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Entomofauna

ZEITSCHRIFT FÜR ENTOMOLOGIE

Band 29, Heft 5: 81-92 ISSN 0250-4413 Ansfelden, 30. April 2008

New records of the family Chrysididae (Hymenoptera) from Madagascar

Michael MADL

Abstract

Records of 15 species of the family Chrysididdae are dealt with. A checklist of the Malagasy species is included.

Key words: Chrysididae, Madagascar, checklist new records

Zusammenfassung

Die Funddaten von 15 Arten der Familie Chrysididae werden mitgeteilt. Eine Liste der madagassischen Arten ist beigefügt.

Introduction

Hitherto 35 species in nine genera have been recorded from Madagascar (KIMSEY & BOHART 1990). All species are endemics, but there are no endemic genera in Madagascar. The biology of the Malagasy species is poorly known. According to the previous literature mainly host records are known.

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This paper is based on the material of the Natural History Museum in Vienna. Several specimens are from the Zimmermann-Collection, which is preserved in original boxes according to the will by Dr. Stephan Zimmermann (*27.10.1896 †4.7.1980).

I would like to thank Hofrat Dr. Maximilian Fischer (formerly director of the 2. Zoologische Abteilung of the Natural History Museum in Vienna and curator of the Hymenoptera-Sammlung) for the information about the Zimmermann-Collection.

Material

Chrysidea antiope ZIMMERMANN, 1961

Chrysidea antiope ZIMMERMANN 1961: 308 (descr. ♀, distr.), 309 (fig. 3), 320 (cat.).
Chrysidea antiope ZIMMERMANN, 1961: BOHART 1988: 130 (key), 131 (descr. ♀, distr.).
Chrysidea antiope ZIMMERMANN, 1961: KIMSEY & BOHART 1990: 313 (cat.).
Chrysidea sp.: ZIMMERMANN 1956: 149 (descr., distr.).

D i s t r i b u t i o n including new records: Prov. Toamasina: Andekaleka (Rogez), Moramanga (1 sp.) – Prov. Toliara: Bekily.

Endemic.

Chrysidea bellula (GUÉRIN-MÉNEVILLE, 1842)

Chrysis bellula GUÉRIN-MÉNEVILLE 1842: 149 (descr. ♀, distr.).
Chrysis bellula GUÉRIN-MÉNEVILLE, 1842: MOCSÁRY 1892: 296 (descr. ♀, distr.).
Chrysis bellula GUÉRIN-MÉNEVILLE, 1842: de DALLA TORRE 1892: 46 (cat.).
Chrysis (*Dichrysis*) *bellula* GUÉRIN-MÉNEVILLE, 1842: du BUYSSON 1910: 126 (tax., distr.).
Chrysis bellula GUÉRIN-MÉNEVILLE, 1842: INVREA 1948: 259 (tax.).
Chrysis bellula GUÉRIN-MÉNEVILLE, 1842: INVREA 1955: 64 (tax.), 65 (fig. 1), 67 (descr. ♀, distr.).
Chrysis (*Dichrysis*) *bellula* (GUÉRIN-Méneville, 1842): ZIMMERMANN 1956: 152, 153 (distr.), 160 (cat.).
Chrysis (*Dichrysis*) *bellula* GUÉRIN-MÉNEVILLE, 1842: ZIMMERMANN 1961: 311 (tax., biol., distr.), 320 (cat.).
Chrysidea bellula (GUÉRIN-MÉNEVILLE, 1842): BOHART 1988: 130 (comb., key).
Chrysidea bellula (GUÉRIN-MÉNEVILLE, 1842): BOHART 1988 (In: KIMSEY & BOHART): 313 (tax.).
Chrysidea bellula (GUÉRIN-MÉNEVILLE, 1842): KIMSEY & BOHART 1990: 311 (biol.), 312, (figs 102c,e), 313 (cat.).
Chrysis hova de SAUSSURE 1887: 25 (descr. ♀, distr.).
Chrysis hova de SAUSSURE, 1887: de SAUSSURE 1890: pl. 12 (fig. 23).
Chrysis hova de SAUSSURE, 1887: de DALLA TORRE 1892: 65 (cat.).
Chrysis hova de SAUSSURE, 1887: du BUYSSON 1898b: 525 (descr. ♂, distr.).
Chrysis hova de SAUSSURE, 1887: du BUYSSON 1898a: 133 (distr.).
Chrysis hova de SAUSSURE, 1887: du BUYSSON 1910: 126 (syn.).
Chrysis (*Dichrysis*) *hova* (de SAUSSURE, 1887): BISCHOFF 1910: 457 (distr.).
Chrysis hova de SAUSSURE, 1887: BISCHOFF 1913: 45 (cat.), pl. 5.
Chrysis hova de SAUSSURE, 1887: ZIMMERMANN 1956: 313 (syn.).
Chrysis (*Dichrysis*) *friederichsi* von SCHULTHEß 1918: 98 (descr. ♂, figs 2, 3; distr.).
Chrysis friederichsi von SCHULTHEß, 1918: FRIEDERICHS 1919: 30 (biol., distr.).

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Chrysis friederichsi von SCHULTHEß, 1918: von SCHULTHEß 1919: 50 (distr.).
Chrysis (*Dichrysis*) *friederichsi* von SCHULTHEß, 1918: ZIMMERMANN 1956: 160 (cat.), 163.
Chrysis (*Dichrysis*) *friederichsi* von SCHULTHEß, 1918: ZIMMERMANN 1961: 320 (cat.).
Chrysis (*Dichrysis*) *friederichsi* von SCHULTHEß, 1918: KIMSEY & BOHART 1990: 313 (syn.).

H o s t s : Sphecidae: *Chalybion madecassum* (GRIBODO, 1882), *Sceliphron fuscum* KLUG, 1801.

D i s t r i b u t i o n including new records: Prov. Antsiranana: Antsiranana – Prov. Mahajanga: Ankarafantsika (Bevazaha 1 sp.) – Prov. Antananarivo: Ambatolampy, Antalata, Antananarivo, Ivato (1 sp. 7.10.1994 leg. M. Madl.) – Prov. Toamasina: Andasibe (Perinet), Andekaleka (Rogez), Maroantsetra, Toamasina – Prov. Fianarantsoa: Ambalavao, Ihosy – Prov. Toliara: Antsakoamadinka (near Miandrivazo), Baie de Saint Augustin (Onilahy-Tal 2 sp. 3.10.1996 leg. M. Madl), Behara, Bekily, Miandrivazo.

Endemic.

Chrysidea bicallosa (du BUYSSON, 1900)

Chrysogona bicallosa du BUYSSON 1900: 131 (descr. ♂, distr.).
Chrysogona bicallosa du BUYSSON, 1900: du BUYSSON 1910: 125 (key, cat.).
Chrysidea bicallosa (du BUYSSON, 1900): BISCHOFF 1913: 35 (comb., cat.).
Chrysidea bicallosa (du BUYSSON, 1910): ZIMMERMANN 1956: 148 (distr.), 160 (cat.).
Chrysidea bicallosa du BUYSSON, 1910: ZIMMERMANN 1961: 306 (biol., distr.), 319 (cat.).
Chrysidea bicallosa (du BUYSSON, 1900): BOHART 1988: 130 (key).
Chrysidea bicallosa (du BUYSSON, 1900): KIMSEY & BOHART 1990: 313 (cat.).

D i s t r i b u t i o n including new records: Prov. Antsiranana: Nosy Be – Prov. Mahajanga: Katsepy (1 sp. 30.5.-3.6.1995 leg. M. Madl) – Prov. Antananarivo: Antananarivo – Prov. Toamasina: Baie d'Antongil, Ivondro, Nosy Boraha (= Sainte Marie: entlang Fluß Manandriana 1 sp. 7.-8.6.1995 leg. M. Madl) – Prov. Fianarantsoa: 27 km N Ambositra (Antsirabe-Ambositra, Flußufer 1 sp. 23.10.2001 leg. M. Madl) – Prov. Toliara: Antanimora, Baie de Saint Augustin (Onilahy-Tal 2 sp. 3.10.1996 leg. M. Madl), Behara, Bekily, Beraketa, Betroka, Fort-Dauphin, Ranomafana.

Endemic.

Chrysidea phoebe ZIMMERMANN, 1956

Chrysidea phoebe ZIMMERMANN 1956: 151 (descr. ♀, distr.), 160 (cat.), 320 (cat.).
Chrysidea phoebe ZIMMERMANN, 1956: BOHART 1988: 130 (key).
Chrysidea phoebe ZIMMERMANN, 1956: KIMSEY & BOHART 1990: 314 (cat.).

D i s t r i b u t i o n including new records: Prov. Toliara: Behara (1 sp. I.1938 leg. A. Seyrig), Bekily.

Endemic.

Chrysidea phragmaticola ZIMMERMANN, 1961

Chrysidea phragmaticola ZIMMERMANN 1961: 306 (descr. ♀, distr.), 308 (tax.), 320 (cat.).
Chrysidea phragmaticola ZIMMERMANN, 1961: BOHART 1988: 130 (key).
Chrysidea phragmaticola ZIMMERMANN, 1961: KIMSEY & BOHART 1990: 314 (cat.).

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D i s t r i b u t i o n including new records: Prov. Toamasina: Ivondro – Prov. Toliara: Antanimora, Bekily, Ranomafana, Sakavondro (40 m 1 sp. VI.1957 leg. J.A. Robinson).

Endemic.

Chrysidea rhodopis ZIMMERMANN, 1961

Chrysidea rhodopis ZIMMERMANN 1961: 307 (descr. ♀, distr.), 320 (cat.).
Chrysidea rhodopis ZIMMERMANN, 1961: BOHART 1988: 130 (key).
Chrysidea rhodopis ZIMMERMANN, 1961: KIMSEY & BOHART 1990: 314 (cat.).

D i s t r i b u t i o n including new records: Prov. Mahajanga: Katsepy (2 sp. 17.-28.12.1993 leg. M. Madl) – Prov. Antananarivo: Antananarivo, Antsirabe (1 sp. XI.1936 leg. A. Seyrig) – Prov. Toliara: Baie de Saint Augustin (Onilahy-Tal 1 sp. 3.10.1996 leg. M. Madl), Bekily.

Endemic.

Chrysidea zimmermanni BOHART, 1988

Chrysidea zimmermanni BOHART 1988: 130 (key), 131 (descr., distr.).
Chrysidea zimmermanni BOHART, 1988: KIMSEY & BOHART 1990: 314 (cat.).

D i s t r i b u t i o n including new records: without locality – Prov. Mahajanga: Katsepy (1 sp. 17.-28.12.1993 leg. M. Madl).

Endemic.

Chrysis adonis ZIMMERMANN, 1956

Chrysis (*Tetrachrysis*) *adonis* ZIMMERMANN 1956: 153 (descr. ♂♀, distr.), 154 (fig. 5), 160 (cat.), 163.
Chrysis (*Tetrachrysis*) *adonis* ZIMMERMANN, 1956: ZIMMERMANN 1961: 311 (biol., distr.), 320 (cat.).
Tetrachrysis adonis ZIMMERMANN, 1956: KIMSEY 1986: 109 (tax.).
Chrysis adonis ZIMMERMANN, 1956: KIMSEY & BOHART 1990: 379 (cat.).

H o s t s : Crabronidae: *Tachysphex* sp.

D i s t r i b u t i o n including new records: Prov. Antananarivo: Antananarivo, Antsirabe, Massif de l'Ankaratra – Prov. Toamasina: Andekaleka (= Rogez, 1 sp. with mud cell VI.1944 leg. A. Seyrig) – Prov. Toliara: Behara, Bekily, Beraketa, Fort-Dauphin.

Endemic.

Chrysis audouinii BLANCHARD, 1840

Chrysis audouinii BLANCHARD 1840: 295 (descr. (♂), distr.).
Chrysis audouinii BLANCHARD, 1840: BRULLÉ 1846: 27 (descr. ♂, distr.).
Chrysis audouinii BLANCHARD, 1840: MOCSÁRY 1889: 540 (descr. ♂, distr.).
Chrysis audouini (!) BLANCHARD, 1840: de SAUSSURE 1890: pl. 12 (fig. 26).
Chrysis audouinii BLANCHARD, 1840: de DALLA TORRE 1892: 45 (cat.).
Chrysis (*Hexachrysis*) *audouini* BLANCHARD, 1840: du BUYSSON 1910: 128 (key), 129 (tax., biol., distr.).

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Chrysis audouini BLANCHARD, 1840: BISCHOFF 1913: 64 (cat.).
Chrysis (*Hexachrysis*) *a. audouinii* BLANCHARD, 1840: ZIMMERMANN 1956: 157 (tax., descr. ♂♀, distr.), 161 (cat.), 163.
Chrysis (*Hexachrysis*) *audouinii* BLANCHARD, 1840: ZIMMERMANN 1961: 314 (tax., biol., distr.), 320 (cat.).
Chrysis audouinii BLANCHARD, 1840: KIMSEY & BOHART 1990: 386 (cat.).
Chrysis (*Hexachrysis*) *audouini major* n. var.: du BUYSSON 1910: 130 (descr. ♀, distr.).
Chrysis audouini major du BUYSSON, 1910: BISCHOFF 1913: 64 (cat.).
Chrysis audouinii var. *major* du BUYSSON, 1910: ZIMMERMANN 1956: 157 (syn.).
Chrysis chrysina de SAUSSURE 1887: 26 (descr. ♀, distr.).
Chrysis chrysina de SAUSSURE, 1887: de SAUSSURE 1890: pl. 12 (fig. 25).
Chrysis chrysina de SAUSSURE, 1887: de DALLA TORRE 1892: 50 (cat.).
Chrysis chrysina de SAUSSURE, 1890: MOSCARY 1908: 261 (distr.).
Chrysis chrysina de SAUSSURE, 1890: du BUYSSON 1910: 129 (syn.).
Chrysis semiaurata BRULLÉ 1846: 28 (descr. ♀ (= ♂), distr.).
Chrysis semiaurata BRULLÉ, 1846: MOCSÁRY 1889: 589 (tax., descr. ♂, distr.).
Chrysis semiaurata BRULLÉ, 1846: de SAUSSURE 1890: pl. 12 (fig. 24).
Chrysis semiaurata BRULLÉ, 1846: de DALLA TORRE 1892: 94 (cat.).
Chrysis semiaurata BRULLE, 1846: du BUYSSON 1898a: 143 (descr. ♂, distr.).
Chrysis semiaurata BRULLE, 1846: du BUYSSON 1898b: 571 (descr. ♂, distr.).
Chrysis semiaurata BRULLÉ, 1846: du BUYSSON 1900: 153 (distr.).
Chrysis semiaurata BRULLÉ, 1846: du BUYSSON 1904: 272 (distr.).
Chrysis semiaurata BRULLÉ, 1846: du BUYSSON 1907: 106 (biol., distr.).
Chrysis semiaurata BRULLÉ, 1846: du BUYSSON 1910: 129 (syn.).
Chrysis semiaurata BRULLÉ, 1846: BISCHOFF 1913: 67 (stat., cat.).
Chrysis semiaurata BRULLÉ, 1846: ZIMMERMANN 1956: 161 (syn.).

H o s t s : Vespidae: *Anterhynchium andreanum* (de SAUSSURE 1890), *Delta emarginatum* (LINNAEUS, 1758), *D. reginum* (de SAUSSURE, 1852), *Odynerus* sp.

D i s t r i b u t i o n including new records: Prov. Antsiranana: Antsiranana, Mahilaka (1 sp. 1.1952 leg. H. & K. Krauss), Nosy Be – Prov. Mahajanga: Ambato-Boeni, Amborovy, Mahajanga – Prov. Antananarivo: Ambatolampy, Andrangoloaka, Antananarivo, La Mandraka (1 sp. XII.1944 leg. Abadie) – Prov. Toamasina: Analandravaka (1 sp. 26.V.1936 leg. A. Seyrig) Andasibe (Perinet), Andekaleka (Rogez), Ivondro, Maroantsetra, Route d'Ambatotondrazaka, Toamasina, Nosy Boraha (Sainte Marie) – Prov. Fianarantsoa: Ambositra, Fianarantsoa, Ihosy, Ikongo (Ankarimbelo, Foret de Tanala) – Prov. Toliara: Andohahelo (1800 m 1 sp. 3.1956 leg. R. Paulian), Antanimora, Antsakoamandika, Bas Mangoky, Behara, Bekily, Beraketa, S Ejeda, Mahabo, Miandrivazo, Ranomafana, Flußtal 8 km vor Sakaraha (Toliara-Sakaraha, 3♀♀ 22.10.1996 leg. M. Madl), Toliara.

Endemic.

Chrysis gheudei GUERIN-MENEVILLE, 1842

Chrysis (*Pyria*) *gheudei* GUÉRIN-MÉNEVILLE 1842: 145 (descr. ♂, distr.).
Chrysis gueudei (sic) (GUÉRIN-MÉNEVILLE, 1842): DAHLBOM 1854: XIV, 343 (comb., descr., distr.), 345.
Chrysis gueudei SPINOLA (sic): DAHLBOM 1854: tab. 298 (key).
Pyria gheudei (GUÉRIN-MÉNEVILLE, 1842): SMITH 1874: 466 (comb., cat.).

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Chrysis gheudei (GUÉRIN-MÉNEVILLE, 1842): MOCSÁRY 1889: 586 (comb., descr. ♂, distr.).
Chrysis gheudii (!) GUÉRIN-MÉNEVILLE, 1842: de DALLA TORRE 1892: 64 (cat.).
Chrysis gheudei GUÉRIN-MÉNEVILLE, 1842: du BUYSSON 1898b: 542 (distr.).
Chrysis (*Hexachrysis*) *gheudei* GUÉRIN-MÉNEVILLE, 1842: du BUYSSON 1910: 129 (key), 132 (tax., distr.).
Chrysis gheudei GUÉRIN-MÉNEVILLE, 1842: BISCHOFF 1913: 65 (cat.).
Chrysis gheudei GUÉRIN-MÉNEVILLE, 1842: FRIEDERICHS 1919: 30 (biol., distr.), 32 (biol.), pl. 1.
Chrysis gheudei GUÉRIN-MÉNEVILLE, 1842: von SCHULTHEß 1919: 50 (distr.).
Chrysis (*Pyria*) *gheudei* GUÉRIN-MÉNEVILLE, 1842: INVREA 1948: 255 (tax.).
Chrysis (*Hexachrysis*) *gheudei* GUÉRIN-MÉNEVILLE, 1842: ZIMMERMANN 1956: 155 (tax., distr.), 156 (fig. 6), 160 (cat.), 163, 164.
Chrysis (*Hexachrysis*) *gheudei* GUÉRIN-MÉNEVILLE, 1842: ZIMMERMANN 1961: 313 (biol., distr.), 314 (tax.), 320 (cat.).
Chrysis gheudei GUÉRIN-MÉNEVILLE, 1842: KIMSEY & BOHART 1990: 352 (tax.), 414 (cat.).
Chrysis (*Pyria*) *bispilota* GUÉRIN-MÉNEVILLE 1842: 145 (descr. ♀, Distr.).
Pyria bispilota GUÉRIN-MÉNEVILLE, 1842: SMITH 1874: 466 (comb., cat.).
Chrysis bispilota GUÉRIN-MÉNEVILLE, 1842: MOCSÁRY 1889: 583 (tax., descr. ♂ ♀, distr.).
Chrysis bispilota GUÉRIN-MÉNEVILLE, 1842: de DALLA TORRE 1892: 47 (comb., cat.).
Chrysis bispilota GUERIN-MÉNEVILLE, 1842: du BUYSSON 1898a: 143 (biol., distr.).
Chrysis bispilota GUÉRIN-MÉNEVILLE, 1842: du BUYSSON 1898b: 542 (distr.).
Chrysis bispilota GUÉRIN-MÉNEVILLE, 1842: du BUYSSON 1900: 154 (distr.).
Chrysis (*Hexachrysis*) *bispilota* GUÉRIN-MÉNEVILLE, 1842: du BUYSSON 1910: 128 (key), 131 (tax., distr.).
Chrysis (*Hexachrysis*) *bispilota* GUÉRIN-MÉNEVILLE, 1842: BISCHOFF 1910: 492 (distr.).
Chrysis bispilota GUÉRIN-MÉNEVILLE, 1842: BISCHOFF 1913: 64 (cat.).
Chrysis bispilota GUÉRIN-MÉNEVILLE, 1842: von SCHULTHEß 1919: 50 (distr.).
Chrysis (*Pyria*) *bispilota* GUÉRIN-MÉNEVILLE, 1842: INVREA 1948: 255 (tax.).
Chrysis bispilota GUÉRIN-MÉNEVILLE, 1842: ZIMMERMANN 1956: 155 (syn.).
Pyria plurimacula BRULLÉ 1846: 22 (descr. ♂ (= ♀), distr.).
Pyria plurimacula BRULLÉ, 1846: SMITH 1874: 465 (cat.).
Pyria plurimacula BRULLÉ, 1846: MOSCÀRY 1889: 583 (syn. of *C. bispilota*).
Pyria plurimacula BRULLÉ, 1846: de SAUSSURE 1890: pl. 12 (stat., fig. 21).
Pyria plurimacula BRULLÉ, 1846: du BUYSSON 1898b: 583 (syn. of *C. bispilota*).
Chrysis plurimacula BRULLÉ, 1846: BISCHOFF 1913: 64, 67 (stat., cat.).
Pyria plurimacula BRULLÉ, 1846: ZIMMERMANN 1956: 155 (syn.).
Pyria polystigma du BUYSSON 1887: 199 (descr. ♂ (= ♀), distr.).
Pyria polystigma du BUYSSON, 1887: du BUYSSON 1888: 7 (tax., distr.).
Pyria polystigma du BUYSSON, 1887: MOSCÀRY 1889: 583 (syn. of *C. bispilota*).
Chrysis (*Hexachrysis*) *polystigma* (du BUYSSON 1887): du BUYSSON 1891: 46 (comb., tax.).
Chrysis polystigma (du BUYSSON, 1887): du BUYSSON 1898b: 543 (distr.).
Chrysis (*Hexachrysis*) *bispilota* var. *polystigma* du BUYSSON, 1887: du BUYSSON 1910: 131 (stat., distr.).
Chrysis polystigma (du BUYSSON, 1887): BISCHOFF 1913: 64, 67 (stat., cat.).
Chrysis (*Hexachrysis*) *gheudei* var. *polystigma* (du BUYSSON, 1887): ZIMMERMANN 1956: 156 (stat., tax.), 161 (cat.).
Chrysis (*Hexachrysis*) *polystigma* (du BUYSSON, 1887): ZIMMERMANN 1961: 313 (stat., tax., distr.), 320 (cat.).
Pyria polystigma du BUYSSON, 1887: KIMSEY & BOHART 1990: 414 (syn.).
Pyria sakalava de SAUSSURE 1887: 26 (descr. ♀ (= ♂), distr.).
Chrysis sakalava (de SAUSSURE, 1887): de DALLA TORRE 1892: 92 (comb., cat.).
Chrysis sakalava de SAUSSURE, 1887: du BUYSSON 1910: 132 (syn.).

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H o s t s : Vespidae: *Delta reginum* (de SAUSSURE, 1852) – Sphecidae: *Sceliphron fuscum* KLUG, 1801.

D i s t r i b u t i o n including new records: Prov. Antsiranana: Ambanja, Ambilobe, Analalava, Analamerana (80 m, 1 sp. I.1959 leg. Andria), Antsiranana, Reserve Naturelle 12 Marojejy (Ambatosoratra, 1700 m, 1 sp. XI.1960 leg. P. Soga), Sakaramy, Vallée du Sambirano, Nosy Be – Prov. Mahajanga: Ambato-Boeni, Katsepy (3♀♀ 17.-28.12.1993 leg. M. Madl), Morafenobe – Prov. Antananarivo: Ampefy, Andranofotsy, Andronobe, Ankazobe, Antananarivo, Antsirabe – Prov. Toamasina: Andasibe, Andekaleka, Anosibe, Fenoarivo, Imerimandroso, Makaraingo, Manambato, Mananara, Maroantsetra, Moramanga, Route d'Ambatondrazaka, Toamasina, Nosy Boraha (= Sainte Marie; Atafana-Bucht 1♀ 14.-26.11.1994 leg. Madl; Fluß Manandriana 1♀ 14.-25.11.1994 leg. M. Madl) – Prov. Fianarantsoa: Fianarantsoa, Ihosy, Ikongo, Ikongo (Ankarimbelo, Foret de Tanala) – Prov. Toliara: Ambovombe, Andrahomana, Ankazoabo, Antanimora, Antsakoamadinka (par Miandrivazo), Bas Mangoky, Behara, Bekily, Beraketa, Fort-Dauphin, Mahabo, Mandromodronata, Ranomafana, Sakaraha (Fiheranana 1 sp. 25.2.1947 leg. Abadie), Sakavondro, Sept Lacs, Toliara, Tsihombe, Tsivory, Vangaindrano.

Endemic.

The record from Réunion is probably a misidentification of *Chrysis lincea* FABRICIUS.

Chrysis grandidieri (de SAUSSURE, 1887)

Chrysaspis grandidieri de SAUSSURE 1887: 25 (typ. gen., descr. (♀), distr.).
Chrysaspis grandidieri de SAUSSURE, 1887: de SAUSSURE 1890: pl. 12 (fig. 22).
Chrysaspis grandidieri de SAUSSURE, 1887: de DALLA TORRE 1892: 40 (cat.).
Chrysis (*Hexachrysis*) *grandidieri* de SAUSSURE, 1887: du BUYSSON 1910: 128 (key), 129 (comb., tax., Distr.).
Chrysis grandidieri (de SAUSSURE, 1887): BISCHOFF 1913: 65 (cat.).
Chrysis (*Hexachrysis*) *grandidieri* de SAUSSURE, 1887: ZIMMERMANN 1956: 157, 159 (tax., distr.), 161 (cat.), 163, 164.
Chrysis (*Hexachrysis*) *grandidieri* de SAUSSURE, 1887: ZIMMERMANN 1961: 315 (tax., distr.), 320 (cat.).
Chrysis grandidieri (de SAUSSURE, 1887): KIMSEY & BOHART 1990: 415 (tax., cat.).
Chrysis alluaudi du BUYSSON 1904: 272 (descr. ♀, distr.).
Chrysis alluaudi du BUYSSON, 1904: du BUYSSON 1910: 129 (syn.).
Chrysis alluaudi du BUYSSON, 1904: BISCHOFF 1913: 63 (stat., cat.).
Chrysis alluaudi du BUYSSON, 1904: ZIMMERMANN 1956: 159 (syn.).

D i s t r i b u t i o n including new records: Prov. Antsiranana: Antsiranana, Ifasy-Ambilobe – Prov. Mahajanga: Mahajanga – Prov. Toliara: Ambovombe (1 sp), Antsakoamandika (par Miandrivazo), Behara, Bekily, Tsivory.

Endemic.

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Chrysis mesocyanea MOSCÁRY, 1902

Chrysis (*Hexachrysis*) *mesocyanea* MOSCÁRY 1902: 346 (descr. ♀, distr.).
Chrysis (*Hexachrysis*) *audouini mesocyanea* MOCSÁRY, 1902: DU BUYSSON 1910: 128 (key), 131 (stat., tax., distr.).
Chrysis audouini mesocyanea MOCSÁRY, 1902: BISCHOFF 1913: 64 (cat.).
Chrysis (*Hexachrysis*) *audouini* ssp. *mesocyanea* MOCSÁRY, 1902: ZIMMERMANN 1956: 157, 158 (stat., tax., distr.), 161 (cat.).
Chrysis (*Hexachrysis*) *mesocyanea* MOSCÁRY, 1902: ZIMMERMANN 1961: 314, 315 (stat., tax., biol., distr.), 320 (cat.).
Chrysis mesocyanea MOSCÁRY, 1902: KIMSEY & BOHART 1990: 438 (cat.).

H o s t s : Vespidae: *Odynerus* sp.

D i s t r i b u t i o n including new records: Prov. Antsiranana: Haut Sambirano (1000 m, foret, 1 sp. X.1949 leg. R. Paulian) – Prov. Mahajanga: Ankarafantsika – Prov. Antananarivo: Andrangoloaka – Prov. Toamasina: Andekaleka – Prov. Fianarantsoa: Ambalamanakana, Ambalavao, Fianarantsoa – Prov. Toliara: Baie de Saint Augustin (Onilahy-Fluß 1 sp. 3.10.1996 leg. M. Madl), Behara, Bekily, Beloha (1 sp. 27.4.1969 leg. H. Franz), Fort-Dauphin, Tsivory.

Endemic.

Chrysis robillardi de SAUSSURE, 1890

Chrysis robillardi de SAUSSURE 1890: pl. 12 ([♀], fig. 27, distr.).
Chrysis robillardi de SAUSSURE, 1890: du BUYSSON 1900: 153 (distr.).
Chrysis (Tetrachrysis) robillardi de SAUSSURE 1890: du BUYSSON 1910: 127 (key, tax., distr.).
Chrysis robillardi de SAUSSURE, 1890: BISCHOFF 1913: 58 (cat.).
Chrysis (*Tetrachrysis*) *robillardi* de SAUSSURE, 1890: ZIMMERMANN 1956: 155 (distr.), 160 (cat.), 163.
Chrysis (*Tetrachrysis*) *robillardi* de SAUSSURE, 1890: ZIMMERMANN 1961: 313 (biol., distr.), 320 (cat.).
Chrysis robillardi de SAUSSURE, 1890: KIMSEY & BOHART 1990: 342 (tax.), 457 (tax., cat.).
Chrysis admissa du BUYSSON 1898a: 137 (descr. ♂, distr.).
Chrysis admissa du BUYSSON, 1898: du BUYSSON 1910: 125 (syn.).

H o s t s : Apidae: Megachilinae: *Megachile* sp.

D i s t r i b u t i o n including new records: Prov. Mahajanga: Ambato-Boeni, Bongolava, Katsepy (1♀ 30.5.-3.6.1995 leg. M. Madl), Marovoay, Tsaramandroso – Prov. Antananarivo: Antananarivo, Antsirabe – Prov. Toamasina: Maroantsetra, Soanierana-Ivongo, Nosy Boraha (=Sainte Marie: Ambatorao-Phare Albrand 1♀ 19.10.1992 leg. M. Madl) – Prov. Fianarantsoa: Ranohira – Prov. Toliara: Befasy, Behara, Bekily, Fort-Dauphin, Sakaraha.

Endemic.

Parnopes madecassus de SAUSSURE, 1887

Parnopes madecassa de SAUSSURE 1887: 26 (descr. ♂, distr.).
Parnopes madecassa de SAUSSURE, 1887: de SAUSSURE 1890: pl. 12 (fig. 28, Madagascar).
Parnopes madecassus de SAUSSURE, 1887: de DALLA TORRE 1892: 112 (cat.).

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Parnopes madecassa de SAUSSURE, 1887: du BUYSSON 1898a: 146 (distr.), pl. 1 (fig. 19).
Parnopes madecassa de SAUSSURE, 1887: du BUYSSON 1910: 133 (tax., distr.).
Parnopes madecassa de SAUSSURE, 1892: BISCHOFF 1913: 33 (cat.).
Parnopes madecassa de SAUSSURE, 1887: ZIMMERMANN 1956: 160 (cat.).
Parnopes madecassus de SAUSSURE, 1887: ZIMMERMANN 1961: 306 (biol., distr.), 319 (cat.).
Parnopes madecassus de SAUSSURE, 1887: KIMSEY & BOHART 1990: 586 (cat.).
Parnopes imberba du BUYSSON 1906: 112 (descr. ♀, distr.).
Parnopes imberba du BUYSSON, 1906: du BUYSSON 1910: 133 (syn.).
Parnopes imberba du BUYSSON, 1906: BISCHOFF 1913: 33 (stat., cat.).
Parnopes imberba du BUYSSON, 1906: ZIMMERMANN 1961: 319 (syn.).

H o s t s : Crabronidae: *Bembix madecassa* de SAUSSURE, 1890.

D i s t r i b u t i o n including new records: Prov. Mahajanga: Ankarafantsika, Katsepy (1 sp. 17.-28.12.1993 leg. M. Madl) – Prov. Antananarivo: Antananarivo – Prov. Toamasina: Toamasina – Prov. Toliara: Behara, Bekily, Flußtal 9 km vor Sakaraha (Toliara-Sakaraha, 1 sp. 22.-25.5.1998 leg. M. Madl).

Endemic.

Stilbum viride GUÉRIN-MÉNEVILLE, 1842

Stilbum viride GUÉRIN-MÉNEVILLE 1842: 144 (descr. ♀, distr.).
Stilbum viride GUÉRIN-MÉNEVILLE, 1842: BRULLÉ 1846: 16 (tax., distr.).
Stilbum viride GUÉRIN-MÉNEVILLE, 1842: SMITH 1874: 467, 470 (tax., cat., distr.).
Stilbum viride GUÉRIN-MÉNEVILLE, 1842: MOCSÁRY 1889: 193 (descr. ♂ ♀, distr.).
Stilbum viride GUÉRIN-MÉNEVILLE, 1842: de DALLA TORRE 1892: 40 (cat.).
Stilbum viride GUÉRIN-MÉNEVILLE, 1842: du BUYSSON 1898b: 545 (distr.), 572 (distr.).
Stilbum viride GUÉRIN-MÉNEVILLE, 1842: du BUYSSON 1910: 133 (key, distr.).
Stilbum viride GUÉRIN-MÉNEVILLE, 1842: BISCHOFF 1910: 449 (distr.).
Stilbum viride GUÉRIN-MÉNEVILLE, 1842: BISCHOFF 1913: 27 (cat.).
Stilbum viride GUÉRIN-MÉNEVILLE, 1842: FRIEDERICHS 1919: 30 (biol., distr.), 37 (biol.), pl. 1.
Stilbum viride GUÉRIN-MÉNEVILLE, 1842: von SCHULTHEß1919: 49 (distr.).
Stilbum viride GUÉRIN-MÉNEVILLE, 1842: ZIMMERMANN 1937: 647 (distr.), 648 (tax., fig. 2), 652 (map).
Stilbum viride GUÉRIN-MÉNEVILLE, 1842: INVREA 1948: 254 (tax.).
Stilbum viride GUÉRIN-MÉNEVILLE, 1842: ZIMMERMANN 1956: 148 (distr.), 156, 160 (cat.), 164.
Stilbum viride GUÉRIN-MÉNEVILLE, 1842: ZIMMERMANN 1961: 305 (biol., distr.), 319 (cat.).
Stilbum viride GUÉRIN-MÉNEVILLE, 1842: KIMSEY & BOHART 1990: 566 (fig.), 568 (cat.).
Stilbum amethystinum (FABRICIUS, 1775): SMITH 1874: 467 (cat.).
Stilbum cyanurum amethystinum (FABRICIUS, 1775): FRIESE 1900: 268 (distr.).
Stilbum splendidum amethystinum (FABRICIUS, 1775): du BUYSSON 1910: 133 (distr.).
Stilbum splendidum (FABRICIUS, 1775): du BUYSSON 1898b: 543 (distr.).
Stilbum splendidum (FABRICIUS, 1775): du BUYSSON 1910: 132 (key), 133 (distr.).

H o s t s : Vespidae: *Delta emarginatum* (LINNAEUS, 1758), *D. reginum* (de SAUSSURE, 1852), ? *Odynerus* sp. – Sphecidae: *Sceliphron fuscum* KLUG, 1801.

D i s t r i b u t i o n including new records: Distr.: Prov. Antsiranana: Antsiranana, Ambanja, Ambato-Boeni, Ambilobe, Montagne d'Ambre, Vallée du Sambirano, Nosy Be, Nosy Komba – Prov. Mahajanga: Amborovy, Antsingy de Bemaraha, Katsepy (1 ♀ 30.5.-3. 6.1995 leg. M. Madl), Maevatanana, Tsaramandroso – Prov. Antananarivo:

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Ambohitantely, Analavory (Geysire 1 sp. 4.11.2001 leg. M. Madl), Antalata, Antananarivo, Antsirabe, Mandraka, Manjakatompo – Prov. Toamasina: Andekaleka, Anosibe, Fenoarivo, Ivondro, Maroantsetra, Soanierana-Ivongo, Toamasina – Prov. Fianarantsoa: Ambalavao, Ambatofinandrahana, Ambositra, Ihosy, Ikongo, Massif de l'Isalo, Ranohira, Site Naturel Analanja (3 sp. 25.10.2001 leg. M. Madl) – Prov. Toliara: Ambovombe, Ankazoabo, Antanimora, Antsakoamandika (par Miandrivazo), Bas Mangoky, Behara, Bekily, Beraketa, Fort-Dauphin, Inamombo, Lambomakandro, Ranopiso, Sakaraha, Flußtal 9 km vor Sakaraha (Toliara-Sakaraha, 1 sp. 15.-18.5.1997, 2 sp. 22.-25.5.1998 leg. M. Madl), Vallée de Ranofotsy.

Endemic.

Checklist

Chrysidea agnata (ZIMMERMANN, 1956)
Chrysidea antiope ZIMMERMANN, 1961
Chrysidea aurata (BISCHOFF, 1910)
Chrysidea bellula (GUÉRIN-MÉNEVILLE, 1842)
Chrysidea bicallosa (du BUYSSON, 1900)
Chrysidea brooksi BOHART, 1988
Chrysidea bucculenta (MOCSÁRY, 1908)
Chrysidea dido ZIMMERMANN, 1956
Chrysidea phoebe ZIMMERMANN, 1956
Chrysidea phragmaticola ZIMMERMANN, 1961
Chrysidea pumiloides ZIMMERMANN, 1956
Chrysidea rhodopis ZIMMERMANN, 1961
Chrysidea zimmermanni BOHART, 1988
Chrysis adonis ZIMMERMANN, 1956
Chrysis audouinii BLANCHARD, 1840
Chrysis gheudei GUERIN-MENEVILLE, 1842
Chrysis grandidieri (de SAUSSURE, 1887)
Chrysis madecassa MOCSÁRY, 1908
Chrysis mesocyanea MOSCÁRY, 1902
Chrysis mouattii GUÉRIN-MÉNEVILLE, 1842
Chrysis robillardi de SAUSSURE, 1890
Chrysis tibiarum ZIMMERMANN, 1961
Elampus madacassus (ZIMMERMANN, 1961)
Hedychridium benoiti ZIMMERMANN, 1956
Hedychridium lemoulti du BUYSSON, 1910
Hedychridium malagassum de BUYSSON, 1910
Hedychridium seyrigi ZIMMERMANN, 1956
Hedychrum alluaudi du BUYSSON, 1904
Hedychrum ankaratrae ZIMMERMANN, 1961
Hedychrum insulare MOCSÁRY, 1908
Hedychrum mucronatum ZIMMERMANN, 1956
Holophris kalliopsis ZIMMERMANN, 1961
Holopyga scutellaris ZIMMERMANN, 1956
Parnopes madecassus de SAUSSURE, 1887
Stilbum viride GUÉRIN-MÉNEVILLE, 1842

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

Druck, Eigentümer, Herausgeber, Verleger und für den Inhalt verantwortlich:
Maximilian SCHWARZ, Konsulent f. Wissenschaft der Oberösterreichischen Landesregierung, Eibenweg 6, A-4052 Ansfelden, E-Mail: maximilian.schwarz@liwest.at.

Redaktion: Erich DILLER, ZSM, Münchhausenstraße 21, D-81247 München;
Fritz GUSENLEITNER, Lungitzerstr. 51, A-4222 St. Georgen/Gusen;
Wolfgang SCHACHT, Scherrerstraße 8, D-82296 Schöngeising;
Johannes SCHUBERTH, Mannertstraße 15, D-80997 München;
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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Digitale Literatur/Digital Literature

Zeitschrift/Journal: Entomofauna

Jahr/Year: 2008

Band/Volume: 0029

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

Artikel/Article: New records of the family Chrysididae (Hymenoptera) from Madagascar 81-92