

Linzer biol. Beitr.	54/1	219-224	September 2022
---------------------	------	---------	----------------

A catalogue of the Pompilidae (Hymenoptera, Vespoidea) of Gabon

Michael MADL

A b s t r a c t : Hitherto 20 species of the family Pompilidae have been recorded from Gabon. The subfamily Ceropalinae is represented by two species of the genus *Ceropales* LATREILLE, 1797 and the subfamily Pepsinae by eight species of the genera *Auplopus* SPINOLA, 1842 (two species), *Cryptocheilus* PANZER, 1806 (one species), *Cyphononyx* DAHLBOM, 1845 (one species), *Hemipepsis*, DAHLBOM 1843 (two species) and *Java* PATE, 1846 (two species). The subfamily Pompilinae is recorded with ten species of the genera *Agenioideus* ASHMEAD, 1902 (two species), *Anoplius* DUFOUR, 1834 (two species), *Atopopompilus* ARNOLD, 1937 (one species), *Kyphopompilus* ARNOLD, 1959 (three species), *Paracyphononyx* GRIBODO, 1884 (one species) and *Pygmachus* HAUPT, 1930 (one species).

Key words: Pompilidae, Ceropalinae, Pepsinae, Pompilinae, catalogue, Gabon

Introduction

The spider wasp fauna of Gabon is poorly investigated. Papers with records of Pompilidae from Gabon have been published predominately after 1970 except KOHL (1894) and TURNER (1918). Hitherto, only 20 species belonging to the subfamilies Ceropalinae, Pompilinae and Pepsinae have been recorded from Gabon. Nothing is known about the biology of the Gabonese species.

Annotated catalogue

The data of the general distribution are based on my unpublished catalogue of the Afrotropical Pompilidae. Synonyms are marked with an asterisk (*) and printing errors with an exclamation mark (!).

Subfamily *Ceropalinae*

Ceropales africana MÓCSÁR, 1989

Ceropales africana spec.nov.: MÓCSÁR 1989: 11 (taxonomy), 14 (key), 16 (taxonomy, description ♂♂, Léconi, Tchibanga (erroneously recorded from the Democratic Republic of the Congo)), 50 (figs 31-36).

Ceropales africana MÓCSÁR, 1989: MADL 2020: 74 (catalogue Afrotropical region).

D i s t r i b u t i o n : Haut-Ogooué: Léconi – Nyanga: Tchibanga.

Ceropales africana, which is widely distributed in the Afrotropical region, is also recorded from the Republic of the Congo.

***Ceropales gaboni* MÓCZÁR, 1988**

Ceropales (Priesnerius) gaboni sp.n.: MÓCZÁR 1988: 120 (taxonomy), 121 (taxonomy), 122 (taxonomy), 126 (key), 133 (description ♀, Tchibanga), 155 (figs 17-19).

Ceropales gaboni MÓCZÁR, 1988: MADL 2020: 76 (catalogue Afrotropical region).

D i s t r i b u t i o n : Nyanga: Tchibanga.

Ceropales gaboni is only known from Gabon.

Subfamily P e p s i n a e

***Auplopus enodans* (KÖHL, 1894)**

Pseudagenia enodans n.sp.: KÖHL 1894: 308 (description ♀, Chûtes de Samlia (Riv. N. Gamio) = Chûtes de Samba (Rivière Ngounié)), pl. 14 (figs 48, 58, 60).

Pseudagenia enodans KÖHL, 1894: DALLA TORRE 1897: 202 (world catalogue: West Africa = Gabon).

Pseudagenia enodans KÖHL, 1894: ARNOLD 1934: 341 (taxonomy, English translation of original description ♀, not seen).

D i s t r i b u t i o n : Ngounié: Chûtes de Samba (Rivière Ngounié) near Sindara.

Auplopus enodans, which is widely distributed in the Afrotropical region, is also recorded from the Republic of the Congo.

***Auplopus personata* (GRIBODO, 1879)**

Pseudagenia personata GRIBODO, 1879: ARNOLD 1934: 295 (key ♀), 349 (taxonomy, description ♀ ♂, Gabon without further data), 350 (figs 50, 50a-c).

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

Auplopus personata, which is widely distributed in the Afrotropical region, is also known from Cameroon.

***Cryptocheilus gowdeyi* (TURNER, 1918)**

Cyphononyx gowdeyi TURNER, 1918: DE SAEGER 1945: 82 (Lambaréné).

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

Cryptocheilus gowdeyi is also recorded from the Democratic Republic of the Congo, Rwanda and Uganda.

***Cyphononyx bretonii* (GUÉRIN-MÉNEVILLE, 1843)**

Salix bretonii (!) GUÉRIN-MÉNEVILLE, 1843: KÖHL 1894: 343 (Gabon without exact locality (leg. Brauns)).

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

Cyphononyx bretonii, which is widely distributed in the Afrotropical and southern Palaearctic regions, is not recorded from the neighbour countries.

***Hemipepsis brunniceps* (TASCHENBERG, 1869)**

Hemipepsis brunniceps (TASCHENBERG, 1869): TURNER 1918: 287 (taxonomy, Gabon without further data).

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

Hemipepsis brunniceps is also known from the Democratic Republic of the Congo, Kenya, Mozambique, Uganda, Kenya, Mozambique South Africa, Zambia and Zimbabwe.

***Hemipepsis dedjas* GUÉRIN-MÉNEVILLE, 1848**

Hemipepsis dedjas GUÉRIN-MÉNEVILLE, 1848: DE SAEGER 1945: 85 (Lambaréné).

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

Hemipepsis dedjas, which is widely distributed in the Afrotropical and southern Palaearctic regions, is not recorded from the neighbour countries.

***Java atropos* (SMITH, 1855)**

Java atropos (SMITH, 1855): WAHIS 2000b: 45 (key Afrotropical Region), 46 (taxonomy, Talagouga (erroneously recorded from the Republic of the Congo)), 73 (figs 4, 6, 8), 74 (photos 1, 2).

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

Java atropos is widely distributed in the Afrotropical region (e.g. Cameroon, Republic of the Congo) and is also recorded from the Australian, Oriental and Palaearctic (Yemen) regions.

***Java nigricornis* (TULLGREN, 1904)**

Java nigricornis (TULLGREN, 1904): WAHIS 2000b: 46 (key Afrotropical Region), 56 (taxonomy, Lastoursville, Monts de Cristal (Muni)), 75 (photos 5, 6).

D i s t r i b u t i o n : Estuaire: Monts de Cristal (Muni) – Ogooué-Lolo: Lastoursville.

Java nigricornis is also known from Cameroon, Central African Republic, Democratic Republic of the Congo, Ethiopia, Gabon, Ivory Coast (not Ghana (WAHIS 2000b)), Liberia, Republic of the Congo, Tanzania and Uganda.

Subfamily P o m p i l i n a e***Agenioideus nudatus* (SMITH, 1855)**

Agenioideus nudatus (SMITH, 1855): WAHIS 2000c: 78 (taxonomy, Gabon without further data), 81 (figs 1a-c).

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

Agenioideus nudatus, which is known from the Afrotropical, Oriental and Palaearctic regions, is not recorded from the neighbour countries.

***Agenioideus waltlii* (SPINOLA, 1838)**

Agenioideus waltlii (SPINOLA, 1838): GROS & WAHIS 2002: 324 (Panga).

D i s t r i b u t i o n : Nyanga: Panga.

Agenioideus waltlii, which is also recorded from the southern Palaearctic region, is also known from the Democratic Republic of the Congo, Ghana, Mali, Niger, Nigeria, Senegal, Uganda and Zimbabwe.

***Anoplius bifasciatus* (TULLGREN, 1904)**

Anoplius (Orientanoplius) bifasciatus (TULLGREN, 1904): DAY 1974a: 381 (keys ♀, ♂), 392 (figs 12, 15, 18), 398 (figs 26-28), 399 (fig. 29: map), 400 (taxonomy, description ♀ ♂, Gabon without exact locality (leg. F. Theorin), Monts de Cristal (Muni, leg. A. Villiers)).

D i s t r i b u t i o n : Estuaire: Monts de Cristal (?), Gabon without exact locality.

Anoplius bifasciatus, which is widely distributed in the Afrotropical region, is also recorded from Cameroon.

***Anoplius morosus* (SMITH, 1855)**

Anoplius (Orientanoplius) morosus (SMITH, 1855): DAY 1974a: 381 (key ♀), 382 (key ♂), 388 (taxonomy, description ♀ ♂, biology, Libreville (leg. C. Chalot)), 392 (figs 10, 13, 16), 393 (fig. 19: map), 398 (figs 20, 21).

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

Anoplius morosus is widespread in the Afrotropical region, but no records are known from the neighbour countries.

***Atopopompilus carinatus* (RADOSZKOVSKY, 1881)**

Atopopompilus carinatus (RADOSZKOWSKI, 1881): DAY 1974b: 53 (figs 1, 9, 11), 54 (keys ♀, ♂, taxonomy, description ♀ ♂, Monts de Cristal (leg. A. Villiers)), 56 (figs 17, 23, 25, 31, 32), 60 (map 1).

**Paracyphononyx affinis* HAUPT, 1929: WOLF et al. 2009: 284 (Makandé).

D i s t r i b u t i o n : Estuaire: Monts de Cristal – Ogooué-Ivindo: Makandé.

Atopopompilus carinatus is also recorded from Angola, Benin, Cameroon, Democratic Republic of the Congo, Ethiopia, Ghana, Nigeria, Rwanda, Sierra Leone, Togo and Uganda.

***Kyphopompilus disseminatus* WAHIS, 2003**

Kyphopompilus disseminatus sp.n.: WAHIS 2003: 105 (figs 1, 2, 4, 6, 9), 106 (in key description ♀), 107 (in key description ♂), 110 (Forêt de la Makandé, Tchibanga), 111 (map 3).

D i s t r i b u t i o n : Nyanga: Tchibanga – Ogooué-Ivindo: Forêt de la Makandé.

Kyphopompilus disseminatus is also known from the Democratic Republic of the Congo, Ivory Coast, South Africa (not Mozambique (WAHIS 2003)) and Togo.

***Kyphopompilus guineensis* WAHIS, 2003**

Kyphopompilus guineensis sp.n.: WAHIS 2003: 107 (in key description ♂), 111 (map 3), 112 (taxonomy, biology, Nzéla).

D i s t r i b u t i o n : Ogooué-Lolo: Nzéla.

Kyphopompilus guineensis is also recorded from Cameroon.

***Kyphopompilus triangularis* WAHIS, 2003**

Kyphopompilus triangularis sp.n.: WAHIS 2003: 105 (figs 3, 7, 8, 11), 106 (in key description ♀), 107 (in key description ♂), 108 (map 2), 112 (taxonomy, biology, Forêt de la Makandé, Peni-Nyoundou).

D i s t r i b u t i o n : Ogooué-Ivindo: Forêt de la Makandé, Peni-Nyoundou.

Kyphopompilus triangularis is also recorded from Angola and Cameroon.

***Paracyphononyx zonatus* (ILLIGER, 1801)**

Paracyphononyx zonatus (ILLIGER, 1802): WOLF et al. 2009: 285 (Makandé).

D i s t r i b u t i o n : Ogooué-Ivindo: Makandé.

Paracyphononyx zonatus is also recorded from the Central African Republic, Democratic Republic of the Congo, Gambia, Mali, Sierra Leone, South Africa and Zimbabwe.

***Pygmachus umbratus* HAUPT, 1930**

Pygmachus umbratus HAUPT, 1930: WAHIS 2000a: 83 (key), 84 (key), 86 (taxonomy, Ntoum, Tchibanga, Gabon without exact locality (leg. Faure)), 91 (figs 3, 5a, 6a), 92 (figs 7a, 9a, 10a), 94 (map).

D i s t r i b u t i o n : Estuaire: Ntoum – Nyanga: Tchibanga – Gabon without exact locality.

Pygmachus umbratus, which is widespread in the Afrotropical region, is also known Cameroon, Equatorial Guinea (Mbini) and Republic of the Congo.

Acknowledgements

I would like to thank Hans K. Mipounga (Institut de Recherche Agronomiques et Forestières, Libreville, Gabon) and Manuela Vizek (Natural History Museum Vienna, Austria) for their help in compilation of the catalogue.

Zusammenfassung

Derzeit sind 20 Arten der Familie Pompilidae in Gabun nachgewiesen. Die Unterfamilie Ceropalinae ist mit zwei Arten der Gattung *Ceropales* LATREILLE, 1797 vertreten. Von der Unterfamilie Pepsinae sind acht Arten aus den Gattungen *Auplopus* SPINOLA, 1842 (zwei Arten), *Cryptocheilus* PANZER, 1806 (eine Art), *Cyphononyx* DAHLBOM, 1845 (eine Art), *Hemipepsis*, DAHLBOM 1843 (zwei Arten) und *Java* PATE, 1846 (zwei Arten) bekannt. Von der Unterfamilie Pompilinae sind zehn Arten aus den Gattungen *Agenioideus* ASHMEAD, 1902 (zwei Arten), *Anoplius* DUFOR, 1834 (zwei Arten), *Atopompilus* ARNOLD, 1937 (eine Art), *Kyphopompilus* ARNOLD, 1959 (drei Arten), *Paracyphononyx* GRIBODO, 1884 (eine Art) und *Pygmachus* HAUPT, 1930 (eine Art) nachgewiesen.

References

- ARNOLD G. (1934): The Psammocharidae of the Ethiopian Region Part III. Subfamily Macromerinae Haupt. — *Annals of the Transvaal Museum* **15/3**: 283-399, pls. 1-4.
- DALLA TORRE C.G. DE (1897): *Catalogus hymenopterorum hucusque descriptorum systematicus et synonymicus. Volumen VIII: Fossores (Sphegidae).* — Leipzig (Wilhelm Engelmann): VIII+749 pp.
- DAY M.C. (1974a): A contribution to the taxonomy of the genus *Anoplius* DUFOR (Hymenoptera: Pompilidae) including a revision of the palaeotropical subgenus *Orientaloplius* HAUPT. — *Bulletin of the British Museum (Natural History), Entomology*, **30/8**: 373-404.
- DAY M.C. (1974b): A revision of *Atopompilus* ARNOLD, with a note on the identity of *Anoplinellus* BANKS (Hymenoptera: Pompilidae). — *Bulletin of the British Museum (Natural History), Entomology*, **31/3**: 45-70.

- DE SAEGER H. (1945): Contribution à l'étude des Hyménoptères du Congo Belge: Pompilidae. — *Revue de Zoologie et de Botaniques Africaines* **39**/1: 78-114.
- GROS E. & R. WAHIS (2002): Contribution à la connaissance des *Agenioideus* de la Faune franco-belge (Hymenoptera, Pompilidae). — *Bulletin de la Société Entomologique de France* **107**/3: 313-334.
- KOHL F.F. (1894): Zur Hymenopterenfauna Afrikas. — *Annalen des k.k. Naturhistorischen Hofmuseums in Wien* **9**/3: 279-350.
- MADL M. (2020): Annotated catalogue of the subfamily Ceropalinae (Hymenoptera: Pompilidae) of the Afrotropical region). — *Zeitschrift der Arbeitsgemeinschaft Österreichischer Entomologen* **72**: 73-84.
- MÓCZÁR L. (1988): Revision on the subgenus *Priesnerius* MÓCZÁR (Hymenoptera, Ceropalidae). — *Linzer Biologische Beiträge* **20**/1: 119-160.
- MÓCZÁR L. (1989): Revision of the helvetica-group of the genus *Ceropales* LATREILLE (Hym.: Ceropalidae). — *Beiträge zur Entomologie* **39**/1: 9-61.
- TURNER R.E. (1918): Notes on Fossorial Hymenoptera – XXXIII. On new Ethiopian Species of Psammocharidae. — *The Annals and Magazine of Natural History*, 9th series, **1**/4: 284-294.
- WAHIS R (2000a): Révision des espèces afrotropicales et orientale du genre *Pygmachus* HAUPT 1930 (Hymenoptera: Pompilidae, Pompilinae). — *Notes Fauniques de Gembloux* **37**: 81-94.
- WAHIS R. (2000b): Révision des espèces afrotropicales, indo-orientales et australiennes du genre *Java* PATE 1946 (Hymenoptera: Pompilidae, Pepsinae). — *Notes Fauniques de Gembloux* **38**: 43-76.
- WAHIS R. (2000c): Sur quelques Pompilides afrotropicaux décrits par G. Gribodo en 1894 (Hymenoptera: Pompilidae). — *Notes Fauniques de Gembloux* **40**: 77-81.
- WAHIS R. (2003): Sur un genre peu connu de Pompilides afrotropicaux *Kyphopompilus* ARNOLD, 1959 (Hymenoptera: Pompilidae, Pompilinae). — *Notes Fauniques de Gembloux* **49**: 103-113.
- WOLF H., SORG M., STENMANS W. & H. SCHWAN (2009): Wegwespen (Hymenoptera, Pompilidae) der westlichen Paläarktis bearbeitet von Heinrich Wolf 1948 – 2008). — *Mitteilungen aus dem Entomologischen Verein Krefeld* **3**: 395 pp.

Author's address: Michael MADL
 Naturhistorisches Museum Wien
 2. Zoologische Abteilung
 Burggring 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: 2022

Band/Volume: [0054_1](#)

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

Artikel/Article: [A catalogue of the Pompilidae \(Hymenoptera, Vespoidea\) of Gabon 219-224](#)