

Linzer biol. Beitr.	55/1	219-239	August 2023
---------------------	------	---------	-------------

A catalogue of the family Encyrtidae (Hymenoptera, Chalcidoidea) of Eritrea

Michael MADL

A b s t r a c t : In Eritrea the family Encyrtidae is represented by 37 species of the subfamilies Encyrtinae and Tetraceminae. The subfamily Encyrtinae is known by the genera *Acerophagus* SMITH, 1880 (one species), *Anicetus* HOWARD, 1896 (one species), *Anthemus* HOWARD, 1896 (one species), *Cheiloneurus* WESTWOOD, 1833 (three species), *Diversinervus* SILVESTRI, 1915 (two species), *Encyrtus* LATREILLE, 1809 (one species), *Habrolepis* FOERSTER, 1856 (two species), *Homalotylus* MAYR, 1876 (one species), *Metaphycus* MERCET, 1917 (eight species), *Microterys* THOMSON, 1876 (one species), *Prochiloneurus* SILVESTRI, 1915 (three species), *Psyllaephagus* ASHMEAD, 1900 (one species) and *Tremblaya* TRJAPITZIN, 1985 (two species). The subfamily Tetraceminae is represented by the genera *Aenasius* WALKER, 1846 (one species), *Alloцерellus* SILVESTRI, 1915 (one species), *Anagyryus* HOWARD, 1896 (three species), *Clausenia* ISHII, 1923 (one species), *Leptomastidea* MERCET, 1916 (one species), *Leptomastix* FOERSTER, 1856 (two species) and *Zaplatycerus* TIMBERLAKE, 1925 (one species).

K e y w o r d s : Encyrtidae, Encyrtinae, Tetraceminae, catalogue, Eritrea.

Introduction

The species rich family Encyrtidae is poorly known in Eritrea. Until now, only 37 species representing the subfamilies Encyrtinae and Tetraceminae have been recorded. The subfamily Encyrtinae is represented by 27 species in the genera *Acerophagus* SMITH, 1880, *Anicetus* HOWARD, 1896, *Anthemus* HOWARD, 1896, *Cheiloneurus* WESTWOOD, 1833, *Diversinervus* SILVESTRI, 1915, *Encyrtus* LATREILLE, 1809, *Habrolepis* FOERSTER, 1856, *Homalotylus* MAYR, 1876, *Metaphycus* MERCET, 1917, *Microterys* THOMSON, 1876, *Prochiloneurus* SILVESTRI, 1915, *Psyllaephagus* ASHMEAD, 1900 and *Tremblaya* TRJAPITZIN, 1985. The subfamily Tetraceminae is known by the genera *Aenasius* WALKER, 1846, *Alloцерellus* SILVESTRI, 1915, *Anagyryus* HOWARD, 1896, *Clausenia* ISHII, 1923, *Leptomastidea* MERCET, 1916, *Leptomastix* FOERSTER, 1856 and *Zaplatycerus* TIMBERLAKE, 1925. Five new genera have been described from Eritrea. The genera *Diversinervus* SILVESTRI, 1915 and *Prochiloneurus* SILVESTRI, 1915 are members of the subfamily Encyrtinae and the genera *Alloцерellus* SILVESTRI, 1915, *Neodiscodes* COMPERE, 1931 (synonym of *Aenasius* WALKER, 1846) and *Tropidophryne* COMPERE, 1931 (synonym of *Zaplatycerus* TIMBERLAKE, 1925) belong to the subfamily Tetraceminae.

Encyrtidae are parasitoids or hyperparasitoids of several insect orders (e.g. Coleoptera, Diptera, Hemiptera, Lepidoptera) and spiders. As the hosts are often pests in agriculture

and forestry, species of Encyrtidae are used in biological control programs.
PRINSLOO & ANNECKE (1979) provided a key to the Afrotropical genera of Encyrtidae.

Annotated catalogue

Synonyms or misidentifications are marked with an asterisk (*) and printing errors with an exclamation mark (!).

Subfamily E n c y r t i n a e

Acerophagus perdignus (COMPERE & ZINNA, 1955)

Pseudaphycus perdignus n.sp.: COMPERE & ZINNA 1955: 105 (description ♀ ♂, biology, Asmara, Cherer = Keren), 106 (fig. V), 107 (figs VI.1-6).

Pseudaphycus perdignus COMPERE & ZINNA, 1955: COMPERE & ANNECKE 1960: 379 (taxonomy).

Pseudaphycus perdignus COMPERE & ZINNA, 1955: ANNECKE & INSLEY 1971: 23 (parasitoid-host catalogue Afrotropical region).

Pseudaphycus perdignus COMPERE & ZINNA, 1955: NOYES 1981: 225 (world catalogue).

Pseudaphycus perdignus COMPERE & ZINNA, 1955: PRINSLOO 1983: 17 (parasitoid-host catalogue Afrotropical region), 30 (host-parasitoid catalogue Afrotropical region).

Pseudaphycus perdignus COMPERE & ZINNA, 1955: ABATE 1991: 15 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

Acerophagus perdignus (COMPERE & ZINNA, 1955): TRJAPITZIN 2008: 168 (taxonomy).

H o s t : Hemiptera, Coccidae: *Saissetia oleae* (OLIVIER, 1791) (COMPERE & ZINNA 1955).

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

Acerophagus perdignus is also known from South Africa.

Acerophagus sp.

Pseudaphycus ssp: FULMEK 1943: 63 (world host-parasitoid catalogue: Eritrea without exact locality).

H o s t : Hemiptera, Pseudococcidae: *Planococcus citri* (RISSO, 1813).

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

I could not find a reference for the Eritrean record.

Anicetus abyssinicus ANNECKE, 1967

Anicetus abyssinicus sp.n.: ANNECKE 1967: 116 (key ♀, description ♀, biology, Nefasit), 117 (figs. 28-32).

Anicetus abyssinicus ANNECKE, 1967: ANNECKE & INSLEY 1971: 5 (catalogue Afrotropical region).

Anicetus abyssinicus ANNECKE, 1967: PRINSLOO 1983: 4 (parasitoid catalogue Afrotropical region), 24 (host-parasitoid catalogue Afrotropical region).

Anicetus abyssinicus ANNECKE, 1967: ABATE 1991: 12 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

H o s t : Hemiptera, Coccidae: *Parasaissetia nigra* (NIETNER, 1861) (ANNECKE, 1967).

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

Anicetus abyssinicus is recorded only from Eritrea.

***Anthemus critinus* PRINSLOO & NESER, 1989**

Anthemus critinus spec.nov.: PRINSLOO & NESER 1989: 54 (key ♀), 66 (description ♀ ♂, biology, Nefasit), 67 (figs 36-42).

H o s t : Hemiptera, Diaspididae: *Duplachionaspis eritreana* WILLIAMS, 1955.

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

Anthemus critinus is known only from Eritrea.

***Cheiloneurus carinatus* COMPERE, 1938**

Cheiloneurus carinatus sp.n.: COMPERE 1938: 328 (key ♀, fig. 6), 330 (description ♀ ♂, fig. 8, biology, Nefasit).

Cheiloneurus carinatus COMPERE, 1938: COMPERE 1939: 25 (taxonomy, male allotype (= Nefasit) examined, Eritrea (COMPERE 1938)).

Cheiloneurus carinatus COMPERE, 1938: FULMEK 1943: 67 (world host-parasitoid catalogue).

Cheiloneurus carinatus COMPERE, 1938: ANNECKE & INSLEY 1971: 8 (catalogue Afrotropical region).

Cheiloneurus carinatus COMPERE, 1938: PRINSLOO 1983: 6 (parasitoid-host catalogue Afrotropical region), 30 (host-parasitoid catalogue Afrotropical region), 32 (host-parasitoid catalogue Afrotropical region).

Cheiloneurus carinatus COMPERE, 1938: ABATE 1991: 12 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

Cheiloneurus carinatus COMPERE, 1938: NOYES & HAYAT 1994: 458 (app. 2: host-parasitoid catalogue), 472 (app. 2: host-parasitoid catalogue: Eritrea).

S e c o n d a r y H o s t : Hemiptera, Pseudococcidae: *Pseudococcus* sp. (COMPERE 1938).

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

Cheiloneurus carinatus, a hyperparasitoid, is also recorded from the Central African Republic, Democratic Republic of the Congo, Ghana, Ivory Coast, Kenya, Malawi, Sierra Leone, South Africa, Tanzania and the Malagasy subregion (Madagascar).

***Cheiloneurus chiaromonte* MERCET, 1930**

Cheiloneurus chiaromonte nov.sp.: MERCET 1930: 223 (description ♀, biology, Senafe), 224 (fig. 1), 225 (fig. 2).

Cheiloneurus chiaromonte MERCET, 1930: COMPERE 1938: 327 (taxonomy: probably synonym of *Cheiloneurus cyanonotus* WATERSTON, 1917), 333 (taxonomy).

Cheiloneurus chiaromonte MERCET, 1930: FULMEK 1943: 75 (world host-parasitoid catalogue).

Cheiloneurus chiaromonte MERCET, 1930: THOMPSON 1944: 102 (world host-parasitoid catalogue), 128 (world parasitoid-host catalogue).

Cheiloneurus chiaromonte MERCET, 1930: THOMPSON 1955: 242 (world parasitoid-host catalogue).

Cheiloneurus chiaromonte MERCET, 1930: ANNECKE & INSLEY 1971: 9 (synonym of *Cheiloneurus cyanonotus* WATERSTON, 1917).

Cheiloneurus chiaromonte MERCET, 1930: NOYES 1981: 169 (taxonomy, lectotype designation, Senafe, catalogue species of Encyrtidae described by Mercet).

Cheiloneurus chiaromonte MERCET, 1930: ABATE 1991: 12 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

H o s t : Hemiptera, Coccidae: *Saissetia oleae* (OLIVIER, 1791) (MERCET 1930).

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

Cheiloneurus chiaromonte is known only from Eritrea.

***Cheiloneurus obscurus* SILVESTRI, 1915**

Cheiloneurus obscurus sp.n.: SILVESTRI 1915a: 258 (biology), 297 (description ♀, biology, Nefasit), 298 (figs 53, 54.1-5).

Cheiloneurus obscurus SILVESTRI, 1915: COMPERE 1931b: 250 (biology, Eritrea without exact locality).

Cheiloneurus obscurus SILVESTRI, 1915: COMPERE 1938: 327 (taxonomy), 328 (key ♀, fig. 6), 329 (fig. 7), 332 (taxonomy, biology, Asmara, Eztaclasan = Adi Tekelezan).

Cheiloneurus obscurus SILVESTRI, 1915: FULMEK 1943: 75 (world host-parasitoid catalogue).

Cheiloneurus obscurus SILVESTRI, 1915: THOMPSON 1944: 102 (world host-parasitoid catalogue), 128 (world parasitoid-host catalogue).

Cheiloneurus obscurus SILVESTRI, 1915: THOMPSON 1955: 243 (world parasitoid-host catalogue).

Cheiloneurus obscurus SILVESTRI, 1915: ANNECKE & INSLEY 1971: 9 (catalogue Afrotropical region).

Cheiloneurus obscurus SILVESTRI, 1915: PRINSLOO 1983: 6 (parasitoid-host catalogue Afrotropical region), 25 (host-parasitoid catalogue Afrotropical region).

H o s t : Hemiptera, Coccidae: *Saissetia oleae* (OLIVIER, 1791) (SILVESTRI 1915a, COMPERE 1931b).

D i s t r i b u t i o n : Adi Tekelezan, Asmara, Nefasit.

Cheiloneurus obscurus is recorded only from Eritrea.

***Diversinervus desantisi* COMPERE, 1931**

Diversinervus de santisi n.sp.: COMPERE 1931a: 235 (key ♂), 239 (description ♂, biology, Ez'Taclesan = Adi Tekelezan, Giglasciu = Ghescinascim).

Diversinervus desantisi COMPERE, 1931: COMPERE 1938: 323 (key ♀).

Diversinervus desantisi COMPERE, 1931: FULMEK 1943: 72 (world host-parasitoid catalogue: Ethiopia = Eritrea), 70 (world host-parasitoid catalogue: Abyssinien = Eritrea).

Diversinervus desantisi COMPERE, 1931: THOMPSON 1944: 94 (world host-parasitoid catalogue), 131 (world parasitoid-host catalogue).

Diversinervus desantisi COMPERE, 1931: THOMPSON 1955: 247 (world host-parasitoid catalogue: Ethiopia = Eritrea).

Diversinervus desantisi COMPERE, 1931: ANNECKE & INSLEY 1971: 11 (catalogue Afrotropical region).

Diversinervus desantisi COMPERE, 1931: PRINSLOO 1983: 8 (parasitoid-host catalogue Afrotropical region), 24 (host-parasitoid catalogue Afrotropical region).

H o s t : Hemiptera, Coccidae: *Pulvinaria* sp. (COMPERE 1931a).

D i s t r i b u t i o n : Adi Tekelezan, Ghescinascim.

Diversinervus desantisi is known only from Eritrea.

***Diversinervus elegans* SILVESTRI, 1915**

Diversinervus elegans sp.n.: SILVESTRI 1915a: 258 (biology), 302 (fig. 57), 303 (typus generis, figs 58.1-10), 304 (description ♀ ♂, biology, Nefasit).

Diversinervus elegans SILVESTRI, 1915: GAHAN & FAGAN 1923: 48 (world catalogue genotypes Chalcidoidea).

Diversinervus elegans SILVESTRI, 1915: COMPERE 1931a: 234 (key ♀), 235 (key ♂), 241 (taxonomy, description ♀ ♂, biology, Asmara, Ez'Taclesan = Adi Tekelezan, Giglasciu = Ghescinascim, Nefasit), 243 (figs 3a, b).

Diversinervus elegans SILVESTRI, 1915: COMPERE 1931b: 249 (biology, Asmara, Ez'Taclesan = Adi Tekelezan, Giglasciu = Ghescinascim, Nefasit).

Diversinervus elegans SILVESTRI, 1915: COMPERE 1938: 323 (key ♀).

Diversinervus elegans SILVESTRI, 1915: FULMEK 1943: 75 (world host-parasitoid catalogue).

Diversinervus elegans SILVESTRI, 1915: THOMPSON 1944: 103 (world host-parasitoid catalogue), 131 (world parasitoid-host catalogue).

Diversinervus elegans SILVESTRI, 1915: BOSCH et al. 1955: 55 (biology, Hamasien plateau (Asmara, Ghescinascim) and eastern escarpment).

Diversinervus elegans SILVESTRI, 1915: DE LOTTO & NASTASI 1955: not seen

Diversinervus elegans SILVESTRI, 1915: THOMPSON 1955: 247 (world host-parasitoid catalogue).

Diversinervus elegans SILVESTRI, 1915: ANNECKE & INSLEY 1971: 11 (catalogue Afrotropical region).

Diversinervus elegans SILVESTRI, 1915: PRINSLOO 1983: 8 (parasitoid-host catalogue Afrotropical region), 25 (host-parasitoid catalogue Afrotropical region).

Diversinervus elegans SILVESTRI, 1915: ABATE 1991: 13 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

Diversinervus elegans SILVESTRI, 1915: NOYES & HAYAT 1994: 401 (app. 2: host-parasitoid catalogue Encyrtidae used in biological control).

H o s t : Hemiptera, Coccidae: *Saissetia oleae* (OLIVIER, 1791) (COMPERE 1931b, BOSCH et al. 1955).

D i s t r i b u t i o n : Adi Tekelezan, Asmara, Ghescinascim, Nefasit.

Diversinervus elegans, which is recorded from all zoogeographical regions, is also known from Angola, Kenya and South Africa and the Arabian peninsula (Saudi Arabia).

***Encyrtus fuliginosus* COMPERE, 1940**

Encyrtus fuliginosus n.sp.: COMPERE 1940b: 411 (description ♀ ♂, fig. 3, Eritrea (COMPERE 1931b)), 413 (footnote 18: biology).

Encyrtus fuliginosus COMPERE, 1940: FLANDERS 1940 (In: COMPERE):413 (footnote 18: biology).

Encyrtus fuliginosus COMPERE, 1940: ANNECKE & INSLEY 1971: 12 (catalogue Afrotropical region).

Encyrtus fuliginosus COMPERE, 1940: PRINSLOO 1983: 8 (parasitoid-host catalogue Afrotropical region), 25 (host-parasitoid catalogue).

Encyrtus fuliginosus COMPERE, 1940: PRINSLOO 1991: 2 (taxonomy), 3 key ♀), 4 (key ♂), 12 (figs 19-21), 13 (taxonomy, description ♀ ♂, biology, Asmara), 28 (host-parasitoid catalogue).

Encyrtus fuliginosus COMPERE, 1940: ABATE 1991: 13 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

**Encyrtus* sp.: COMPERE 1931b: 255 (biology, Ez'Taclesan = Adi Tekelezan, Giglasciu = Ghescinascim).

Encyrtus sp.: THOMPSON 1944: 103 (world host-parasitoid catalogue), 131 (world parasitoid-host catalogue).

Encyrtus sp.: THOMPSON 1955: 248 (world host-parasitoid catalogue).

H o s t : Hemiptera, Coccidae: *Saissetia oleae* (OLIVIER, 1791) (COMPERE 1931b, PRINSLOO 1991).

D i s t r i b u t i o n : Adi Tekelezan, Asmara, Ghescinascim.

Encyrtus fuliginosus is also recorded from Kenya, Mozambique, Namibia, South Africa and the Malagasy subregion (Madagascar).

***Encyrtus* sp.**

Encyrtus sp.: SILVESTRI 1915a: 244 (biology, Nefasit).

H o s t : Hemiptera, Psyllidae: *Euphyllura aethiopica* SILVESTRI, 1915.

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

***Habrolepis diaspidi* (RISBEC, 1951)**

**Habrolepis aspidiotti* spec.nov.: COMPERE & ANNECKE 1961: 44 (description ♀, Asmara).

Habrolepis aspidioti COMPERE & ANNECKE, 1961: DELUCCHI 1965: 296 (taxonomy), 298 (taxonomy), 300 (key, biology Eritrea (COMPERE & ANNECKE 1961)), 301 (fig. 13).

Habrolepis aspidioti COMPERE & ANNECKE, 1961: ANNECKE & MYNHARDT 1970: 127 (biology), 128 (key), 131 (taxonomy, biology, Asmara), 133 (figs 9, 11, 12, 14, 16).

Habrolepis aspidioti COMPERE & ANNECKE, 1961: ANNECKE & INSLEY 1971: 13 (catalogue Afrotropical region).

Habrolepis aspidioti COMPERE & ANNECKE, 1961: ABATE 1991: 13 (parasitoid-host catalogue Ethiopia: Eritrea, Ethiopia).

Habrolepis aspidioti COMPERE & ANNECKE, 1961: NOYES & PRINSLOO 1998: 75 (synonym), 95 (tab. 3: synonym).

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

Habrolepis diaspidi is known from the Afrotropical (Cape Verde, Eritrea, Ethiopia, Mauritania, Mozambique, Senegal, South Africa, Zimbabwe) and Palaearctic regions.

***Habrolepis oppugnati* SILVESTRI, 1915**

Habrolepis oppugnati sp.n.: SILVESTRI 1915a: 260 (biology), 299 (description ♀, figs 55.1-7, biology, Nefasit), 300 (figs 56.1, 2).

Habrolepis oppugnati SILVESTRI, 1915: FULMEK 1943: 13 (world host-parasitoid catalogue: Africa = Eritrea).

Habrolepis oppugnati SILVESTRI, 1915: THOMPSON 1944: 18 (world host-parasitoid catalogue), 136 (world parasitoid-host catalogue).

Habrolepis oppugnati SILVESTRI, 1915: FERRIÈRE 1953: 115 (world catalogue), 119 (key ♀).

Habrolepis oppugnati SILVESTRI, 1915: THOMPSON 1955: 252 world (parasitoid-host catalogue).

Habrolepis oppugnati SILVESTRI, 1915: DELUCCHI 1965: 295 (taxonomy), 296 (taxonomy), 297 (figs 5, 6), 298 (taxonomy), 302 (key, biology, Eritrea (SILVESTRI 1915a)).

Habrolepis oppugnati SILVESTRI, 1915: ANNECKE & INSLEY 1971: 14 (catalogue Afrotropical region).

Habrolepis oppugnati SILVESTRI, 1915: PRINSLOO 1983: 9 (parasitoid-host catalogue Afrotropical region), 26 (host-parasitoid catalogue Afrotropical region).

Habrolepis oppugnati SILVESTRI, 1915: ABATE 1991: 13 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

H o s t : Hemiptera, Diaspididae: *Aspidiotus elaeidis* MARCHAL, 1909 (SILVESTRI 1915a).

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

Habrolepis oppugnati is recorded only from Eritrea.

***Homalotylus vicinus* SILVESTRI, 1915**

Homalotylus vicinus sp.n.: SILVESTRI 1915a: 293 (description ♀ ♂, biology, Nefasit), 294 (figs 50, 51.1-3).

Homalotylus vicinus SILVESTRI, 1915: TIMBERLAKE 1919: 157 (key), 162 (taxonomy, not seen).

Homalotylus vicinus SILVESTRI, 1915: THOMPSON 1955: 255 (parasitoid-host catalogue).

Homalotylus vicinus SILVESTRI, 1915: ANNECKE & INSLEY 1971: 14 (catalogue Afrotropical region).

Homalotylus vicinus SILVESTRI, 1915: PRINSLOO 1983: 10 (parasitoid-host catalogue Afrotropical region), 20 (host-parasitoid catalogue Afrotropical region).

Homalotylus vicinus SILVESTRI, 1915: ABATE 1991: 14 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

H o s t : Coleoptera, Coccinellidae: *Nephus vetustus* WEISE, 1915 (SILVESTRI 1915a).

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

Homalotylus vicinus is known from the Afrotropical (Eritrea) and Palaearctic regions.

***Metaphycus aethiopicus* COMPERE, 1940**

Metaphycus aethiopicus sp.n.: COMPERE 1940a: 12 (key – only ♀), 24 (fig. 3), 25 (fig. 4), 29 (description ♀ partim, biology, Nefasit partim).

Metaphycus aethiopicus COMPERE, 1940: COMPERE 1957: 223 (key ♀).

Metaphycus aethiopicus COMPERE, 1940: COMPERE & ANNECKE 1960: 384 (taxonomy).

Metaphycus aethiopicus COMPERE, 1940: ANNECKE & INSLEY 1971: 16 (catalogue Afrotropical region).

Metaphycus aethiopicus COMPERE, 1940: ANNECKE & MYNHARDT 1981: 49 (taxonomy, biology, Nefasit), 51 (fig. 121), 56 (taxonomy, paratypes examined).

Metaphycus aethiopicus COMPERE, 1940: ABATE 1991: 14 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

H o s t : Hemiptera, Coccidae (COMPERE 1940a).

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

Metaphycus aethiopicus is recorded only from Eritrea.

***Metaphycus albiventris* COMPERE, 1940**

Metaphycus albiventris sp.n.: COMPERE 1940a: 9 (key), 13 (fig. 1), 15 (description ♀, biology, Nefasit).

Metaphycus albiventris COMPERE, 1940: COMPERE & ANNECKE 1960: 385 (taxonomy).

Metaphycus albiventris COMPERE, 1940: ANNECKE & INSLEY 1971: 17 (catalogue Afrotropical region).

Metaphycus albiventris COMPERE, 1940: PRINSLOO 1983: 12 (parasitoid-host catalogue Afrotropical region), 22 (host-parasitoid catalogue Afrotropical region).

Metaphycus albiventris COMPERE, 1940: ABATE 1991: 14 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

Metaphycus albiventris COMPERE, 1940: TAVARES et al. 2019: 636 (tab. 1: world parasitoid-host catalogue *Metaphycus*).

H o s t : Hemiptera, Coccidae: probably *Ceroplastes* sp. (COMPERE 1940a).

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

Metaphycus albiventris is also known from the Democratic Republic of the Congo.

***Metaphycus anneckeii* (GUERRIERI & NOYES, 2000)**

Metaphycus anneckeii sp.n.: GUERRIERI & NOYES 2000: 150 (biology), 155 (key ♀), 203 (figs 171, 172), 207 (description ♀ ♂, biology, Eritrea (COMPERE 1931b, 1940a)), 219-220 (host-parasitoid catalogue: COMPERE 1931b)).

**Metaphycus lounsbouryi* (HOWARD, 1898): COMPERE 1931a: 242 (biology, Asmara Plateau without exact locality).

Metaphycus lounsbouryi (HOWARD, 1898): COMPERE 1931b: 249 (biology), 250 (biology, Eritrea without exact locality – misidentification GUERRIERI & NOYES 2000).

Metaphycus lounsbouryi (Howard, 1898): COMPERE 1940a: 9 (key, Eritrea without exact locality), 10 (key, Eritrea without exact locality), 18 (taxonomy, biology), 19 (fig. 2 as *lounsburii*).

Metaphycus lounsbouryi (HOWARD, 1898): FULMEK 1943: 76 (world host-parasitoid catalogue).

Metaphycus lounsbouryi (HOWARD, 1898): THOMPSON 1944: 103 (world host-parasitoid catalogue), 138 (world parasitoid-host catalogue).

Metaphycus lounsbouryi (HOWARD, 1898): THOMPSON 1955: 258 (world parasitoid-host catalogue).

Metaphycus lounsbouryi (HOWARD, 1898): ANNECKE & INSLEY 1971: 18 (catalogue Afrotropical region partim).

Metaphycus lounsbouryi (HOWARD, 1898): PRINSLOO 1983: 13 (parasitoid-host catalogue Afrotropical region), 25 (host-parasitoid catalogue Afrotropical region).

Metaphycus lounsbouryi (HOWARD, 1898): ABATE 1991: 15 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

H o s t : Hemiptera, Coccidae: *Saissetia oleae* (OLIVIER, 1791) (COMPERE 1931a, b).

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

Metaphycus lounsbury is recorded from the Afrotropical (Eritrea, Kenya, South Africa, Tanzania), Australian, Neotropical and Palaearctic regions.

***Metaphycus citrinus* COMPERE, 1957**

Metaphycus citrinus n.sp.: COMPERE 1957: 222 (key ♀), 223 (key ♂), 224 (description ♀ ♂, biology, Ghescinascim).

Metaphycus citrinus COMPERE, 1957: COMPERE & ANNECKE 1960: 385 (taxonomy).

Aphycus citrinus (COMPERE, 1957): PECK 1963: 408 (taxonomy).

Metaphycus citrinus COMPERE, 1957: ANNECKE & MYNHARDT 1981: 51 (figs 117-120), 52 (taxonomy, cotypes not seen, Eritrea (COMPERE 1957), USA).

Metaphycus citrinus COMPERE, 1957): PRINSLOO 1983: 12 (parasitoid-host catalogue Afrotropical region), 25 (host-parasitoid catalogue Afrotropical region).

**Metaphycus* sp. Y: 1955: BOSCH et al. 1955: 55 (taxonomy, biology, Hamasien plateau (Asmara, Ghescinascim) and eastern escarpment).

**Metaphycus* sp.: THOMPSON 1944: 100 (world host-parasitoid catalogue), 138 (world parasitoid-host catalogue).

Metaphycus sp.: THOMPSON 1955: 258 (world parasitoid-host catalogue).

H o s t : Hemiptera, Coccidae: *Saissetia oleae* (OLIVIER, 1791) (BOSCH et al. 1955).

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

Metaphycus citrinus is known only from Eritrea.

***Metaphycus gilvus* COMPERE, 1957**

Metaphycus gilvus n.sp.: COMPERE 1957: 223 (keys ♀, ♂), 226 (description ♀ ♂, biology, Hamasien plateau (Asmara, Ghescinascim) and eastern escarpment (BOSCH et al. 1955) and bred in California).

Metaphycus gilvus COMPERE, 1957: COMPERE & ANNECKE 1960: 385 (taxonomy).

Aphycus gilvus (COMPERE, 1957): PECK 1963: 410 (taxonomy).

Metaphycus gilvus COMPERE, 1957: ANNECKE & INSLEY 1971: 17 (catalogue Afrotropical region).

Metaphycus gilvus COMPERE, 1957: ANNECKE & MYNHARDT 1981: 62 (taxonomy, biology, Eritrea (COMPERE 1957)), 63 (figs 150-152).

Metaphycus gilvus COMPERE, 1957: PRINSLOO 1983: 13 (parasitoid-host catalogue Afrotropical region), 25 (host-parasitoid catalogue Afrotropical region).

**Metaphycus praevidens* (SILVESTRI, 1915): BOSCH et al. 1955: 55 (biology, Hamasien plateau (Asmara, Ghescinascim) and eastern escarpment. – misidentification COMPERE 1957).

H o s t : Hemiptera, Coccidae: *Saissetia oleae* (OLIVIER, 1791) (COMPERE 1957, BOSCH et al. 1955).

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

Metaphycus gilvus is recorded from the Afrotropical (Eritrea) and Oriental regions.

***Metaphycus helvolus* (COMPERE, 1926)**

Euaphycus helvolus (COMPERE, 1926): COMPERE 1931b: 252 (biology, Eritrea without exact locality).

Euaphycus helvolus (COMPERE, 1926): FULMEK 1943: 75 (world host-parasitoid catalogue).

Aphycus helvolus COMPERE, 1926: THOMPSON 1944: 101 (world host-parasitoid catalogue), 124 (world parasitoid-host catalogue).

Aphycus helvolus COMPERE, 1926: THOMPSON 1955: 236 (world parasitoid-host catalogue).

Metaphycus helvolus (COMPÈRE, 1926): ANNECKE & INSLEY 1971: 17 (catalogue Afrotropical region).

Metaphycus helvolus (COMPÈRE, 1926): ANNECKE & MYNHARDT 1981: 42 (taxonomy, description ♀ ♂, biology, Eritrea (COMPÈRE 1931b)), 44 (figs 105-108), 65 (key ♀).

Metaphycus helvolus (COMPÈRE, 1926): PRINSLOO 1983: 13 (parasitoid-host catalogue Afrotropical region), 25 (host-parasitoid catalogue Afrotropical region).

Metaphycus helvolus (COMPÈRE, 1926): ABATE 1991: 15 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

H o s t : Hemiptera, Coccidae: *Saissetia oleae* (OLIVIER, 1791) (COMPÈRE 1931b).

D i s t r i b u t i o n : no exact locality (COMPÈRE 1931b).

Metaphycus helvolus, which is recorded from all zoogeographical regions, is also known from Namibia and South Africa.

***Metaphycus praevidens* (SILVESTRI, 1915)**

Aphycus praevidens sp.n.: SILVESTRI 1915a: 257 (biology), 295 (description ♀ ♂, biology, Nefasit), 296 (figs 52.1-6).

Metaphycus praevidens (!) (SILVESTRI, 1915): COMPÈRE 1940a: 12 (key), 29 (taxonomy).

Aphycus praevidens SILVESTRI, 1915: FULMEK 1943: 58 (world host-parasitoid catalogue: Africa = Eritrea).

Aphycus praevidens SILVESTRI, 1915: THOMPSON 1944: 53 (world host-parasitoid catalogue), 124 (world parasitoid-host catalogue).

Aphycus praevidens SILVESTRI, 1915: THOMPSON 1955: 238 (world parasitoid-host catalogue).

Metaphycus praevidens (SILVESTRI, 1915): COMPÈRE 1957: 221 (taxonomy), 223 (key ♀), 224 (key ♂).

Metaphycus praevidens (SILVESTRI, 1915): ANNECKE & INSLEY 1971: 18 (catalogue Afrotropical region partim).

Metaphycus praevidens (SILVESTRI, 1915): ANNECKE & MYNHARDT 1981: 50 (taxonomy, Nefasit), 54 (figs 126-128), 56 (taxonomy, types examined (no exact locality mentioned = Nefasit).

Metaphycus praevidens (SILVESTRI, 1915): PRINSLOO 1983: 13 (parasitoid-host catalogue Afrotropical region), 24 (host-parasitoid catalogue Afrotropical region).

Metaphycus praevidens (SILVESTRI, 1915): ABATE 1991: 15 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

**Metaphycus aethiopicus* n.sp.: COMPÈRE 1940a: 12 (key – only ♂), 24 (fig. 3), 25 (fig. 4), 29 (Nefasit (♀ partim, ♂ – misidentification ANNECKE & MYNHARDT 1981).

Metaphycus aethiopicus COMPÈRE, 1940: COMPÈRE 1957: 224 (key ♂).

H o s t : Hemiptera, Coccidae: *Stotzia chrysophyllae* (SILVESTRI, 1915) (SILVESTRI 1915a).

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

Metaphycus praevidens is recorded only from Eritrea.

***Metaphycus stanleyi* COMPÈRE, 1940**

Metaphycus stanleyi sp.n.: COMPÈRE 1940a: 10 (key ♀, description ♀, Eritrea without exact locality, footnote: taxonomy), 11 (key ♀, description ♂, Eritrea without exact locality), 19 (fig. 2: *stanleyi*), 20 (taxonomy, biology, no Eritrean material mentioned).

Aphycus stanleyi (COMPÈRE, 1940): PECK 1951: 495 (taxonomy).

Metaphycus stanleyi COMPÈRE, 1940: COMPÈRE & ANNECKE 1960: 385 (taxonomy).

Aphycus stanleyi (COMPÈRE, 1940): PECK 1963: 421 (taxonomy, record from Eritrea not mentioned).

Metaphycus stanleyi COMPÈRE, 1940: ANNECKE & INSLEY 1971: 18 (taxonomy, catalogue Afrotropical region: record from Eritrea not mentioned).

Metaphycus stanleyi COMPÈRE, 1940: GUERRIERI & NOYES 2000: 153 (key ♀), 174 (figs 71-74), 176 (taxonomy, description ♀ ♂, biology, Nefasit).

H o s t : Hemiptera, Coccidae: *Parasaissetia nigra* (NIETNER, 1861) (GUERRIERI & NOYES 2000).

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

Metaphycus stanleyi, which is known from all zoogeographical regions, is also recorded from Ethiopia, Kenya, Mozambique, Namibia, South Africa, Saint Helena and Uganda.

***Microterys bizanensis* COMPERE, 1939**

Microterys bizanensis sp.n.: COMPERE 1939: 16 (key ♀), 18 (description ♀ ♂, biology, Asmara, Debre Bizen (Monastery), Nefasit), 19 (fig. 5).

Microterys bizanensis COMPERE, 1939: ANNECKE 1963: 175 (key ♀).

Microterys bizanensis COMPERE, 1939: FULMEK 1943: 73 (world host-parasitoid catalogue).

Microterys bizanensis COMPERE, 1939: ANNECKE & INSLEY 1971: 18 (catalogue Afrotropical region).

Microterys bizanensis COMPERE, 1939: PRINSLOO 1975: 22 (keys ♀, ♂), 26 (taxonomy, description ♀ ♂, biology, Nefasit).

Microterys bizanensis COMPERE, 1939: PRINSLOO 1983: 15 (parasitoid-host catalogue Afrotropical region), 24 (host-parasitoid catalogue Afrotropical region).

Microterys bizanensis COMPERE, 1939: ABATE 1991: 15 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea – PRINSLOO 1975 not cited).

H o s t : Hemiptera, Coccidae: *Parasaissetia nigra* (NIETNER, 1861) (COMPERE 1939a).

D i s t r i b u t i o n : Asmara, Debre Bizen (Monastery), Nefasit.

Microterys bizanensis is also known from Ethiopia.

***Prochiloneurus aegyptiacus* MERCET, 1929**

Achrysoophagus aegyptiacus MERCET, 1929: COMPERE 1938: 334 (taxonomy, English translation of original description, fig. 9, biology, Nefasit).

Prochiloneurus aegyptiacus MERCET, 1929: FULMEK 1943: 67 (world host-parasitoid catalogue).

Achrysoophagus aegyptiacus MERCET, 1929: ANNECKE & INSLEY 1971: 2 (catalogue Afrotropical region).

Prochiloneurus aegyptiacus MERCET, 1929: PRINSLOO 1983: 17 (parasitoid-host catalogue Afrotropical region).

Achrysoophagus (!) *aegyptiacus* MERCET, 1929: ABATE 1991: 11 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

Prochiloneurus aegyptiacus MERCET, 1929: NOYES & HAYAT 1994: 440 (app. 2: host-parasitoid catalogue: Ethiopia = Eritrea), 473 (app. 2: host-parasitoid catalogue Ethiopia = Eritrea).

H o s t : Hemiptera, Pseudococcidae: *Pseudococcus* sp. (COMPERE 1938).

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

Prochiloneurus aegyptiacus is recorded from the Afrotropical (Eritrea, Gabon, Ghana, Ivory Coast, Namibia, Nigeria, Republic of the Congo), South Africa, Tanzania, Togo), Oriental and Palaearctic (e.g. Saudi Arabia) regions.

***Prochiloneurus comperei* VIGGIANI, 1970**

Prochiloneurus comperei n.nov.: VIGGIANI 1970: 68 (new replacement for *Prochiloneurus clavatus* COMPERE, 1938).

Neoprochiloneurus comperei (VIGGIANI, 1970): SUBBA RAO 1976: 688 (taxonomy, type examined).

Prochiloneurus comperei VIGGIANI, 1970: NOYES & HAYAT 1994: 473 (app. 2: host-parasitoid catalogue).

**Prochiloneurus clavatus* sp.n.: COMPERE 1938: 325 (description ♀, biology, Nefasit), 326 (fig. 5), 327 (key ♀).

- Prochiloneurus clavatus* COMPERE, 1938: FULMEK 1943: 68 (world host-parasitoid catalogue).
Prochiloneurus clavatus COMPERE, 1938: ANNECKE & INSLEY 1971: 23 (parasitoid-host catalogue Afrotropical region).
Prochiloneuroides clavatus (COMPERE, 1938): HAYAT et al. 1975: 61 (typus generis, key ♀, taxonomy, India), 63 (figs 145-151).
Procheiloneurus (!) *clavatus* COMPERE, 1938: ABATE 1991: 15 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

H o s t : Hemiptera, Pseudococcidae: *Pseudococcus* sp. (COMPERE 1938).

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

Prochiloneurus comperei is known from the Afrotropical (Eritrea, Ethiopia, Malawi, Senegal, South Africa, Tanzania) and Oriental regions. *Prochiloneurus clavatus* COMPERE, 1938 is a junior homonym of *Prochiloneurus clavatus* (GIRAULT, 1915).

***Prochiloneurus pulchellus* SILVESTRI, 1915**

- Prochiloneurus pulchellus* sp.n.: SILVESTRI 1915b: 350 (fig. 11), 351 (typus generis, description ♀, figs 12.1-8, biology, Nefasit).
Prochiloneurus pulchellus SILVESTRI, 1915: GAHAN & FAGAN 1923: 120 (world catalogue generotypes Chalcidoidea).
Prochiloneurus pulchellus SILVESTRI, 1915: COMPERE 1938: 327 (key ♀).
Prochiloneurus pulchellus SILVESTRI, 1915: FULMEK 1943: 68 (world host-parasitoid catalogue).
Prochiloneurus pulchellus SILVESTRI, 1915: THOMPSON 1944: 87 (world host-parasitoid catalogue), 143 (world parasitoid-host catalogue).
Prochiloneurus pulchellus SILVESTRI, 1915: THOMPSON 1955: 264 (world parasitoid-host catalogue).
Prochiloneurus pulchellus SILVESTRI, 1915: VIGGIANI 1966: 93 (taxonomy, description ♀ ♂, fig. VII, biology, Nefasit), 94 (figs VIII.1-3, footnote: taxonomy).
Prochiloneurus pulchellus SILVESTRI, 1915: ANNECKE & INSLEY 1971: 23 (parasitoid-host catalogue Afrotropical region).
Prochiloneurus pulchellus SILVESTRI, 1915: PRINSLOO 1983: 17 (parasitoid-host catalogue Afrotropical region).
Procheiloneurus (!) *pulchellus* SILVESTRI, 1915: ABATE 1991: 15 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).
Prochiloneurus pulchellus SILVESTRI, 1915: NOYES & HAYAT 1994: 473 (app. 2: host-parasitoid catalogue), 482 (app. 2: host-parasitoid catalogue: Ethiopia = Eritrea).

H o s t : Hemiptera, Pseudococcidae: *Pseudococcus* sp. (SILVESTRI 1915b).

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

Prochiloneurus pulchellus is recorded from the Afrotropical (Cameroon, Cape Verde, Democratic Republic of the Congo, Eritrea, Gabon, Gambia, Ghana, Guinea-Bissao, Malawi, Nigeria, Rwanda, South Africa, Togo, Malagasy subregion: Madagascar, Seychelles), Oriental and Palaearctic (e.g. Saudi Arabia, Oman) regions.

***Psyllaephagus pulvinatus* (WATERSTON, 1922)**

- Aphidencyrus pulvinatus* (WATERSTON, 1922): ROBINSON 1961: 491 (biology, Faghena (eastern slopes) = Mount Faghena).
Psyllaephagus pulvinatus (WATERSTON, 1922): ANNECKE & INSLEY 1971: 23 (parasitoid-host catalogue Afrotropical region).
Psyllaephagus pulvinatus (WATERSTON, 1922): PRINSLOO 1981: 203 (key ♂), 204 (taxonomy, biology, Faghena), 205 (fig. 4).
Psyllaephagus pulvinatus (WATERSTON, 1922): PRINSLOO 1983: 17 (parasitoid-host catalogue Afrotropical region), 31 (host-parasitoid catalogue Afrotropical region).

Psyllaephagus pulvinatus (WATERSTON, 1922): ABATE 1991: 15 (parasitoid-host catalogue Ethiopia: Eritrea, Ethiopia).

H o s t : Hemiptera, Triozidae: *Trioza erytrae* (DEL GUERCIO, 1918) (ROBINSON 1961, PRINSLOO 1981).

D i s t r i b u t i o n : Mount Faghenat.

Psyllaephagus pulvinatus is also known from Angola, Cameroon, Eswatini (Swaziland), Ethiopia, Kenya, South Africa, Zimbabwe and the Malagasy subregion (Réunion).

The record from Eritrea by ROBINSON (1961) is not mentioned in PRINSLOO (1983: 17).

***Tremblaya minor* (SILVESTRI, 1915)**

Bothriothorax minor sp.n.: SILVESTRI 1915a: 258 (biology), 292 (description ♀ ♂, figs 48, 49.1,2, biology, Nefasit).

Baeoanusia minor (SILVESTRI, 1915): COMPERE 1931b: 249 (biology, Eritrea without exact locality).

Baeoanusia minor (SILVESTRI, 1915): COMPERE 1931c: 257 (footnote 2: taxonomy), 258 (key), 263 (taxonomy, biology, Asmara, Ez'Taclesan = Adi Tekelezan, Giglasciu = Ghescinascim, Nefasit), 264 (fig. 3).

Baeoanusia minor (SILVESTRI, 1915): COMPERE 1940b: 423 (biology).

Baeoanusia minor (SILVESTRI, 1915): FULMEK 1943: 75 (world host-parasitoid catalogue).

Baeoanusia minor (SILVESTRI, 1915): THOMPSON 1944: 100 (world host-parasitoid catalogue), 102 (world host-parasitoid catalogue), 126 (world parasitoid-host catalogue).

Baeoanusia minor (SILVESTRI, 1915): COMPERE 1947: 22 (taxonomy).

Baeoanusia minor (SILVESTRI, 1915): THOMPSON 1955: 239 (world parasitoid-host catalogue).

Baeoanusia minor (SILVESTRI, 1915): ANNECKE & INSLEY 1971: 7 (catalogue Afrotropical region).

Silvestria minor (SILVESTRI, 1915): TRJAPITZIN 1972: not seen

Silvestria minor (SILVESTRI, 1915): TRJAPITZIN 1977: 164 (taxonomy, biology, Ethiopia = Eritrea).

Silvestria minor (SILVESTRI, 1915): PRINSLOO 1983: 17 (parasitoid-host catalogue Afrotropical region), 25 (host-parasitoid catalogue Afrotropical region).

Tremblaya minor (SILVESTRI, 1915): TRJAPITZIN 1985: 14 (taxonomy).

Baeoanusia minor (SILVESTRI, 1915): ABATE 1991: 12 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

Tremblaya minor (SILVESTRI, 1915): NOYES & HAYAT 1994: 403 (app. 1: host-parasitoid catalogue Encyrtidae used in biological control: Australia – no further information).

Tremblaya minor (SILVESTRI, 1915): NOYES & PRINSLOO 1998: 90 (taxonomy).

P r i m a r y h o s t : Hymenoptera, Encyrtidae: *Metaphycus lounsburyi* (HOWARD, 1898) = *Metaphycus aneckei* (GUERRIERI & NOYES, 2000) (COMPERE 1931b, c).

S e c o n d a r y h o s t : Hemiptera, Coccidae: *Saissetia oleae* (OLIVIER, 1791) (SILVESTRI 1915a).

D i s t r i b u t i o n : Adi Tekelezan, Asmara, Ghescinascim, Nefasit.

Tremblaya minor, a hyperparasitoid, is also recorded from South Africa.

***Tremblaya oleae* (SILVESTRI, 1915)**

Bothriothorax oleae sp.n.: SILVESTRI 1915a: 258 (biology), 290 (description ♀ ♂, fig. 46, biology, Nefasit), 291 (figs 47.1-7).

Baeoanusia oleae (SILVESTRI, 1915): COMPERE 1931b: 249 (biology, Asmara, Ez'Taclesan = Adi Tekelezan, Giglasciu = Ghescinascim, Nefasit).

Baeoanusia oleae (SILVESTRI, 1915): COMPERE 1931c: 258 (key, taxonomy, description ♀ ♂, biology, Asmara, Ez'Taclesan = Adi Tekelezan, Giglasciu = Ghescinascim, Keren, Nefasit), 260 (figs 1a-e), 262 (figs 2a-c).

Baeoanusia oleae (SILVESTRI, 1915): FULMEK 1943: 73 (world host-parasitoid catalogue), 75 (world host-parasitoid catalogue).

Baeoanusia oleae (SILVESTRI, 1915): THOMPSON 1944: 101 (world host-parasitoid catalogue), 102 (world host-parasitoid catalogue), 126 (world parasitoid-host catalogue).

Baeoanusia oleae (SILVESTRI, 1915): COMPERE 1947: 22 (taxonomy).

Baeoanusia oleae (SILVESTRI, 1915): THOMPSON 1955: 239 (world parasitoid-host catalogue).

Baeoanusia oleae (SILVESTRI, 1915): ANNECKE & INSLEY 1971: 7 (catalogue Afrotropical region).

Silvestria oleae (SILVESTRI, 1915): TRJAPITZIN 1972: not seen

Silvestria oleae (SILVESTRI, 1915): TRJAPITZIN 1977: 164 (taxonomy, biology, Ethiopia = Eritrea).

Silvestria oleae (SILVESTRI, 1915): PRINSLOO 1983: 17 (parasitoid-host catalogue Afrotropical region), 24 (host-parasitoid catalogue Afrotropical region), 25 (host-parasitoid catalogue Afrotropical region).

Tremblaya oleae (SILVESTRI, 1915): TRJAPITZIN 1985: 14 (taxonomy).

Baeoanusia oleae (SILVESTRI, 1915): ABATE 1991: 12 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

Tremblaya oleae (SILVESTRI, 1915): NOYES & PRINSLOO 1998: 90 (taxonomy).

P r i m a r y h o s t : Hymenoptera, Eunotidae: *Scutellista cyanea* (DE MOTSCHULSKY, 1859) = *Scutellista cyanea obscurata* SILVESTRI, 1915 (COMPERE 1931b, c).

S e c o n d a r y h o s t : Hemiptera, Coccidae: *Parasaissetia nigra* (NIETNER, 1861), *Saissetia oleae* (OLIVIER, 1791) (SILVESTRI 1915a).

D i s t r i b u t i o n : Adi Tekelezan, Asmara, Ghescinascim, Keren, Nefasit.

Tremblaya oleae, a hyperparasitoid, is known from the Afrotropical (Eritrea, Kenya, South Africa) and Palaearctic regions.

Subfamily T e t r a c n e m i n a e

***Aenasius martinii* (COMPERE, 1931)**

Neodiscodes martinii n.sp.: COMPERE 1931d: 274 (typus generis, description ♀, biology, Nefasit).

Neodiscodes martinii COMPERE, 1931: COMPERE 1939: 24 (taxonomy, biology, type specimens (= Nefasit), Eritrea (COMPERE 1931d)).

Neodiscodes martinii (!) COMPERE, 1931: FULMEK 1943: 63 (world host-parasitoid catalogue).

Neodiscodes martinii COMPERE, 1931: KERRICH 1953: 794 (taxonomy, description ♀, Nefasit), 295 (key).

Neodiscodes martinii COMPERE, 1931: KERRICH 1967: 230 (taxonomy, description ♀, biology, Nefasit), 234 (figs 97, 99), 235 (key ♀).

Neodiscodes martinii COMPERE, 1931: ANNECKE & INSLEY 1971: 19 (catalogue Afrotropical region).

Neodiscodes martinii COMPERE, 1931: PRINSLOO 1983: 15 (parasitoid-host catalogue Afrotropical region).

Aenasius martinii (COMPERE, 1931): PRINSLOO 1988: 1468 (taxonomy), 1469 (key ♀, taxonomy, type material examined).

Neodiscodes martinii COMPERE, 1931: ABATE 1991: 15 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

Aenasius martinii (COMPERE, 1931): NOYES & HAYAT 1994: 457 (app. 2: host-parasitoid catalogue: Eritrea).

H o s t : Hemiptera, Pseudococcidae: *Planococcus citri* (RISSO, 1813) (COMPERE 1931d).

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

Aenasius martinii, which is recorded only from Eritrea, is not mentioned in GAHAN & FAGAN (1923). The record from Chad by RISBEC (1955: 541) is doubtful. The specific assignment should be checked.

***Alloцерellus inquirendus* SILVESTRI, 1915**

Alloцерellus inquirendus sp.n.: SILVESTRI 1915a: 306 (typus generis, description ♂, figs 60.1-8, biology, Nefasit).

Alloцерellus inquirendus SILVESTRI, 1915: GAHAN & FAGAN 1923: 9 (world catalogue generotypes Chalcidoidea).

Alloцерellus inquirendus SILVESTRI, 1915: ANNECKE & INSLEY 1971: 3 (catalogue Afrotropical region).

Alloцерellus inquirendus SILVESTRI, 1915: ABATE 1991: 11 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

Alloцерellus inquirendus SILVESTRI, 1915: STIBICK 2004: 38 (tab. 2: world catalogue parasites and predators of Tephritidae: Ethiopia = Eritrea).

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

Alloцерellus inquirendus is known only from Eritrea.

***Anagyrus abyssinicus* COMPERE, 1939**

Anagyrus abyssinicus sp.n.: COMPERE 1939: 5 (key ♀), 8 (description ♀, biology, Giglasciu = Ghescinascim), 10 (fig. 2), 12 (fig. 3).

Anagyrus abyssinicus COMPERE, 1939: FULMEK 1943: 67 (world host-parasitoid catalogue).

Anagyrus abyssinicus COMPERE, 1939: ANNECKE & INSLEY 1971: 4 (catalogue Afrotropical region).

Anagyrus abyssinicus COMPERE, 1939: PRINSLOO 1983: 3 (parasitoid-host catalogue Afrotropical region), 29 (host-parasitoid catalogue Afrotropical region).

Anagyrus abyssinicus COMPERE, 1939: ABATE 1991: 12 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

Anagyrus abyssinicus COMPERE, 1939: NOYES & HAYAT 1994: 471 (app. 2: host-parasitoid catalogue).

H o s t : Hemiptera, Pseudococcidae: *Pseudococcus* sp. (COMPERE 1939).

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

Anagyrus abyssinicus is also recorded from Ghana.

***Anagyrus pullus* COMPERE, 1939**

Anagyrus pullus sp.n.: COMPERE 1939: 5 (key ♀), 10 (fig. 2), 11 (description ♀, biology, Nefasit), 12 (fig. 3).

Anagyrus pullus COMPERE, 1939: FULMEK 1943: 67 (world host-parasitoid catalogue).

Anagyrus pullus COMPERE, 1939: ANNECKE & INSLEY 1971: 4 (catalogue Afrotropical region).

Anagyrus pullus COMPERE, 1939: PRINSLOO 1983: 4 (parasitoid-host catalogue Afrotropical region).

Anagyrus pullus COMPERE, 1939: ABATE 1991: 12 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

Anagyrus pullus COMPERE, 1939: NOYES & HAYAT 1994: 471 (app. 2: host-parasitoid catalogue: Ethiopia = Eritrea).

H o s t : Hemiptera, Pseudococcidae: *Pseudococcus* sp. (COMPERE 1939).

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

Anagyrus pullus is also known from Ghana.

***Anagyrus subproximus* (SILVESTRI, 1915)**

Blastothrix subproxima sp.n.: SILVESTRI 1915b: 346 (description ♀ ♂, fig. 7, biology, Nefasit), 347 (figs 8.1-6).

Anagyrus subproximus (SILVESTRI, 1915): COMPERE 1939: 6 (key ♀), 7 (key ♂), 10 (fig. 2), 12 (fig. 3), 13 (taxonomy, biology, Nefasit).

Anagyrus subproximus (SILVESTRI, 1915): FULMEK 1943: 67 (world host-parasitoid catalogue).

Anagyryus subproximus (SILVESTRI, 1915): THOMPSON 1944: 87 (world host-parasitoid catalogue), 120 (world parasitoid-host catalogue).

Anagyryus subproximus (SILVESTRI, 1915): THOMPSON 1955: 232 (world parasitoid-host catalogue).

Anagyryus subproximus (SILVESTRI, 1915): ANNECKE & INSLEY 1971: 4 (catalogue Afrotropical region).

Anagyryus subproximus (SILVESTRI, 1915): PRINSLOO 1983: 4 (parasitoid-host catalogue Afrotropical region).

Anagyryus subproximus (SILVESTRI, 1915): ABATE 1991: 12 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

Anagyryus subproximus (SILVESTRI, 1915): NOYES & HAYAT 1994: 439 (app. 2: host-parasitoid catalogue: Ivory Coast), 472 (app. 2: host-parasitoid catalogue: Ethiopia = Eritrea).

H o s t : Hemiptera, Pseudococcidae: *Pseudococcus* sp. (SILVESTRI 1915b, COMPERE 1939).

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

Anagyryus subproximus is also recorded from Ghana, Ivory Coast and Senegal.

***Anagyryus* sp.**

Anagyryus ssp.: FULMEK 1943: 63 (world host-parasitoid catalogue).

H o s t : Hemiptera, Pseudococcidae: *Planococcus citri* (RISSO, 1813).

I could not find a reference for the Eritrean record.

***Clausenia comperei* KERRICH, 1967**

Clausenia comperei sp.n.: KERRICH 1967: 185 (description ♀, biology, Asmara, Ertaclesan = Adi Tekelezan, Keren), 186 (fig. 41), 188 (key ♀).

Clausenia comperei KERRICH, 1967: ANNECKE & INSLEY 1971: 9 (catalogue Afrotropical region).

Clausenia comperei KERRICH, 1967: ABATE 1991: 13 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

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

Clausenia comperei is also known from South Africa.

***Leptomastidea jeanneli* MERCET, 1924**

Leptomastidea jeanneli MERCET, 1924: COMPERE 1939: 25 (taxonomy, biology, Nefasit).

Leptomastidea jeanneli MERCET, 1924: ANNECKE & INSLEY 1971: 15 (catalogue Afrotropical region).

Leptomastidea jeanneli MERCET, 1924: PRINSLOO 1983: 10 (parasitoid-host catalogue Afrotropical region).

Leptomastidea jeanneli MERCET, 1924: ABATE 1991: 14 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

Leptomastidea jeanneli MERCET, 1924: NOYES & HAYAT 1994: 472 (app. 2: host-parasitoid catalogue).

H o s t : Hemiptera, Pseudococcidae: *Pseudococcus* sp. (COMPERE 1939).

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

Leptomastidea jeanneli is also recorded from Ghana, Kenya, Nigeria, Sao Thomé & Príncipe, Togo and Zimbabwe.

***Leptomastidea* sp.**

Leptomastidea spp.: FULMEK 1943: 63 (world host-parasitoid catalogue).

H o s t : Hemiptera, Pseudococcidae: *Planococcus citri* (RISSO, 1813).

I could not find a reference for the Eritrean record.

***Leptomastix abyssinica* COMPERE, 1931**

Leptomastix abyssinica n.sp.: COMPERE 1931d: 267 (description ♀ ♂, biology, Nefasit), 268 (fig. 1).

Leptomastix abyssinicum (!) COMPERE, 1931: COMPERE 1938: 325 (key ♀).

Leptomastix abyssinica COMPERE, 1931: FULMEK 1943: 63 (world host-parasitoid catalogue).

Leptomastix abyssinica COMPERE, 1931: THOMPSON 1944: 89 (world host-parasitoid catalogue), 137 (world parasitoid-host catalogue).

Leptomastix abyssinica COMPERE, 1931: THOMPSON 1955: 256 (world parasitoid-host catalogue).

Leptomastix abyssinica COMPERE, 1931: DE LOTTO & NASTASI 1955: not seen

Leptomastix abyssinica COMPERE, 1931: ANNECKE & INSLEY 1971: 15 (catalogue Afrotropical region).

Leptomastix abyssinica COMPERE, 1931: PRINSLOO 1983: 10 (parasitoid-host catalogue Afrotropical region).

Leptomastix abyssinica COMPERE, 1931: ABATE 1991: 14 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

Leptomastix abyssinica COMPERE, 1931: NOYES & HAYAT 1994: 459 (app. 2: host-parasitoid catalogue: Ethiopia = Eritrea).

Leptomastix abyssinica COMPERE, 1931: ANGA & NOYES 1999: 97 (tab. 1: catalogue *Leptomastix* species used in biological control), 98 (keys ♀, ♂), 110 (taxonomy, description ♀ ♂, biology, Ezdaklesan = Eztaklesan, Nefasit), 112 (host-parasitoid catalogue), 126 (figs 56-60).

H o s t : Hemiptera, Pseudococcidae: *Planococcus* sp. (COMPERE 1931d, ANGA & NOYES 1999).

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

Leptomastix abyssinica is also known from South Africa.

***Leptomastix dactylopii* HOWARD, 1885**

Leptomastix dactylopii HOWARD, 1885: ANGA & NOYES 1999: 97 (tab. 1: catalogue *Leptomastix* species used in biological control), 98 (keys ♀, ♂), 106 (taxonomy, description ♀ ♂, biology, Nefasit), 111 (host-parasitoid catalogue), 112 (host-parasitoid catalogue), 123 (figs 39-42), 124 (figs 43-46), 127 (fig. 63), 128 (figs 70a, b).

**Leptomastix superbus* sp.n.: SILVESTRI 1915b: 348 (description ♀ ♂, fig. 9, biology, Nefasit), 349 (fig. 10.1-6).

Leptomastix superbus SILVESTRI, 1915: COMPERE 1938: 325 (key ♀, footnote: taxonomy).

Leptomastix superbus SILVESTRI, 1915: FULMEK 1943: 68 (world host-parasitoid catalogue).

Leptomastix superbus SILVESTRI, 1915: THOMPSON 1944: 87 (world host-parasitoid catalogue), 137 (world parasitoid-host catalogue).

Leptomastix superbus SILVESTRI, 1915: THOMPSON 1955: 257 world (parasitoid-host catalogue).

Leptomastix superba SILVESTRI, 1915: ANNECKE & INSLEY 1971: 16 (catalogue Afrotropical region).

Leptomastix superba SILVESTRI, 1915: PRINSLOO 1983: 11 (parasitoid-host catalogue Afrotropical region).

Leptomastix superba SILVESTRI, 1915: ABATE 1991: 14 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

Leptomastix superba SILVESTRI, 1915: NOYES & HAYAT 1994: 473 (app. 2: host-parasitoid catalogue).

Leptomastix superba SILVESTRI, 1915: ANGA & NOYES 1999: 106 (synonym).

H o s t : Hemiptera, Pseudococcidae: *Pseudococcus* sp. (SILVESTRI 1915a).

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

Leptomastix dactylopii, which is known from all zoogeographical regions, is not recorded from the African neighbour countries, but is known from the Arabian peninsula (Saudi Arabia).

***Leptomastix* sp.**

Leptomastix sp.: NASTASI & ANDEMESKEL 1968: Publication not seen.

Leptomastix sp.: ABATE 1991: 14 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

H o s t : Lepidoptera, Noctuidae: *Chrysodeixis acuta* (WALKER, 1864) (NASTASI & ANDEMESKEL 1968).

***Zaplatycerus africanus* (COMPÈRE, 1931)**

Tropidophryne africana n.sp.: COMPÈRE 1931d: 270 (figs 2a-d), 271 (typus generis, description ♀, Nefasit).

Tropidophryne africana COMPÈRE, 1931: COMPÈRE 1939: 14 (key ♀, fig. 4), 15 (catalogue Afrotropical region).

Tropidophryne africana COMPÈRE, 1931: FULMEK 1943: 64 (world host-parasitoid catalogue).

Tropidophryne africana COMPÈRE, 1931: DE LOTTO & NASTASI 1955: Publication not seen.

Tropidophryne africana COMPÈRE, 1931: ANNECKE & INSLEY 1971: 25 (parasitoid-host catalogue Afrotropical region).

Tropidophryne africana COMPÈRE, 1931: KERRICH 1978: 147 (taxonomy, description ♀, record from Eritrea not mentioned), 148 (figs 31, 34), 149-150 (key ♀), 151 (fig. 36).

Tropidophryne africana COMPÈRE, 1931: PRINSLOO 1983: 19 (parasitoid-host catalogue Afrotropical region), 25 (host-parasitoid catalogue Afrotropical region).

Tropidophryne africana COMPÈRE, 1931: ABATE 1991: 16 (parasitoid-host catalogue Ethiopia: Ethiopia = Eritrea).

Tropidophryne africana COMPÈRE, 1931: NOYES & HAYAT 1994: 460 (app. 2: host-parasitoid catalogue).

Zaplatycerus africanus (COMPÈRE, 1931): HAYAT 2012: 176 (taxonomy, Eritrea (Compère 1931d)).

H o s t : Hemiptera, Pseudococcidae: *Planococcus citri* (RISSO, 1813).

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

Zaplatycerus africanus is also recorded from Ghana, Ivory Coast, Nigeria, South Africa, Uganda and the Malagasy subregion (Mauritius).

Acknowledgements

I am indebted to Manuela Vizek (Natural History Museum Vienna, Austria) for her support in compilation of the catalogue.

Zusammenfassung

Die Familie Encyrtidae ist in Eritrea mit 30 Arten aus den Unterfamilien Encyrtinae und Tetraceminae vertreten. Die Unterfamilie Encyrtinae ist mit den Gattungen *Acerophagus* SMITH, 1880 (eine Art), *Anicetus* HOWARD, 1896 (eine Art), *Anthemus* HOWARD, 1896 (eine Art), *Cheiloneurus* WESTWOOD, 1833 (drei Arten), *Diversinervus* SILVESTRI, 1915 (zwei Arten), *Encyrtus* LATREILLE, 1809 (eine Art), *Habrolepis* FOERSTER, 1856 (zwei Arten), *Homalotylus* MAYR, 1876 (eine Art), *Metaphycus* MERCET, 1917 (acht Arten), *Microterys* THOMSON, 1876 (eine Art), *Prochiloneurus* SILVESTRI, 1915 (drei Arten), *Psyllaephagus* ASHMEAD, 1900 (eine Art) und *Tremblaya* TRJAPITZIN, 1985 (zwei Arten) nachgewiesen. Die Unterfamilie Tetraceminae ist mit

den Gattungen *Aenasius* WALKER, 1846 (eine Art), *Allocerellus* SILVESTRI, 1915 (eine Art), *Anagyrus* HOWARD, 1896 (drei Arten), *Clausenia* ISHII, 1923 (eine Art), *Leptomastidea* MERCET, 1916 (eine Art), *Leptomastix* FOERSTER, 1856 (zwei Arten) und *Zaplatycerus* TIMBERLAKE, 1925 (eine Art) vertreten.

References

- ABATE T. (1991): Entomophagous Arthropods of Ethiopia: A Catalog. — Technical Manual 4, Institute of Agricultural Research, Addis Abeba, Ethiopia: VI + 50 pp.
- ANGA J.-M. & J.S. NOYES (1999): A revision of the African and Malagasy species of the genus *Leptomastix* (Hymenoptera, Encyrtidae), parasitoids of mealybugs (Homoptera: Pseudococcidae). — Bulletin of The Natural History Museum, Entomology Series, **68/2**: 93-128.
- ANNECKE D.P. (1963): Records and descriptions of African Encyrtidae – I (Hymenoptera: Chalcidoidea). — Journal of the Entomological Society of Southern Africa **25/2**: 170-191.
- ANNECKE D.P. (1967): The genera *Anicetus* HOWARD, 1896, *Paraceraptocerus* GIRAULT, 1920 and allies, with descriptions of new genera and species (Hymenoptera: Encyrtidae). — Transactions of the Royal Entomological Society of London **119/4**: 99-169.
- ANNECKE D.P. & H.P. INSLEY (1971): Catalogue of Ethiopian Encyrtidae & Aphelinidae (Hymenoptera: Chalcidoidea). — Entomology Memoir, Department of Agricultural Technical Services, Republic of South Africa, **23**: 53 pp.
- ANNECKE D.P. & M.J. MYNHARDT (1970): On some species of *Habrolepis* FOERSTER and *Adelencyrtus* ASHMEAD (Hymenoptera: Encyrtidae) in southern Africa and Mauritius. — Entomophaga **15/2**: 127-148.
- ANNECKE D.P. & M.J. MYNHARDT (1972): The species of the insidiosus-group of *Metaphycus* MERCET in South Africa with notes on some extralimital species (Hymenoptera: Encyrtidae). — Revue de Zoologie et de Botanique Africaines **84/3-4**: 228-274.
- ANNECKE D.P. & M.J. MYNHARDT (1979): On *Metaphycus stanleyi* COMPERE and two new species of *Metaphycus* MERCET from Africa (Hymenoptera: Encyrtidae). — Journal of the Entomological Society of Southern Africa **42/1**: 151-158.
- ANNECKE D.P. & M.J. MYNHARDT (1981): The species of the asterolecanii-group of *Metaphycus* MERCET (Hymenoptera: Encyrtidae) from South Africa with notes on some extralimital species. — Journal of the Entomological Society of Southern Africa **44/1**: 1-68.
- BOSCH R. VAN DEN, BARTLETT B.R. & S.E. FLANDERS (1955): A Search for Natural Enemies of Lecaniine Scale Insects in Northern Africa for Introduction into California. — Journal of Economic Entomology **48/1**: 53-55.
- COMPERE H. (1931a): A Revision of the Genus *Diversinervus* SILVESTRI, Encyrtid Parasites of Coccids (Hymenoptera). — University of California Publications in Entomology **5/11**: 233-245.
- COMPERE H. (1931b): A Discussion of the Parasites of *Saissetia oleae* (BERN.) collected in Eritrea. — University of California Publications in Entomology **5/12**: 247-255.
- COMPERE H. (1931c): The African Species of *Baeoanusia*, an Encyrtid Genus of Hyperparasites (Hymenoptera). — University of California Publications in Entomology **5/13**: 257-264.
- COMPERE H. (1931d): New Encyrtid (Hymenopterous) Parasites of a *Pseudococcus* Species from Eritrea. — University of California Publications in Entomology **5/14**: 265-274.
- COMPERE H. (1938): A Report on some miscellaneous African Encyrtidae in the British Museum. — Bulletin of Entomological Research **29/3**: 315-337.
- COMPERE H. (1939): A Second Report on some miscellaneous African Encyrtidae in the British Museum. — Bulletin of Entomological Research **30/1**: 1-26.

- COMPÈRE H. (1940a): The African species of *Metaphycus* MERCET — Bulletin of Entomological Research **31**/1: 7-33.
- COMPÈRE H. (1940b): Parasites of the black scale *Saissetia oleae* in Africa. — Hilgardia **13**/7: 387 – 425.
- COMPÈRE H. (1947): A Report on a Collection of Encyrtidae with Descriptions of new Genera and Species. — University of California Publications in Entomology **8**/1: 1-24.
- COMPÈRE H. (1957): Descriptions of species of *Metaphycus* recently introduced into California and some corrections. — Bollettino del Laboratorio di Entomologia Agraria "Filippo Silvestri" in Portici **15**: 221-230.
- COMPÈRE H. & D.P. ANNECKE (1960): A reappraisal of *Aphycus* MAYR, *Metaphycus* MERCET, and allied genera (Hymenopt: Encyrtidae). — Journal of the Entomological Society of Southern Africa **23**/2: 375-389.
- COMPÈRE H. & D.P. ANNECKE (1961): Descriptions of parasitic Hymenoptera and comments (Hymenopt. Aphelinidae, Encyrtidae, Eulophidae). — Journal of the Entomological Society of Southern Africa **24**/1: 17-71.
- COMPÈRE H. & G. ZINNA (1955): Tre nuovi generi e cinque nuove specie di Encyrtidae. — Bollettino del Laboratorio di Entomologia Agraria "Filippo Silvestri" Portici **14**: 94-116.
- DE LOTTO G. & V. NASTASI (1955): Gli insetti alle piante coltivate e spontanee dell'Eritrea. — Rivista di Agricoltura Subtropicale e Tropicale **49**: 53-59.
- DELUCCHI V. (1965): Les *Habrolepis* FOERSTER, 1856 (Chalc. Encyrtidae). — Entomophaga **10**/3: 295-304.
- FERRIÈRE C. (1953): Un nouvel Encyrtide (Hym Chalcidoidea) de la Guinée française. — Revue de Pathologie Végétale et d'Entomologie Agricole de France **32**/2: 115-119.
- FULMEK L. (1943): Wirtsindex der Aleyrodidae und Cocciden-Parasiten. — Entomologische Beihefte **10**: V, 1-100.
- GAHAN A.B. & M.M. FAGAN (1923): The type species of the genera of Chalcidoidea or chalcid-flies. — Bulletin of the United States National Museum **124**: 1-173.
- GUERRIERI E. & J.S. NOYES (2000): Revision of European species of the genus *Metaphycus* MERCET (Hymenoptera: Chalcidoidea: Encyrtidae), parasitoids of scale insects (Homoptera: Coccoidea). — Systematic Entomology **25**/3: 147-222.
- HAYAT M. (2012): Taxonomic notes on Indian Encyrtidae (Hymenoptera: Chalcidoidea) – VI. — Oriental Insects **46**/2: 163-181.
- HAYAT M., ALAM M. & M.M. AGARWAL (1975): Taxonomic Survey of Encyrtid Parasites (Hymenoptera: Encyrtidae) in India. — Aligarh Muslim University Publications (Zoological Series) On Indian Insect Types **9**: III + 112 pp.
- KERRICH G.J. (1967): On the classification of the Anagyrine Encyrtidae, with a revision of some of the genera (Hymenoptera: Chalcidoidea). — Bulletin of the British Museum (Natural History), Entomology, **20**/5: 141-250.
- KERRICH G.J. (1978): A revision of the dinocarsiine Encyrtidae with a study of the genus *Pelmatencyrtus* DE SANTIS (Hymenoptera: Chalcidoidea). — Zoological Journal of the Linnean Society **62**/2: 109-159.
- MERCET R.G. (1930): Algunos Calcídidos de Africa. — Eos, Revista Española de Entomología **6**/3: 221-228.
- NASTASI V. & W. ANDEMESKEL (1968): A list of insect pests found on plants, their parasites and predators in Eritrea: 1954-1967. — Asmara (Imperial Ethiopian Government, Department of Agriculture).
- NOYES J.S. (1981): On the types of the species of Encyrtidae described by R. Garcia Mercet (Hymenoptera: Chalcidoidea). — Eos, Revista Española de Entomología **55-56**: 7-31.

- NOYES J.S. & M. HAYAT (1994): Oriental Mealybug Parasitoids of the Anagyrini (Hymenoptera: Encyrtidae) with a world review of Encyrtidae used in classical biological control and an index of encyrtid parasitoids of mealybugs (Homoptera: Pseudococcidae). — London (CAB International on behalf of the Natural History Museum, London): VIII +554 pp.
- NOYES J.S. & G.L. PRINSLOO (1998): A review of the Afrotropical and Malagasy taxa of Encyrtidae (Hymenoptera: Chalcidoidea) described by J. Risbec (1949-1959). — *Annales de la Société Entomologique de France, nouvelle série*, **34/1**: 71-97.
- PECK O. (1951): Superfamily Chalcidoidea. — In: MUESEBECK C.E.F., KROMBEIN K.V. & H.K. TOWNES (eds.), *Hymenoptera of America North of Mexico. Synoptic Catalog*: 410-594.
- PECK O. (1963): A catalogue of the Nearctic Chalcidoidea (Insecta: Hymenoptera). — *The Canadian Entomologist, Supplement* **30**: 1092 pp.
- PRINSLOO G.L. (1975): On some species of *Microterys* THOMSON, 1876 (Hymenoptera, Encyrtidae) from Africa. — *Journal of the Entomological Society of Southern Africa* **38/1**: 19-37.
- PRINSLOO G.L. (1981): On the encyrtid parasites (Hymenoptera: Chalcidoidea) associated with psyllids (Hemiptera: Psylloidea) in southern Africa. — *Journal of the Entomological Society of Southern Africa* **44/2**: 199-244.
- PRINSLOO G.L. (1983): A parasitoid-host Index of Afrotropical Encyrtidae (Hymenoptera: Chalcidoidea). — *Entomology Memoir, Department of Agriculture, Republic of South Africa*, **60**: 35 pp.
- PRINSLOO G.L. (1988): A review of the encyrtid wasp tribe Aenasiini, with descriptions of new Afrotropical taxa. — *Journal of Natural History* **22/6**: 1465-1482.
- PRINSLOO G.L. (1991): Revision of the Afrotropical species of *Encyrtus* LATREILLE (Hymenoptera: Encyrtidae). — *Entomology Memoir, Department of Agricultural Development, Republic of South Africa*, **84**: 30 pp.
- PRINSLOO G.L. & D.P. ANNECKE (1979): A key to the genera of Encyrtidae from the Ethiopian Region, with descriptions of three new genera (Hymenoptera: Chalcidoidea). — *Journal of the Entomological Society of Southern Africa* **42/2**: 349-382.
- PRINSLOO G.L. & O.C. NESER (1989): A revision of the genus *Anthemus* HOWARD (Hymenoptera: Encyrtidae) in the Afrotropical region. — *Journal of African Zoology* **103**: 51-72.
- RISBEC J. (1955): Chalcidoïdes and Proctotrupides africains. — *Bulletin de l'Institut Française de l'Afrique Noire, Série A, Sciences Naturelles*, **17/2**: 533-580.
- ROBINSON D.M. (1961): Synonymic notes on *Aphidencyrtus pulvinatus* (WATERSTON) (Hymenoptera: Encyrtinae). — *The Annals and Magazine of Natural History, 13th Series*, **3/32**: 491-492.
- SILVESTRI F. (1914): Viaggio in Eritrea per cercare parassiti della mosca delle olive. — *Bollettino del Laboratorio di Zoologia Generale e Agraria della R. Scuola Superiore di Agricoltura in Portici* **9**: 186-226.
- SILVESTRI F. (1915a): Contributo alla conoscenza degli insetti dell'olivo dell'Eritrea e dell'Africa meridionale. — *Bollettino del Laboratorio di Zoologia Generale e Agraria della R. Scuola Superiore di Agricoltura in Portici* **9**: 240-334.
- SILVESTRI F. (1915b): Descrizione di nuovi Imenotteri Calcididi africani. — *Bollettino del Laboratorio di Zoologia Generale e Agraria della R. Scuola Superiore di Agricoltura in Portici* **9**: 337-377.
- STIBICK J.N.L. (2004): *Natural Enemies of True Fruit Flies (Tephritidae)*. — Riverdale (United States Department of Agriculture, Animal and Plant Health Inspection Service, Plant Protection and Quarantine): 86 pp.
- SUBBA RAO B.R. (1976): Description of a new species of *Anthemus* HOWARD (Hymenoptera: Encyrtidae) parasitic on *Diaspidiotus pronorum* LIANG (Coccoidea: Diaspididae) with some new combinations and synonyms. — *Journal of Natural History* **10/6**: 685-689.

- TAVARES M.T., SANTOS M.E.V., DAL MOLIN A., PERONTI A.L. B.G. & C.R. SOUSA-SILVA (2019): Neotropical Species of *Metaphycus* (Hymenoptera, Encyrtidae) Parasitoids of *Ceroplastes* (Hemiptera, Coccidae): New Species, Interaction Records and a Checklist. — *Neotropical Entomology* **48**/4: 633-644.
- THOMPSON R.W. (1943): A Catalogue of the Parasites and Predators of Insect Pests. Section 1: Parasite Host Catalogue Part 2: Parasites of Dermaptera and Diptera. — Belleville (The Imperial Parasite Service): IV + 99pp.
- THOMPSON W.R. (1944): A Catalogue of the Parasites and Predators of Insect Pests. Section 1. Host Parasite Catalogue. Part 3. Parasites of the Hemiptera. — Belleville (The Imperial Parasite Service): V + 149 pp.
- THOMPSON W.R. (1955): A Catalogue of the Parasites and Predators of Insect Pests. Section 2: Host Parasite Catalogue Part 3: Hosts of the Hymenoptera (Calliceratid to Evaniid). — Ottawa (The Commonwealth Institute of Biological Control): 191-332.
- TIMBERLAKE P.H. (1919): Revision of the parasitic Chalcidoid flies of the genera *Homalotylus* MAYR and *Isodromus* HOWARD, with descriptions of two closely related genera. — *Proceedings of the United States National Museum* **56**/2293: 133-194, pls 38-42.
- TRJAPITZIN V.A. (1972): Host-parasite relations in the family Encyrtidae (Hymenoptera, Chalcidoidea). — In: ZASLAVSKY V.A. (ed.), *Host-parasite Relations in Insects*: 31-48. not seen
- TRJAPITZIN V.A. (1977): New genera and species of parasitic Hymenoptera of the family Encyrtidae (Hymenoptera: Chalcidoidea). — *Folia Entomologica Hungarica (Series Nova)* **30**/1: 153-166.
- TRJAPITZIN V.A. (1985): *Tremblaya* TRJAPITZIN, nom. n. pro *Silvestria* TRJAPITZIN, 1972 (Insecta, Hymenoptera, Encyrtidae). — *Vestnik Zoologii* **1985**/4: 14.
- TRJAPITZIN V.A. (2008): Review of Encyrtid wasps (Hymenoptera, Chalcidoidea: Encyrtidae) of Macaronesia. — *Entomologicheskoe Obozrenie* **87**/1: 164-184.
- UNIVERSAL CHALCIDOIDEA DATABASE: nhm.ac.uk/our-science/data/chalcidoids/
- VIGGIANI G. (1966): Ricerche sugli Hymenoptera Chalcidoidea VI. Generi e specie nuovi per l'entomofauna italiana (Encyrtidae, Aphelinidae, Mymarommidae). — *Bollettino del Laboratorio di Entomologia Agraria "Filippo Silvestri" Portici* **24**: 84-105.
- VIGGIANI G. (1970): Note su alcuni Cheiloneurini, con considerazioni sui generi *Cheiloneurus* WESTW., *Neoprochiloneurus* VIGG. e *Prochiloneurus* SILV. (Encyrtidae (XIX. Ricerche sugli Hymenoptera Chalcidoidea). — *Bollettino de la Società Entomologia Italiana* **102**/1-2: 64-69.

Author's address: Michael MADL
 Naturhistorisches Museum Wien
 2. Zoologische Abteilung
 Burgring 7
 1010 Vienna, Austria
 E-mail: michael.madl@nhm-wien.ac.at

ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Linzer biologische Beiträge](#)

Jahr/Year: 2023

Band/Volume: [0055_1](#)

Autor(en)/Author(s): Madl Michael

Artikel/Article: [A catalogue of the family Encyrtidae \(Hymenoptera, Chalcidoidea\) of Eritrea 219-239](#)