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A catalogue of the Chrysididae (Hymenoptera, Chrysidoidea) of Gabon

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A b s t r a c t : The family Chrysididae is represented by 14 species of the subfamily Chrysidinae. The genus *Chrysis* LINNAEUS, 1761 is known by seven species and *Hedychrum* LATREILLE, 1802 by two species. The genera *Holophris* MOCSÁRY, 1890, *Praestochryis* LINSENMAIER, 1959, *Primeuchroeus* LINSENMAIER, 1968, *Stilbum* SPINOLA, 1806 and *Trichrysis* LINSENMAIER, 1968 are each represented by one species.

K e y w o r d s : Chrysididae, Chrysidinae, Chrysidini, Elampini, catalogue, Gabon

Introduction

MADL & ROSA (2012) recorded 13 species of the family Chrysididae from Gabon. The species belong to the tribes Chrysidini (genera *Chrysis* LINNAEUS, 1761, *Praestochryis* LINSENMAIER, 1959, *Primeuchroeus* LINSENMAIER, 1968, *Trichrysis* LINSENMAIER, 1968) and Elampini (genera *Hedychrum* LATREILLE, 1802, *Holophris* MOCSÁRY, 1890).

The Chrysidid fauna of Gabon is poorly explored concerning species composition and distribution. The biology is unknown.

Annotated catalogue

Synonyms are marked with an asterisk (*). In "distribution" only localities situated in Gabon are mentioned. The general distribution data are based on an updated and unpublished version of MADL & ROSA (2012).

Subfamily C h r y s i d i n a e

Tribe C h r y s i d i n i

Chrysis aureomaculata DAHLBOM, 1854

Chrysis aureomaculata DAHLBOM, 1854: FAIRMAIRE 1858: 263 (Gabon without exact locality).
Chrysis (*Tetrachrysis*) *aureo-maculata* [correct *aureomaculata*] DAHLBOM, 1854: MOCSÁRY 1889: 418 (taxonomy, not examined, original description, Gabon (FAIRMAIRE 1858)).
Chrysis (*Tetrachrysis*) *aureomaculata* DAHLBOM, 1854: DALLA TORRE 1892: 45 (world catalogue: only "Guinea", but MOCSÁRY (1889) is mentioned).
Chrysis (*Tetrachrysis*) *aureomaculata* DAHLBOM, 1854: BISCHOFF 1913: 48 (world catalogue: Gabon).
Chrysis aureomaculata DAHLBOM, 1854: MADL & ROSA 2012: 19 (catalogue Afrotropical Region: Gabon).

D i s t r i b u t i o n : Estuaire: Gabon without exact locality (FAIRMAIRE 1858); Haut-Ogooué: Ndoro.

Chrysis aureomaculata is also recorded from the Central African Republic (should be confirmed), Democratic Republic of the Congo (should be confirmed), "French Congo", "Guinea" and Uganda. The record from Gabon is not mentioned in KIMSEY & BOHART (1991: 386).

Chrysis canaliculata (BRULLÉ, 1846)

Chrysis canaliculata (BRULLÉ, 1846): KIMSEY & BOHART 1991: 393 (taxonomy, world catalogue: Gabon).
Chrysis canaliculata (BRULLÉ 1846): MADL & ROSA 2012: 23 (catalogue Afrotropical Region: Gabon).
**Chrysis* (*Hexachrysis*) *Gabonensis* [correct *gabonensis*] n.sp.: MOCSÁRY 1889: 584 (description ♀, Gabon without exact locality (Radoszkowski Collection)).
Chrysis (*Hexachrysis*) *gabonensis* MOCSÁRY, 1889: DALLA TORRE 1892: 63 (world catalogue: Gabon).
Chrysis (*Hexachrysis*) *gabonensis* MOCSÁRY, 1889: BISCHOFF 1913: 65 (world catalogue: West Africa [correct Equatorial Guinea (Mbini), Gabon]).
Chrysis gabonensis MOCSÁRY, 1889: KIMSEY & BOHART 1991: 393 (synonym, type not examined).
Chrysis gabonensis MOCSÁRY, 1889: ROSA et al. 2015: 30 (taxonomy, synonymy confirmed, Gabon without exact locality, type catalogue Radoszkowski Collection, Krakow), 31 (pl. 20: figs A-D).

D i s t r i b u t i o n : Estuaire: Gabon without exact locality (MOCSÁRY 1889, ROSA, WIŚNIOWSKI & XU 2015).

Chrysis canaliculata is also known from Equatorial Guinea (Mbini), Gambia, North Sudan, Senegal, South Africa and Zimbabwe.

Chrysis laborans COSTA, 1864

Chrysis laborans COSTA, 1864: KIMSEY & BOHART 1991: 318 (taxonomy), 357 (fig. 113d), 368 (taxonomy), 429 (taxonomy, world catalogue: Sierra Leone and Kenya to South Africa).
Chrysis laborans COSTA, 1864: MADL & ROSA 2012: 43 (catalogue Afrotropical Region: Gabon).
**Chrysis mucronifera* ABEILLE DE PERRIN, 1879: BUYSSON 1898: 558 (Gabon without exact locality (Sichel Collection)).
Chrysis mucronifera ABEILLE DE PERRIN, 1879: BUYSSON 1899: 168 (Gabon without exact locality, catalogue Paris).
**Chrysis* (*Hexachrysis*) *mucronifera* MOCSÁRY, 1887: MOCSÁRY 1889: 585 (taxonomy, description ♀♂, Gabon without exact locality (André Collection)).

D i s t r i b u t i o n : Estuaire: Gabon without exact locality (BUYSSON 1898, 1899, MOCSÁRY 1889).

Chrysis laborans, which is widely distributed in the Afrotropical Region, is also recorded from Equatorial Guinea (Mbini, Bioko) and Cameroon.

Chrysis lincea FABRICIUS, 1775

Pyria lyncea [correct *lincea*] (FABRICIUS, 1793 [correct 1775]): GRIBODO 1884: 316 (taxonomy, Gabon without exact locality).
Chrysis lyncea [correct *lincea*] FABRICIUS, 1775: BUYSSON 1898: 543 (Franceville (leg. Brazza), Lambaréné (leg. Haug), Samkilta [correct Sam Kita], Setté-Cama (leg. Dybowski), Haut et Moyen Ogooué (leg. H. Perron), 560 (Gabon without exact locality (Sichel Collection)).
Chrysis lyncea [correct *lincea*] FABRICIUS, 1775: BUYSSON 1900: 153 (Lambaréné (leg. Bouyssou)).
Chrysis lyncea [correct *lincea*] FABRICIUS, 1775: MANTERO 1909: 453 (footnote: taxonomy, Fernand-Vaz).

Chrysis lincea FABRICIUS, 1775: KIMSEY & BOHART 1991: 12 (taxonomy), 326 (fig. 106u), 331 (figs 108o, p), 368 57 (fig. 113f), 433 (taxonomy, world catalogue, Afrotropical Region).
Chrysis lincea FABRICIUS, 1775: MADL & ROSA 2012: 47 (additions to LINSENMAIER 1999: Gabon without exact locality, catalogue Afrotropical Region).

D i s t r i b u t i o n : Estuaire: Gabon without exact locality (GRIBODO 1874, BUYSSON 1898) – Haut-Ogooué: Franceville; Moyen-Ogooué: Lambaréné, Sam Kita; Ogooué Maritime: Setté Cama.

Chrysis lincea, which is known from the Afrotropical (widespread), Australian, Oriental and Palaearctic regions, is also recorded from Equatorial Guinea (Mbini, Annobon), Cameroon, Republic of the Congo and Sao Thomé & Principé (both islands).

Chrysis occidentalis MOCSÁRY, 1913

Chrysis (*Hexachrysis*) *occidentalis* n.sp.: MOCSÁRY 1913: 17 (description ♂, Gabon without exact locality, type depository: Budapest).
Chrysis (*Hexachrysis*) *occidentalis* MOCSÁRY, 1913: BISCHOFF 1913: 66 (world catalogue: West Africa [correct Gabon]).
Chrysis occidentalis MOCSÁRY, 1913: KIMSEY & BOHART 1991: 445 (taxonomy, world catalogue: Gabon without exact locality).
Chrysis occidentalis MOCSÁRY, 1913: MADL & ROSA 2012: 59 (catalogue Afrotropical Region: Gabon).

D i s t r i b u t i o n : Estuaire: Gabon without exact locality (MOCSÁRY 1913).

Chrysis occidentalis is also known from South Africa (should be confirmed).

Chrysis ordinata DU BUYSSON, 1893

Chrysis ordinata DU BUYSSON, 1893: BUYSSON 1904: 271 (Ndoro).
Chrysis (*Hexachrysis*) *ordinata* DU BUYSSON, 1893: BISCHOFF 1913: 67 (world catalogue: Congo [correct French Congo (original description)], record from Gabon not mentioned).
Chrysis ordinata DU BUYSSON, 1893: KIMSEY & BOHART 1991: 445 (taxonomy, lectotype designation by Bohart, world catalogue: record from Gabon not mentioned).
Chrysis ordinata DU BUYSSON, 1893: MADL & ROSA 2012: 59 (taxonomy, catalogue Afrotropical Region: Gabon).

D i s t r i b u t i o n : Haut-Ogooué: Ndoro.

Chrysis ordinata is also recorded from Equatorial Guinea (Bioko) and "French Congo".

Chrysis stilboides (SPINOLA, 1839)

Chrysis stilboides (SPINOLA, 1839): MANTERO 1909: 453 (taxonomy, footnote: Fernand Vaz).
Chrysis stilboides (SPINOLA, 1839): KIMSEY & BOHART 1991: 355 (taxonomy), 357 (fig. 113e), 466 (taxonomy, world catalogue: widespread in the Afrotropical Region).

D i s t r i b u t i o n : Ogooué Maritime: Fernand Vaz.

Chrysis stilboides, which is widely distributed in the Afrotropical Region, is not recorded from neighbouring countries.

Praestochrysis tropica (MOCSÁRY, 1899)

Chrysis (*Pentachrysis*) *tropica* n.sp.: MOCSÁRY 1899: 486 (description ♀, Gabon without exact locality, type depository: Budapest).
Chrysis (*Pentachrysis*) *tropica* MOCSÁRY, 1899: BISCHOFF 1913: 63 (world catalogue: Gabon).
Praestochrysis tropica (MOCSÁRY, 1899): BOHART 1986: 149 (key, taxonomy).
Praestochrysis tropica (MOCSÁRY, 1899): KIMSEY & BOHART 1991: 530 (taxonomy), 535 (world catalogue: Gabon).
Praestochrysis tropica (MOCSÁRY, 1899): MADL & ROSA 2012: 115 (catalogue Afrotropical Region: Gabon).

D i s t r i b u t i o n : Estuaire: Gabon without exact locality (MOCSÁRY 1899).

Praestochrysis tropica is recorded only from Gabon.

Primeuchroeus ghilianii (GRIBODO, 1879)

Chrysis (*Gonochrysis*) *ghilianii* GRIBODO, 1879: MOCSÁRY 1893: 220 (taxonomy, description ♀, Gabon without exact locality).

Primeuchroeus ghilianii (GRIBODO, 1879): KIMSEY & BOHART 1991: 35 (figs 8a, d), 539 (taxonomy), 541 (taxonomy, lectotype designation by Bohart, world catalogue: from Nigeria and Uganda to South Africa).

Primeuchroeus ghilianii (GRIBODO 1879): MADL & ROSA 2012: 115 (catalogue Afrotropical Region: Gabon).

D i s t r i b u t i o n : Estuaire: Gabon without exact locality (MOCSÁRY 1893).

Primeuchroeus ghilianii is also recorded from Cameroon, Nigeria (?), South Africa, Uganda (?) and Zimbabwe. The record from Gabon is not mentioned in BISCHOFF (1913: 43).

Stilbum cyanurum (FORSTER, 1771)

Stilbum cyanurum cyanurum (FORSTER, 1771): MANTERO 1915: 31 (Fernand Vaz).

Stilbum cyanurum (FORSTER, 1771): KIMSEY & BOHART 1991: 12 (biology), 22 (fig. 2a), 35 (fig. 8b), 36 (taxonomy, fig. 9b), 565 (fig. 147), 566 (taxonomy, figs 148a, c-f), 567 (taxonomy, world catalogue; in Eastern Hemisphere widespread in tropics and warm temperate areas).

Stilbum cyanurum (FORSTER, 1771): MADL & ROSA 2012: 122 (additions to LINSENMAIER 1999, catalogue Afrotropical Region: Gabon).

**Chrysis splendidum* var. *amethystinum* (FABRICIUS, 1775): BUYSSON 1898: 544 (Gabon without exact locality (leg. Aubry Lecontee [correct Aubrey-Lecomte]), 561 (Gabon without exact locality (Sichel Collection)).

**Stilbum splendidum* (FABRICIUS, 1775): BUYSSON 1898: 543 (Gabon without exact locality (leg. or Collection Masson)).

Stilbum splendidum (FABRICIUS, 1775): BUYSSON 1900: 156 (Libreville (leg. Bouysseau), Mayumba (leg. Vergnes)).

D i s t r i b u t i o n : Estuaire: Libreville; Ogooué Maritime: Fernand Vaz; Nyanga: Mayumba; Gabon without exact locality (BUYSSON 1898).

Stilbum cyanurum, which is known from the Afrotropical (widespread), Palaearctic, Oriental and Australian regions, is also known from Cameroon and the Republic of the Congo. MADL & ROSA (2012: 122) recorded *Stilbum cyanurum* from Gabon (KOHL 1894: 344) but the locality Loango is situated in the Republic of the Congo.

Trichrysis fraterna (MOCSÁRY, 1889)

Chrysis fraterna MOCSÁRY, 1889: MANTERO 1915: 28 (Nkogo).

Trichrysis fraterna (MOCSÁRY, 1889): MADL & ROSA 2012: 126 (taxonomy, catalogue Afrotropical Region: Gabon).

D i s t r i b u t i o n : Moyen-Ogooué: Nkogo.

Trichrysis fraterna, which is widely distributed in the Afrotropical Region, is also recorded from Cameroon and the Republic of the Congo.

Tribe E l a m p i n i

Hedychrum bouyssoui DU BUYSSON, 1900

Hedychrum Bouyssoui [correct *bouyssoui*] n.sp.: BUYSSON 1900: 129 (description ♂, Libreville).

Hedychrum bouyssoni [correct *bouyssoui*] DU BUYSSON, 1900: BISCHOFF 1913: 18 (world catalogue: Congo [correct Gabon]).
Hedychrum bouyssoui DU BUYSSON, 1900: EDNEY 1940: 81 (key), 83 (taxonomy, description ♀, figs 39a-c, widespread in the South African Subregion).
Hedychrum bouyssoui DU BUYSSON, 1900: KIMSEY & BOHART 1991: 211 (world catalogue: Democratic Republic of the Congo (Libreville) [correct Gabon]).
Hedychrum bouyssoui DU BUYSSON, 1900: MADL & ROSA 2012: 96 (catalogue Afrotropical Region: Gabon).

D i s t r i b u t i o n : Estuaire: Libreville.

Hedychrum bouyssoui is also known from the Central African Republic, Democratic Republic of the Congo, Eritrea, Ethiopia, Guinea Bissau (Bissagos Archipelago), Kenya, Lesotho and South Africa.

Hedychrum haugianum DU BUYSSON, 1903

Hedychrum Haugianum [correct *haugianum*] nov.sp.: BUYSSON 1903: 600 (description ♀, Bas Ogooué between Lambaréné and sea (leg. Haug)).
Hedychrum naugianum [correct *haugianum*] DU BUYSSON, 1903: BISCHOFF 1913: 19 (world catalogue: Congo [correct Gabon]).
Hedychrum haughianum [correct *haugianum*] DU BUYSSON, 1903: KIMSEY & BOHART 1991: 214 (world catalogue: Lambaréné [correct between Lambaréné and sea]).
Hedychrum haugianum DU BUYSSON, 1903: MADL & ROSA 2012: 99 (catalogue Afrotropical Region: Gabon).

D i s t r i b u t i o n : between Lambaréné and sea (BUYSSON 1903).

Hedychrum haugianum is recorded only from Gabon.

Holophris congoensis DU BUYSSON, 1900

Holophris congoensis DU BUYSSON, 1900: MANTERO 1910: 546 (taxonomy, Ogooué (Buysson Collection)).
Holophris congoensis DU BUYSSON, 1900: MADL & ROSA 2012: 104 (catalogue Afrotropical Region: Gabon).

D i s t r i b u t i o n : Estuaire: Gabon without exact locality (MANTERO 1910).

Holophris congoensis is also known from the Democratic Republic of the Congo, Equatorial Guinea (Mbini), Uganda and Zambia. The record from Gabon is not mentioned in KIMSEY & BOHART (1991: 247).

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Zusammenfassung

Die Familie Chrysididae ist in Gabon mit 14 Arten der Unterfamilie Chrysidinae vertreten. Die Gattung *Chrysis* LINNAEUS, 1761 ist mit sieben Arten vertreten und *Hedychrum* LATREILLE, 1802 mit zwei Arten. Die Gattungen *Holophris* MOCSÁRY, 1890, *Praestochryis* LINSENMAIER, 1959, *Primeuchroeus* LINSENMAIER, 1968, *Stilbum* SPINOLA, 1806 und *Trichrysis* LINSENMAIER, 1968 sind mit jeweils einer Art nachgewiesen.

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