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A Catalogue of the Cephidae (Cephoidea), Orussidae (Orussoidea), Tenthredinidae (Tenthredinoidea) of the Malagasy Subregion (Hymenoptera, Symphyta)

Michael MADL

Abstract

In the Malagasy subregion three families of Symphyta (Cephidae, Orussidae, Tenthredinidae) are represented. Two species of each family are recorded only from Madagascar.

Key words: Cephidae, Orussidae, Tenthredinidae, Malagasy subregion, catalogue.

Zusammenfassung

Die Symphyta oder Blattwespen sind in der Madagassis mit drei Familien vertreten: Cephidae, Orussidae und Tenthredinidae. Ihr Vorkommen ist auf Madagaskar beschränkt, wo jede Familie mit zwei Arten nachgewiesen ist.

Introduction

The informal hymenopteran group Symphyta or saw flies comprises more than 8.000 species in all zoogeographical regions. In the Malagasy Subregion only three families restricted to Madagascar are represented: Cephidae, Orussidae and Tenthredinidae. Larvae of the family families Cephidae and Tenthredinidae are phytophagous and can cause economic damage. Members of the family Orussidae are rarely collected and unique in their biology. They are parasitoids of wood-boring larvae of Coleoptera and Hymenoptera.

How to use the catalogue

The catalogue is organized alphabetically and not taxonomically. Printing errors are marked with (!).

Abbreviations

biol. biology
cat..... catalogue
descr..... description
distr. distribution
fig. (figs) figure (figures)
pl. plate
tab. table
tax. taxonomy
typ. gen.typus generis

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Annotated Catalogue

Family C e p h i d a e

Subfamily A t h e t o c e p h i n a e

Genus *Athetocephus* BENSON 1935

Description: BENSON 1935: 541.

Typus generis: *Athetocephus madecassus* BENSON 1935.

Distribution: Malagasy Subregion.

Valid species: 2.

***Athetocephus maculatus* BENSON 1935**

Athetocephus maculatus n.sp.: BENSON 1935: 549 (descr. ♂, Madagascar).

Athetocephus maculatus BENSON 1935: KLIMA 1937: 48 (cat.).

Athetocephus maculatus BENSON 1935: BENSON 1946: 105 (cat.).

Athetocephus maculatus BENSON 1935: QUINLAN 1974: 231 (tax., Madagascar).

Athetocephus maculatus BENSON 1935: MUCHE 1981: 243 (key), 244 (tax., descr. ♂, Madagascar).

Athetocephus maculatus BENSON 1935: CHEVIN 1984: 305 (tax., descr. ♂ ♀, Madagascar), 306 (key).

Athetocephus maculatus BENSON 1935: MAGIS & PAULY 2001: 112 (biol., Madagascar).

Distribution: Madagascar: Prov. Toliara: Belanda, Fort-Dauphin, Ifaty.

Endemic.

***Athetocephus madecassus* BENSON 1935**

Athetocephus madecassus n.sp.: BENSON 1935: 538 (fig. 1), 541 (key), 542 (figs 5, 5a), 543 (fig. 8), 546 (fig. 16), 548 (typ. gen., descr. ♂ ♀, fig. 18, Madagascar).

Athetocephus madecassus BENSON 1935: KLIMA 1937: 48 (cat.).

Athetocephus madecassus BENSON 1935: BENSON 1946: 105 (cat.).

Athetocephus madecassus BENSON 1935: PAULIAN 1961: 201 (fig. 77).

Athetocephus madecassus BENSON 1935: QUINLAN 1974: 231 (tax., Madagascar).

Athetocephus madecassus BENSON 1935: MUCHE 1981: 243 (key, tax., descr. ♂ ♀, Madagascar).

Athetocephus madecassus BENSON 1935: CHEVIN 1984: 306 (key, tax., Madagascar).

Athetocephus madecassus BENSON 1935: ABE & SMITH 1991: 11 (cat., typ. gen.).

Athetocephus madecassus BENSON 1935: BASIBUYUK & QUICKE 1997: 1581 (Madagascar).

Distribution: Madagascar: Prov. Antsiranana: Vallée du Sambirano, Nosy Mitsio.

Endemic.

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Family **O r u s s i d a e**

Genus **Chalinus** KONOW 1897

Description: KONOW 1897: 605.

Typus generis: *Oryssus plumicornis* GUÉRIN-MÉNEVILLE 1848.

Distribution: Ethiopian and Palaearctic Region.

Valid species: 1.

Chalinus oberthueri (de SAUSSURE 1890)

Oryssus oberthüri n.sp.: de SAUSSURE 1890: pl. 20 (figs 5, 5a-d, p, t ♀).

Oryssus oberthüri (de SAUSSURE 1892): SCHULZ 1906: 103 (tax.).

Mocsarya oberthuri (!) (de SAUSSURE 1890): BENSON 1935: 7 (tax.).

Mocsarya oberthuri (!) (de SAUSSURE 1890): BENSON 1936: 2 (cat.).

Mocsarya oberthuri (!) (de SAUSSURE 1890): BENSON 1938: 3 (cat.).

Mocsarya oberthüri (de SAUSSURE 1890): GUIGLIA 1945: 91 (tax., cat.).

Oryssus oberthüri de SAUSSURE 1892: PAULIAN 1961: 201 (cat.).

Mocsarya oberthueri (de SAUSSURE 1892): GUIGLIA 1965: 4 (cat.).

Chalinus oberthueri (de SAUSSURE 1890): VILHELMESEN 2001: 367 (cat.), 375 (tax.).

Chalinus oberthueri (de SAUSSURE 1890): VILHELMESEN 2007: 117 (tax.).

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

Endemic. Record is doubtful.

Genus **Leptorussus** BENSON 1955

Description: BENSON 1955: 19.

Typus generis: *Leptorussus africanus* BENSON 1955.

Distribution: Ethiopian Region.

Valid species: 1.

Leptorussus madagascariensis VILHELMESEN 2007

Leptorussus madagascariensis sp.n.: VILHELMESEN 2007: 117 (descr. ♀, Madagascar), 118 (figs A-F, tab. 1: tax.).

D i s t r i b u t i o n : Madagascar: Prov. Toliara: Beza Mahafaly Reserve.

Endemic.

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Family Tenthredinidae

Subfamily Allantinae

Genus *Athalia* LEACH 1817

Description: LEACH 1817: 126.

Typus generis: *Tenthredo spinarum* FABRICIUS 1793.

Distribution: Ethiopian, Oriental and Palaearctic Region.

Valid species: 1.

Athalia malagassa de SAUSSURE 1892

Athalia malagassa n.sp.: de SAUSSURE 1892: pl. 27 (figs 15, 15a, b Madagascar).

Athalia malagassa de SAUSSURE 1892: KONOW 1905: 94 (cat.).

Athalia malagassa de SAUSSURE 1892: SCHULZ 1906: 103 (tax.).

Athalia malagassa de SAUSSURE 1892: KONOW 1908: 164 (key), 166 (tax., descr. ♂ ♀, Madagascar).

Athalia malagassa de SAUSSURE 1892: ENDERLEIN 1919: 355 (Madagascar).

Athalia malagassa de SAUSSURE 1892: FORSIUS 1931: 6 (Madagascar).

Athalia malagassa de SAUSSURE 1892: PAULIAN 1950a: 351 (biol., Madagascar).

Athalia malagassa de SAUSSURE 1892: PAULIAN 1950b: 375 (tax., descr. ♂ ♀ larva, biol., Madagascar), 376 (fig. 19), 377 (figs 20a-e), 378 (figs 21a-e), 379 (figs 22a, b), 380 (figs 23a-h), 381 (fig. 24).

Athalia malagassa de SAUSSURE 1892: PAULIAN 1961: 201 (cat., Madagascar), 360 (tax.), 410.

Athalia malagassa de SAUSSURE 1890: BENSON 1962: 337 (tax., biol., Madagascar), 340 (cat., biol.), 346 (tax., cat.), 368 (key), 370 (cat.).

Athalia malagassa de SAUSSURE: RECKHAUS 1997: 139(tax., descr., biol., Madagascar), 153.9 (figs. 31a, b), 153.10 (fig. 32), 159 (biol.), 262 (biol.), 329 (biol.).

D i s t r i b u t i o n : Madagascar: Prov. Antananarivo: Ambodimanga, surroundings of Antananarivo – Prov. Toliara: Fort Dauphin.

Endemic.

Subfamily Selandriinae

Genus *Dulophanes* KONOW 1907

Description: KONOW 1907: 132.

Typus generis: *Dulophanes morio* KONOW 1907.

Distribution: Ethiopian Region.

Valid species: 1.

***Dulophanes atratus* (ENDERLEIN 1913)**

Phanodules tenuis PASTEELS 1949: PASTEELS 1950: 278 (Madagascar).

D i s t r i b u t i o n : Madagascar: Prov. Antananarivo: Antananarivo.

Known from the Ethiopian Region.

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Notes on *Cibdela janthina* (KLUG 1834) (Argidae)

Cibdela janthina (KLUG 1834) was successfully introduced for biological control of *Rubus alceifolius* POIRET (Rosaceae) into Réunion in 2007 and 2008. The introduction causes a serious economic problem in the honey production. As the political discussion is still going on, *Cibdela janthina* is not included in the catalogue.

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Author's address:

Michael MADL
Internationales Institut für Entomologie
Naturhistorisches Museum
Burgring 7
A-1010 Wien, Austria
E-mail: michael.madl@nhm-wien.ac.at

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Redaktion: Erich DILLER, ZSM, Münchhausenstraße 21, D-81247 München;
Roland GERSTMEIER, Lehrstuhl f. Tierökologie, H.-C.-v.-Carlowitz-Pl. 2, D-85350 Freising
Fritz GUSENLEITNER, Lungitzerstr. 51, A-4222 St. Georgen/Gusen;
Wolfgang SCHACHT, Scherrerstraße 8, D-82296 Schöngesing;
Wolfgang SPEIDEL, MWM, Tengstraße 33, D-80796 München;
Thomas WITT, Tengstraße 33, D-80796 München.

Adresse: Entomofauna, Redaktion und Schriftentausch c/o Museum Witt, Tengstr. 33, 80796 München, Deutschland, E-Mail: thomas@witt-thomas.com; Entomofauna, Redaktion c/o Fritz Gusenleitner, Lungitzerstr. 51, 4222 St. Georgen/Gusen, Austria, E-Mail: f.gusenleitner@landesmuseum.at

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