENDERLEIN, 1920: BRUES 1926: 405 (catalogue Afrotropical region).

*Camptothlipsis perula* ENDERLEIN, 1920: WILKINSON 1931: 395 (key).

*Camptothlipsis perula* ENDERLEIN, 1920: SHENEFELT 1970b: 379 (Asmara, world catalogue: Ethiopia = Eritrea).

*Bassus perula* (ENDERLEIN, 1920): PAPP 1998: 227 (taxonomy, catalogue Afrotropical region genus *Bassus*: Ethiopia = Eritrea).

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

*Bassus perula* is known only from Eritrea.

#### *Braunsia occidentalis* ENDERLEIN, 1904

*Braunsia occidentalis* ENDERLEIN, 1904: MASI 1951: 324 (taxonomy, Eritrea without exact locality (leg. F. Vaccaro), footnote: taxonomy).

*Braunsia occidentalis* ENDERLEIN, 1904: SHENEFELT 1970b: 374 (world catalogue).

*D i s t r i b u t i o n* : no exact locality (MASI 1951).

*Braunsia occidentalis* is also recorded from Angola, Cameroon, Democratic Republic of the Congo, Equatorial Guinea (Mbini), Ethiopia, Kenya, Nigeria, Tanzania and Togo.

### Subfamily *B r a n c h i s t i n a e*

#### *Triaspis daci* (SZÉPLIGETI, 1911)

*Sigalphus daci* SZÉPLIGETI, 1911: SILVESTRI 1914: 195 (host-parasitoid list), 199 (taxonomy, description ♀ ♂, fig. 3, biology, Nefasit).

*Sigalphus daci* SZÉPLIGETI, 1911: SILVESTRI 1915: 330 (biology, Nefasit).

*Triaspis daci* (SZÉPLIGETI, 1911): BRUES 1926: 395 (catalogue Afrotropical region: recorded only from South Africa, but SILVESTRI (1914, 1915) cited).

*Sigalphus daci* SZÉPLIGETI, 1911: THOMPSON 1953: 184 (world host-parasitoid catalogue).

*Sigalphus daci* SZÉPLIGETI, 1911: NARAYANAN & CHAWLA 1962: 458 (host-parasitoid catalogue), 471 (host-parasitoid catalogue).

*Schizoprymnus daci* (SZÉPLIGETI, 1913): SHENEFELT 1970a: 276 (world catalogue).

*Sigalphus daci* SZÉPLIGETI, 1911: STIBBICK 2004: 38 (tab. 2: host-parasitoid catalogue: Ethiopia = Eritrea).

*H o s t* : *Bactrocera oleae* (ROSSIUS, 1790) (Diptera: Tephritidae).

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

*Triaspis daci* is also recorded from the Democratic Republic of the Congo and South Africa.

### Subfamily *B r a c o n i n a e*

#### *Bathyaulax kersteni* (GERSTAECKER, 1871)

*Bathyaulax kersteni* (GERSTAECKER, 1871): KAARTINEN & QUICKE 2007: 127 (world catalogue), 130 (key), 139 (fig. 18), 170 (taxonomy, description ♀, Keren), 171 (fig. 71).

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

*Bathyaulax kersteni* is also known from Angola, Democratic Republic of the Congo, Ethiopia, Kenya, Mozambique, Namibia, South Africa, Sudan, Tanzania (mainland, Zanzibar), Uganda (correction to KAARTINEN & QUICKE 2007: Kenya (Usoga) = Uganda) and Socotra (Yemen).

***Bathyaulax martinii* (GRIBODO, 1879)**

*Bathyaulax martinii* (GRIBODO, 1879): KAARTINEN & QUICKE 2007: 128 (world catalogue), 130 (key), 179 (taxonomy, description ♀, Keren), 180 (figs 80-83).

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

*Bathyaulax martinii* is also recorded from the Democratic Republic of the Congo, Ethiopia, Kenya, Malawi, Mozambique, Rwanda, South Africa, Sudan, Tanzania (mainland, Pemba), Zambia and Zimbabwe.

***Bathyaulax rufa* (SZÉPLIGETI, 1906)**

*Bathyaulax rufa* (SZÉPLIGETI, 1906): 128 (world catalogue –), 132 (key), 139 (fig. 14), 195 (fig. 105), 197 (taxonomy, description ♀, Assab: Kenya = Eritrea).

\**Goniobracon transitus* n.sp.: SZÉPLIGETI 1913: 593 (description ♀ ♂, Assab – East Africa = Eritrea).

*Iphiaulax transitus* (SZÉPLIGETI, 1913): BRUES 1926: 346 (taxonomy, catalogue Afrotropical region: record from Eritrea not mentioned, but SZÉPLIGETI 1913 cited).

*Goniobracon transitus* SZÉPLIGETI, 1913: FAHRINGER 1935: 462 (key ♀), 482 (taxonomy, not seen, original description).

*Goniobracon transitus* SZÉPLIGETI, 1913: SHENEFELT 1978: 1686 (lectotype designation by J. Papp, Assab, world catalogue).

*Bathyaulax transitus* (SZÉPLIGETI, 1913): QUICKE 1981: 496 (taxonomy, types examined).

*Bathyaulax transitus* (SZÉPLIGETI, 1913): QUICKE 1991a: 174 (taxonomy, type catalogue non-European Braconinae described by Szépligeti Hungarian Natural History Museum, Budapest).

*Bathyaulax transitus* (SZÉPLIGETI, 1913): KAARTINEN & QUICKE 2007: 128 (synonym), 197 (synonym, holotype examined).

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

*Bathyaulax rufa* is also recorded from Kenya, Somalia and Tanzania (correction to KAARTINEN & QUICKE 2007: Kenya (Mto-Ja-Kifaru) = Tanzania).

***Bracon celer* SZÉPLIGETI, 1913**

*Bracon celer* SZÉPLIGETI, 1913: SILVESTRI 1914: 195 (host-parasitoid list), 200 (taxonomy, description ♀ ♂, fig. IV, biology, Nefasit), 201 (figs V.1-6), 223 (biology).

*Bracon celer* Szépligeti, 1913: SILVESTRI 1915: 331 (biology, Nefasit).

*Microbracon celer* (SZÉPLIGETI, 1913): BRUES 1926: 309 (catalogue Afrotropical region: recorded only from South Africa (?), but SILVESTRI (1914, 1915) cited).

*Bracon (Bracon) celer* SZÉPLIGETI, 1913: FAHRINGER 1927: 233-234 (key ♀, Eritrea without exact locality), 245 (key ♂, Eritrea without exact locality), 315 (taxonomy, description ♀ ♂, whole Africa: SILVESTRI (1914) cited).

*Microbracon celer* (SZÉPLIGETI, 1913): THOMPSON 1953: 141 (world host-parasitoid catalogue).

*Microbracon celer* (SZÉPLIGETI, 1913): NARAYANAN & CHAWLA 1962: 443 (host-parasitoid catalogue), 457 (host-parasitoid catalogue as *Bracon celer*), 468 (host-parasite catalogue), 471 (host-parasite catalogue).

*Bracon celer* SZÉPLIGETI, 1913: SHENEFELT 1978: 1473 (world catalogue).

*Bracon celer* SZÉPLIGETI, 1913: STIBBICK 2004: 38 (tab. 2: host-parasitoid catalogue: Ethiopia = Eritrea), 39 (host-parasitoid catalogue: Ethiopia = Eritrea as *Microbracon celer*).

**Host:** *Bactrocera oleae* (ROSSIUS, 1790) Diptera: Tephretidae).

**Distribution:** Nefasit.

*Bracon celer* is known from Eritrea, Kenya, Namibia, South Africa and Cape Verde.

***Bracon solani* (DE STEFANI-PEREZ, 1909)**

*Lorenzoa solani* n.sp.: DE STEFANI-PEREZ 1909: 14 (Keren), 15 (biology), 16 (typus generis by monotypy, description ♂).

*Lorenzoa solani* DE STEFANI-PEREZ, 1909: BRUES 1926: 426 (taxonomy, catalogue Afrotropical region).

*Bracon solani* (DE STEFANI-PEREZ, 1909): ACHTERBERG & POLASZEK 1996: 25 (taxonomy, type probably lost, Eritrea without further data).

**Distribution:** Keren.

*Bracon solani*, which is known only from Eritrea, has been overlooked by SHENEFELT (1978).

***Cyanopterus lugens* (BRULLÉ, 1846)**

*Bracon lugens* LEPELETIER DE SAINT-FARGEAU (!): CANNAVIELLO 1900: 296 (taxonomy, Adi Caié).

**Distribution:** Adi Caié.

*Cyanopterus lugens* is recorded only from South Africa. The record from Eritrea has been overlooked till now, but the identification should be checked..

***Glyptomorpha erythraeana* SZÉPLIGETI, 1913**

*Glyptomorpha erythraeana* n.sp.: SZÉPLIGETI 1913: 592 (description ♀, Asmara).

*Glyptomorpha erythraeana* SZÉPLIGETI, 1913: BRUES 1926: 364 (catalogue Afrotropical region).

*Glyptomorpha (Pseudovipio) erythraeana* (SZÉPLIGETI, 1913): FAHRINGER 1926: 109 (taxonomy, Eritrea without further data, Ethiopia = Tanzania (specimen in Naturhistorisches Museum Wien – misidentification).

*Glyptomorpha erythraeana* SZÉPLIGETI, 1913: FAHRINGER 1928: 58 (key ♀, taxonomy), 75 (taxonomy, description ♀, Asmara).

*Vipio erythraeana* (SZÉPLIGETI, 1913): SHENEFELT 1978: 1848 (taxonomy, lectotype designation by J. Papp, Asmara, world catalogue).

**Distribution:** Asmara.

*Glyptomorpha erythraeana*, which is known only from Eritrea, is not mentioned in QUICKE (1991a).

***Iphiaulax apicalis* SZÉPLIGETI, 1913**

*Iphiaulax apicalis* n.sp.: SZÉPLIGETI 1913: 595 (description ♀ ♂, Asmara).

*Iphiaulax apicalis* SZÉPLIGETI, 1913: SZÉPLIGETI 1914: 178 (taxonomy (var. 2), Eritrea without exact locality (leg. Jensen = ? Asmara).

*Iphiaulax apicalis* SZÉPLIGETI, 1913: BRUES 1926: 319 (taxonomy, catalogue Afrotropical region).

*Iphiaulax (Iphiaulacidea) apicalis* SZÉPLIGETI, 1913: FAHRINGER 1926: 215 (taxonomy, Eritrea (SZÉPLIGETI 1913)).

*Iphiaulax apicalis* SZÉPLIGETI, 1913: FAHRINGER 1935: 512-513 (key ♀), 515 (key ♂ var.), 553 (taxonomy, description ♀, Asmara).

*Iphiaulax apicalis* SZÉPLIGETI, 1913: SHENEFELT 1978: 1752 (lectotype designation by J. Papp, world catalogue).

*Iphiaulax apicalis* SZÉPLIGETI, 1913: QUICKE 1991a: 174 (taxonomy, type catalogue non-European Braconinae described by Szépligeti Hungarian Natural History Museum, Budapest).

\**Iphiaulax apicalis Szépligetianus* n.ab.: FAHRINGER 1935: 553 (description = *Iphiaulax apicalis* SZÉPLIGETI var. 2). unavailable name

*Iphiaulax apicalis* ab. *szepligetianus* FAHRINGER, 1935: SHENEFELT 1978: 1752 (taxonomy, world catalogue).

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

*Iphiaulax apicalis* is also recorded from South Africa.

### ***Iphiaulax determinatus* (WALKER, 1871)**

*Bracon determinatus* sp.n.: WALKER 1871: 4 (description ♂, Rafla).

*Bracon determinatus* WALKER, 1871: MARSHALL 1888: 172 (taxonomy, not seen, French translation of original description).

*Bracon determinatus* WALKER, 1871: DALLA TORRE 1898: 265 (world catalogue: Egypt = Eritrea).

*Bracon determinatus* WALKER, 1871: SZÉPLIGETI 1905: 19 (world catalogue – Palaearctic region: Egypt = Eritrea), 35 (world catalogue – Afrotropical region).

*Bracon determinatus* WALKER, 1871: INNES BEY 1911: 108 (without exact locality, catalogue Lord Collection, Cairo).

*Iphiaulax determinatus* (WALKER, 1871): BRUES 1926: 324 (taxonomy, catalogue Afrotropical region: Egypt = Eritrea).

*Bracon determinatus* WALKER, 1871: FAHRINGER 1928: 506 (taxonomy, not seen, original description).

*Bracon determinatus* WALKER, 1871: FAHRINGER 1935: 629 (taxonomy, not seen, original description).

*Iphiaulax determinatus* (WALKER, 1871): SHENEFELT 1978: 1759 (world catalogue: Egypt = Eritrea).

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

*Bracon determinatus* is also known from Sudan.

### ***Iphiaulax erythraeana* SZÉPLIGETI, 1913**

*Iphiaulax erythraeana* n.sp.: SZÉPLIGETI 1913: 595 (description ♀ ♂, Asmara).

*Iphiaulax erythraeana* SZÉPLIGETI, 1913: BRUES 1926: 326 (taxonomy, catalogue Afrotropical region).

*Iphiaulax (Iphiaulacidea) erythraeana* SZÉPLIGETI, 1913: FAHRINGER 1926: 216 (taxonomy, Ammara = Asmara).

*Iphiaulax erythraeana* Szépligeti, 1913: FAHRINGER 1935: 513 (key ♀ as *erythräana*, taxonomy), 539 (key ♂, taxonomy), 543 (key ♂), 563 (taxonomy, description ♀, Asmara).

*Iphiaulax erythraeana* SZÉPLIGETI, 1913: SHENEFELT 1978: 1761 (lectotype designation by J. Papp, Asmara, world catalogue).

*Iphiaulax erythraeana* SZÉPLIGETI, 1913: QUICKE 1991a: 176 (taxonomy, type catalogue non-European Braconinae described by Szépligeti Hungarian Natural History Museum, Budapest).

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

*Iphiaulax erythraeana* is known only from Eritrea.

### ***Iphiaulax fastidiator* (FABRICIUS, 1781)**

*Bracon fastidiator* FABRICIUS, 1781: WALKER 1871: 3 (taxonomy, Harkeko).

*Iphiaulax fastidiator* (FABRICIUS, 1781): SZÉPLIGETI 1905: 22 (world catalogue – Palaearctic region).

*Bracon fastidiator* LATREILLE (!): INNES BEY 1911: 108 (Harkeko, catalogue Lord Collection, Cairo).

*Iphiaulax fastidiator* (FABRICIUS, 1781): BRUES 1926: 327 (taxonomy, catalogue Afrotropical region: North to South Africa, WALKER (1871) cited).

*Iphiaulax fastidiator* (FABRICIUS, 1781): SHENEFELT 1978: 1763 (world catalogue: Egypt = Eritrea).

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

*Iphiaulax fastidiator*, which is widely distributed in the Afrotropical and Palaearctic regions, is also recorded from Sudan and Ethiopia.

### ***Iphiaulax gracilites* SHENEFELT, 1978**

*Iphiaulax gracilites* new name: SHENEFELT 1978: 1767 (new replacement name for *Iphiaulax gracilis* SZÉPLIGETI, 1913, world catalogue).

*Iphiaulax gracilites* SHENEFELT, 1978: QUICKE 1991a: 177 (taxonomy, type catalogue non-European Braconinae described by Szépligeti Hungarian Natural History Museum, Budapest).

\**Iphiaulax gracilis* n.sp.: SZÉPLIGETI 1913: 595 (description ♀ ♂, Assab).

*Iphiaulax gracilis* SZÉPLIGETI, 1913: BRUES 1926: 329 (taxonomy, catalogue Afrotropical region: East Africa = Eritrea).

*Iphiaulax (Iphiaulacidea) gracilis* SZÉPLIGETI, 1913: FAHRINGER 1926: 216 (taxonomy, description ♀ ♂, East Africa = Eritrea).

*Iphiaulax gracilis* SZÉPLIGETI, 1913: FAHRINGER 1935: 530 (key ♀), 549 (key ♂), 570 (taxonomy, description ♀, Assab).

*Iphiaulax gracilis* SZÉPLIGETI, 1913: SHENEFELT 1978: 1767 (lectotype designation by J. Papp, Assab).

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

*Iphiaulax gracilites* is known from the Afrotropical (Eritrea, Ethiopia, Tanzania) and Palaearctic regions. *Iphiaulax gracilis* SZÉPLIGETI, 1913 is a junior homonym of *Iphiaulax gracilis* SZÉPLIGETI, 1900.

### ***Iphiaulax melanarius* (WALKER, 1871)**

*Bracon melanarius* sp.n.: WALKER 1871: 3 (description ♂ ♀, Massawa).

*Bracon melanarius* Walker, 1871: MARSHALL 1888: 171 (taxonomy, not seen, French translation of original description).

*Bracon melanarius* WALKER, 1871: DALLA TORRE 1898: 278 (world catalogue: East Africa).

*Bracon melanarius* WALKER, 1871: SZÉPLIGETI 1905: 31 (world catalogue – Palaearctic region).

*Iphiaulax melanarius* (WALKER, 1871): BRUES 1926: 335 (taxonomy, catalogue Afrotropical region: Egypt = Eritrea and Sudan).

*Bracon melanarius* WALKER, 1871: FAHRINGER 1928: 516 (taxonomy, not seen, original description).

*Bracon melanarius* WALKER, 1871: FAHRINGER 1935: 629 (taxonomy, not seen, original description).

*Iphiaulax melanarius* (WALKER, 1871): SHENEFELT 1978: 1780 (world catalogue: Egypt = Sudan).

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

*Iphiaulax melanarius* is also recorded from Sudan. The record from Djibouti by INNES BEY (1911: 108) is doubtful (MADL 2018) and the identification should be checked..

### ***Iphiaulax nigricoxis* SZÉPLIGETI, 1913**

*Iphiaulax nigricoxis* n.sp.: SZÉPLIGETI 1913: 595 (description ♀ ♂, Asmara).

*Iphiaulax nigricoxis* SZÉPLIGETI, 1913: SZÉPLIGETI 1914: 178 (Eritrea without exact locality – leg. Jensen = ? Asmara).

*Iphiaulax nigricoxis* SZÉPLIGETI, 1913: BRUES 1926: 337 (catalogue Afrotropical region).

*Iphiaulax (Iphiaulacidea) sjöstedti* var. *nigricoxis* SZÉPLIGETI, 1913: FAHRINGER 1926: 216 (taxonomy, description ♀ ♂, without locality).

*Iphiaulax sjostedti* ab. *nigricoxis* SZÉPLIGETI, 1913: FAHRINGER 1935: 608 (taxonomy, synonym of *Iphiaulax sjostedti* SZÉPLIGETI, 1910).

*Iphiaulax sjostedti* var. *nigricoxis* SZÉPLIGETI, 1913: SHENEFELT 1978: 1795 (taxonomy, lectotype designation by J. Papp, Asmara, world catalogue).

*Iphiaulax nigricoxis* SZÉPLIGETI, 1913: QUICKE 1991a: 178 (taxonomy, type catalogue non-European Braconinae described by Szépligeti Hungarian Natural History Museum, Budapest).

**D i s t r i b u t i o n :** Asmara – no exact locality (SZÉPLIGETI 1914).

*Iphiaulax nigricoxis* is known only from Eritrea.

#### ***Iphiaulax scrupulosus* SZÉPLIGETI, 1914**

*Iphiaulax scrupulosus* SZÉPLIGETI, 1914: FAHRINGER 1935: 537-538 (key ♀), 550 (key ♂), 605 (taxonomy, description ♀ ♂, Keren).

*Iphiaulax scrupulosus* SZÉPLIGETI, 1914: SHENEFELT 1978: 1794 (world catalogue).

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

*Iphiaulax scrupulosus* is recorded from the Afrotropical (Eritrea, Tanzania) and Palaearctic regions.

#### ***Iphiaulax unicolor* SZÉPLIGETI, 1913**

*Iphiaulax unicolor* n.sp.: SZÉPLIGETI 1913: 595 (description ♀ ♂, Assab).

*Iphiaulax unicolor* SZÉPLIGETI, 1913: BRUES 1926: 347 (taxonomy, catalogue Afrotropical region: Equatorial Africa, but SZÉPLIGETI (1913) cited).

*Iphiaulax unicolor* SZÉPLIGETI, 1913: FAHRINGER 1935: 549 (key ♂), 616 (taxonomy description ♀ ♂, Assab).

*Iphiaulax unicolor* SZÉPLIGETI, 1913: SHENEFELT 1978: 1801 (lectotype designation by J. Papp, Assab, world catalogue).

*Iphiaulax unicolor* SZÉPLIGETI, 1913: QUICKE 1991a: 180 (taxonomy, type catalogue non-European Braconinae described by Szépligeti Hungarian Natural History Museum, Budapest).

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

*Iphiaulax unicolor* is also known from Cameroon, Djibouti, Senegal, Somalia, Tanzania (mainland, Zanzibar) and Togo. The record "Kongogebiet" mentioned in FAHRINGER (1935) is probably a misinterpretation of Equatorial Africa sensu BRUES (1926).

#### ***Serraulax palpator* (SZÉPLIGETI, 1914)**

*Serraulax palpator* (SZÉPLIGETI, 1914): PAPP 2011: 46 (catalogue Afrotropical region: Eritrea erroneously cited as *Serraulax tigrinus*), 58 (taxonomy, description ♀, Asmara), 59 (figs 54-59), 69 (key).

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

*Serraulax palpator* is also recorded from Ethiopia.

#### ***Sculptolobus somnialis* (SZÉPLIGETI, 1913)**

*Bracon somnialis* n.sp.: SZÉPLIGETI 1913: 598 (description ♂ ♀, Assab – East Africa = Eritrea).

*Microbracon somnialis* (SZÉPLIGETI, 1913): BRUES 1926: 313 (taxonomy, Assab, catalogue Afrotropical region).

*Bracon somnialis* SZÉPLIGETI, 1913: SHENEFELT 1978: 1539 (taxonomy, lectotype designation by J. Papp, Assab, world catalogue).

*Habrobracon somnialis* (SZÉPLIGETI, 1913): QUICKE 1991a: 173 (taxonomy, type catalogue non-European Braconinae described by Szépligeti Hungarian Natural History Museum, Budapest).

*Sculptolobus somnialis* (SZÉPLIGETI, 1913): SAMARTSEV & ACHTERBERG 2021: 304 (world catalogue), 305 (key), 316 (taxonomy, description ♀ ♂, Assab), 317 (figs 6L, N-P).

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

*Sculptolobus somnialis* is recorded from the Afrotropical (Cape Verde, Eritrea) and Palaearctic (United Arab Emirates, Yemen) regions. *Bracon somnialis* is not mentioned in FAHRINGER (1928-1935).

***Soter caudata* (SZÉPLIGETI, 1913)**

*Odontogaster caudata* n.sp.: SZÉPLIGETI 1913: 593 (description ♀, Assab – East Africa = Eritrea).

*Odontogaster caudata* SZÉPLIGETI, 1913: BRUES 1926: 237 (key), 356 (catalogue Afrotropical region: Guinea = Eritrea).

*Odontogaster caudatus* SZÉPLIGETI, 1913: FAHRINGER 1928: 145 (key ♀), 149 (taxonomy, not seen, original description).

*Paraspinaria caudata* (SZÉPLIGETI, 1913): SHENEFELT 1978: 1712 (taxonomy, lectotype designation by J. Papp, Assab, world catalogue).

*Soter caudata* (SZÉPLIGETI, 1913): QUICKE 1991a: 184 (taxonomy, type catalogue non-European Braconinae described by Szépligeti Hungarian Natural History Museum, Budapest).

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

*Soter caudata* is also known from Ethiopia and Tanzania.

***Zaglyptogastra equitator* (WIEDEMANN, 1824)**

\**Bracon bicolor* RÜPPEL (!): CANNAVIELLO 1900: 296 (taxonomy, Godofelassi).

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

*Zaglyptogastra equitator* is also recorded from the Democratic Republic of the Congo, Ethiopia, Kenya, Mozambique, Rwanda, South Africa, Tanzania and Zimbabwe. The record from Eritrea by CANNAVIELLO (1900) has been overlooked until now, but the identification should be checked.

***Zaglyptogastra helvimacula* (ENDERLEIN, 1920)**

*Goniobracon helvimacula* nov.spec.: ENDERLEIN 1920: 123 (description ♂, Asmara).

*Iphiaulax helvimacula* (ENDERLEIN, 1920): BRUES 1926: 330 (taxonomy, catalogue Afrotropical region).

*Goniobracon helvimacula* ENDERLEIN, 1920: FAHRINGER 1935: 471 (taxonomy, description ♀, Asmara).

*Goniobracon helvimacula* ENDERLEIN, 1920: SHENEFELT 1978: 1684 (world catalogue).

*Zaglyptogastra helvimacula* (ENDERLEIN, 1920): QUICKE & ACHTERBERG 1990: 254 (tab. 1: taxonomy, Asmara, type catalogue Braconinae described by Enderlein Polish Academy of Sciences, Lomna), 257 (taxonomy).

*Zaglyptogastra helvimacula* (ENDERLEIN, 1920): QUICKE 1991b: 756 (taxonomy), 757 (world catalogue).

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

*Zaglyptogastra helvimacula* is known only from Eritrea.

**Subfamily Cardiochilinae**

***Schoenlandella variegata* (SZÉPLIGETI, 1913)**

*Cardiochiles variegatus* (SZÉPLIGETI, 1913): MASI 1939: 39 (taxonomy, Ghinda).

*Cardiochiles variegatus* (SZÉPLIGETI, 1913): SHENEFELT 1973: 803 (world catalogue: Eritrea not mentioned, but MASI (1939) cited).

*Schoenlandella variegata* (SZÉPLIGETI, 1913): DANGERFIELD, AUSTIN & WHITFIELD 1999: 959 (taxonomy, world catalogue: Eritrea not mentioned), 976 (app. 3: taxonomy).



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

*Schoenlandella variegata* is also recorded from Gambia, Niger, Nigeria, Senegal and Tanzania.

### **Subfamily Cheloniinae**

MASI (1945: 48) erroneously recorded *Phanerotoma modesta* MASI, 1944 from Eritrea. The locality Gondaraba is situated in Ethiopia.

### **Subfamily Macrocentrinae**

#### ***Austrozele nigricornis* (WALKER, 1871)**

*Phylax ? nigricornis* sp.n.: WALKER 1871: 5 (description ♀, Harkeko).

*Zelee nigricornis* (WALKER, 1871): MARSHALL 1894: 246 (taxonomy, not seen, French translation of original description).

*Zelee nigricornis* (WALKER, 1871): DALLA TORRE 1898: 78 (world catalogue: Arabia = Eritrea).

*Zelee nigricornis* (WALKER, 1871): SZÉPLIGETI 1905: 149 (world catalogue: Arabia and Egypt = Eritrea).

*Phylax nigricornis* WALKER, 1871: INNES BEY 1911: 108 (Harkeko, catalogue Lord Collection, Cairo).

*Zelee nigricornis* (WALKER, 1871): BRUES 1926: 398 (catalogue Afrotropical region: Egypt and Arabia = Eritrea).

*Zelee nigricornis* (WALKER, 1871): NIXON 1938: 422 (taxonomy, type not in British Museum).

*Zelee nigricornis* (WALKER, 1871): SHENEFELT 1970a: 225 (taxonomy, world catalogue).

*Phylax nigricornis* WALKER, 1871: ACHTERBERG 1979: 385 (taxonomy (belongs to *Austrozele*, probably a synonym of *Austrozele longipes*, not seen).

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

*Zelee nigricornis* is recorded only from Eritrea. The type, which could be conserved in the collection of the Ministry of Agriculture in Cairo, Egypt (INNES BEY 1911), should be checked.

### **Subfamily Microgastrinae**

#### ***Iconella lacteipennis* (SZÉPLIGETI, 1913) revised status**

*Apanteles lacteipennis* n.sp.: SZÉPLIGETI 1913: 602 (description ♂, Assab – East Africa = Eritrea).

*Apanteles lacteipennis* SZÉPLIGETI, 1913: BRUES 1926: 418 (catalogue Afrotropical region: Tanzania = Eritrea).

*Apanteles lacteipennis* SZÉPLIGETI, 1913: WILKINSON 1932: 324 (taxonomy, not seen, described from Tanzania = Eritrea).

*Apanteles lacteipennis* SZÉPLIGETI, 1913: DE SAEGER 1944: 325 (not seen, catalogue species not recorded from the Democratic Republic of the Congo: Tanzania = Eritrea).

\**Apanteles assabensis* new name: SHENEFELT 1972: 448 (new replacement name for *Apanteles lacteipennis* within the genus *Apanteles* FOERSTER, 1863, lectotype designation by J. Papp, world catalogue). new synonym.

*Iconella assabensis* (SHENEFELT, 1972): PAPP 2004: 205 (taxonomy, lectotype designation, Assab, type catalogue Braconidae described by Szépligetű Hungarian Natural History Museum, Budapest).

*Iconella assabensis* (SHENEFELT, 1972): FERNANDEZ-TRIANA et al. 2020: 669 (world catalogue).

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

*Iconella lacteipennis* is known only from Eritrea. Currently *Apanteles lacteipennis* SZÉPLIGETI, 1913 and *Microgaster lacteipennis* CURTIS, 1830 belong to different genera. Consequently the name *lacteipennis* must be revalidated in the genus *Iconella* MASON, 1981 and *Apanteles assabensis* SHENEFELT, 1972 falls in synonymy.

***Cotesia pistrinariae* (WILKINSON, 1929)**

*Apanteles pistrinariae* WILKINSON, 1929: NIXON 1965: 19 (key as pistrinariae-group), 138 (taxonomy, biology, Eritrea without further data).

*Apanteles pistrinariae* WILKINSON, 1929: SHENEFELT 1972: 602 (world catalogue).

*Cotesia pistrinariae* (WILKINSON, 1929): GUPTA et al. 2016: 32 (fig. 1), 33 (fig. 2), 34-36 (taxonomy, biology, Eritrea without exact locality), 35 (figs 3A-G), 42 (fig. 8: map).

*Cotesia pistrinariae* (WILKINSON, 1929): FERNANDEZ-TRIANA et al. 2020: 345 (taxonomy, world catalogue), 346 (figs 58A-G).

**D i s t r i b u t i o n** : no exact locality (NIXON 1965, GUPTA et al. 2016).

*Cotesia pistrinariae* is also recorded from the Democratic Republic of the Congo, Ethiopia, Malawi, Nigeria, Rwanda and South Africa.

***Cotesia sesamiae* (CAMERON, 1906)**

*Cotesia sesamiae* (CAMERON, 1906): WALKER 1994: 423 (key), 430 (taxonomy, description ♀ ♂, biology, Eritrea without further data), 423 (fig. 8), 424 (fig. 21), 425 (fig. 26), 431-432 (tab. 1: host-parasitoid catalogue).

*Cotesia sesamiae* (CAMERON, 1906): BONHOF et al. 1997: 23 (tab. 1: parasitoid-host catalogue East Africa).

*Cotesia sesamiae* (CAMERON, 1906): HAILE & HOFVANG 2003: 224-226 (biology, Halhale, Halhal Begos), 225 (figs 1, 2), 226 (figs 3, 4), 232 (biology).

*Cotesia sesamiae* (CAMERON, 1906): FERNANDEZ-TRIANA et al. 2020: 359 (taxonomy, world catalogue), 346 (figs 58A-G).

**D i s t r i b u t i o n** : Halhale, Halhal Begos - no exact locality (WALKER 1994).

*Cotesia sesamiae*, which is widespread in the Afrotropical region, is also known from Ethiopia and Sudan.

***Cotesia vanessae* (REINHARD, 1880)**

*Apanteles vanessae* REINHARD, 1881: NIXON 1974: 454-455 (key), 501 (description ♀ ♂, biology, Eritrea without exact locality)

*Apanteles vanessae* REINHARD, 1880: PAPP 1987: 209 (key ♀), 229 (key ♀, Ethiopia without exact locality = Eritrea), 231 (key ♀), 236 (key ♀, twice), 247 (taxonomic checklist of glomeratus-subgroup), 254 (figs 130-135).

*Cotesia vanessae* (REINHARD, 1880): HERVET et al. 2015: 563 (taxonomy, Ethiopia = Eritrea), 565 (Asmara (according to NIXON 1974, but no locality is mentioned in this paper!), fig. 5: map).

*Cotesia vanessae* (REINHARD, 1880): FERNANDEZ-TRIANA et al. 2020: 371 (taxonomy, world catalogue: Ethiopia = Eritrea).

**D i s t r i b u t i o n** : Asmara (?) – no exact locality (NIXON 1974).

*Cotesia vanessae* is known from the Afrotropical (Eritrea), Nearctic and Palaeartic regions.

## Subfamily Opiinae

### *Psytalia dacicida* (SILVESTRI, 1911)

- Opius dacicida* SILVESTRI: SILVESTRI 1911 (In: GRANDI): 443 (introduced to Italy), 520 (no formal description, fig. 465 (habitus), biology, Eritrea without exact locality).
- Opius dacicida* SILVESTRI, 1911: SILVESTRI 1913: 98 (fig. 30.2), 99 (taxonomy, description ♀, fig. 21, biology, Eritrea without exact locality), 100 (footnote: taxonomy).
- Opius dacicida* SILVESTRI, 1913: SILVESTRI 1914: 195 (host-parasitoid list), 197 (taxonomy, description ♀ ♂, biology, Eritrea without exact locality), 198 (fig. 2, footnote: taxonomy), 223 (biology).
- Opius dacicida* SILVESTRI, 1913: SILVESTRI 1915: 330 (biology, Dedda, Nefasit).
- Opius dacicida* SILVESTRI, 1913: BRUES 1926: 386 (catalogue Afrotropical region).
- Opius dacicida* SILVESTRI, 1914: FISCHER 1958: 192 (key), 195 (taxonomy, description ♂, ♀ not seen, Eritrea without exact locality).
- Opius dacicida* SILVESTRI, 1914: THOMPSON 1953: 168 (world host-parasitoid catalogue).
- Opius dacicida* SILVESTRI, 1911: NARAYANAN & CHAWLA 1962: 457 (host-parasitoid catalogue), 471 (host-parasitoid catalogue).
- Opius dacicida* SILVESTRI, 1914: FISCHER 1963: 687 (key, catalogue Afrotropical region: Eritrea).
- Opius dacicida* SILVESTRI, 1914: FISCHER 1971: 60 (host-parasitoid catalogue: Ethiopia = Eritrea).
- Opius (Psytalia) dacicida* SILVESTRI, 1914: FISCHER 1972: 252 (taxonomy, key).
- Opius dacicida* SILVESTRI, 1912: WHARTON & GILSTRAP 1983: 725 (host-parasitoid catalogue), 727 (key), 737 (taxonomy, biology, Ethiopia = Eritrea, introduced to Italy, but not recovered).
- Opius dacicida* SILVESTRI, 1914: PAPP 1985: 211 (catalogue Afrotropical region: Ethiopia = Eritrea).
- Opius (Psytalia) dacicida* SILVESTRI, 1911: FISCHER 1987: 316 (taxonomy, type lost, description ♀ ♂, biology, Ethiopia = Eritrea), 317 (fig. 253), 724 (host-parasitoid catalogue).
- Opius dacicida* SILVESTRI, 1912: STIBBICK 2004: 38 (tab. 2: host-parasitoid catalogue: Ethiopia = Eritrea).

Host: *Bactrocera oleae* (ROSSIUS, 1790) (Diptera: Tephritidae).

Distribution: Dedda, Nefasit.

*Psytalia dacicida* is known only from Eritrea.

### *Utetes africanus* (SZÉPLIGETI, 1910)

- Opius africanus* SZÉPLIGETI, 1910: WHARTON & GILSTRAP 1983: 723 (host-parasitoid catalogue), 724 (host-parasitoid catalogue), 725 (host-parasitoid catalogue), 726 (key), 735 (taxonomy, biology, Eritrea, Kenya, South Africa, introduced to Hawaii and Italy, but not recovered).
- \**Opius africanus orientalis* var.n.: SILVESTRI 1913: 98 (fig. 30.8), 112 (description ♀ ♂, biology, Eritrea without exact locality).
- Opius africanus orientalis* var.n.: SILVESTRI 1914: 195 (host-parasitoid list, description ♀ ♂, biology, Eritrea without exact locality, released in Italy (mainland, Sardinia)), 196 (fig. I), 223 (biology).
- Opius africanus* var. *orientalis* SILVESTRI, 1914: SILVESTRI 1915: 330 (biology, Dedda, Nefasit).
- Opius africanus* var. *orientalis* SILVESTRI, 1914: BRUES 1926: 385 (catalogue Afrotropical region).
- Opius africanus* var. *orientalis* SILVESTRI, 1914: THOMPSON 1953: 167 (host-parasitoid catalogue).
- Opius africanus* var. *orientalis* SILVESTRI, 1915: NARAYANAN & CHAWLA 1962: 457 (host-parasitoid catalogue), 471 (host-parasitoid catalogue).
- Opius africanus* var. *orientalis* SILVESTRI, 1914: FISCHER 1971: 40 (host-parasitoid catalogue: East Africa = Eritrea).
- Opius africanus* var. *orientalis* SILVESTRI, 1914: WHARTON & GILSTRAP 1983: 735 (synonym without comment).
- Opius africanus* var. *orientalis* SILVESTRI, 1914: STIBBICK 2004: 39 (tab. 2: host-parasitoid catalogue: Ethiopia = Eritrea).

\**Opius tephritivorus* new name: WHARTON 1987: 64 (new replacement name for *Opius africanus* SZÉPLIGETI, 1910).

H o s t : *Bactrocera oleae* (ROSSIUS, 1790) (Diptera: Tephritidae).

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

*Opius africanus* is also recorded from Kenya, Namibia, Senegal and South Africa. *Opius africanus* var. *orientalis* is not mentioned in PAPP (1985: 210) and FISCHER (1987: 169).

### Subfamily Rogadinae

#### *Rogas asmaranus* ENDERLEIN, 1920

*Rogas asmaranus* nov.sp.: ENDERLEIN 1920: 154 (description ♂, Asmara).

*Rhogas asmaranus* ENDERLEIN, 1920: BRUES 1926: 380 (catalogue Afrotropical region).

*Rhogas asmaranus* ENDERLEIN, 1920: FAHRINGER 1941: 217 (taxonomy, key ♂).

*Rogas asmaranus* ENDERLEIN, 1920: SHENEFELT 1975: 1218 (world catalogue).

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

*Rogas asmaranus* is known only from Eritrea.

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### Zusammenfassung

Zur Zeit sind in Eritrea 33 Arten der Familie Braconidae nachgewiesen. Sie gehören zu acht Unterfamilien: Agathidinae (zwei Arten aus zwei Gattungen), Brachistinae (eine Art), Braconinae (21 Arten aus neun Gattungen), Cardiochilinae (eine Art), Macrocentrinae (eine Art), Microgastrinae (vier Arten aus zwei Gattungen), Opiinae (zwei Arten aus zwei Gattungen) und Rogadinae (eine Art). Der Artnamen *Iconella lacteipennis* (SZÉPLIGETI, 1913) wird wieder für gültig erklärt und der Ersatzname *Apanteles assabensis* SHENEFELT, 1972 wird synonymisiert.

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