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## **A Catalogue of the Eumeninae (Hymenoptera: Vespidae) of the Ethiopian Region excluding Malagasy Subregion. Part III: Classification, Additions, Corrections and Index**

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**Abstract:** Additions and corrections to Part I and II are dealt with. Several taxonomic changes are proposed. A short systematic review is added.

**Key words:** Vespidae, Eumeninae, Ethiopian Region, classification, taxonomy, additions, corrections.

### **Introduction**

The third part of the catalogue of the Eumeninae of the Ethiopian Region excluding Malagasy Subregion includes additions and corrections to Part I and II bringing the taxonomic part to an end. An index to genera, species and subspecies is added. A short systematic review highlights the changes since BEQUAERT's publication.

### **Systematic Review**

A useful perspective on the present state of knowledge of the Eumeninae of the Ethiopian Region is gained by comparison with the monograph by BEQUAERT (1918), which includes the last catalogue prior to our work. BEQUAERT included the Malagasy Subregion in his totals of Ethiopian species, therefore we include data from CARPENTER & MADL (2009) to make the number directly comparable. BEQUAERT also separated Raphiglossinae and Zethinae from the Eumeninae; we include those taxa in Eumeninae, following CARPENTER (1981).

BEQUAERT (1918: 21) counted 368 species in 18 genera for Ethiopian Eumeninae. Presently our totals are 727 species in 81 genera. The present total does not include unrecognized species – if these are included, an additional 32 species and one genus augment the numbers. The number of described species has nearly doubled in less than a century. The number of described genera has increased much more, but BEQUAERT's generic classification placed most of the species he recorded (BEQUAERT 1918: 221) in *Odynerus*. This was the broad concept of that genus in particular that was shortly thereafter decisively altered, first by the work of BLÜTHGEN (1938), who began a trend

of splitting, that was later taken up in particular by GIORDANI SOIKA, the author of so many of the Ethiopian taxa.

The great increase in number of described species encourages a revisiting of BEQUAERT's overall assessment of the Ethiopian vespid fauna, of which Eumeninae forms the greatest part. BEQUAERT (1918: 24) stated: "The Ethiopian region is much poorer in diplopterous wasps than any of the other tropical parts of the world; this is especially striking if we note its large extension, its size being about twice that of either the Neotropical or Oriental regions. The total number of species and genera is much inferior to that of the Neotropical region and hardly equal to that of the Oriental."

BEQUAERT combined the Oriental and Australian Region in his comparisons, which for Eumeninae as here construed gave a total count of 549 species (BEQUAERT 1918: 13-14). He had a total of 647 eumenine species for the Neotropical Region. The total of 368 Ethiopian eumenine species was indeed much less than for those regions, but the numbers look different today. For Neotropical Eumeninae, WEST-EBERHARD et al. (2006: 625) recorded 729 species, essentially the same as the present Ethiopian total, and 44 genera, rather fewer than in the Ethiopian Region. Of course there are substantially more social wasps (Polistinae) known from the Neotropical than the Ethiopian Region, 543 species and 21 genera (see WEST-EBERHARD et al. 2006: 628) vs. 159 species and four genera (compiled from CARPENTER 1996 and KOJIMA & CARPENTER 1997), but this is partly offset by the difference in Masarinae, with totals of 23 species and four genera for the Neotropics vs. 171 species and six genera for the Ethiopian Region (updated from CARPENTER 2001 and CARPENTER et al. 2006). Recent figures have not been published for the Oriental + Australian Region (CARDALE 1985 is available for Australia), but combining the totals from an unpublished checklist by CARPENTER indicates well over 900 eumenine species presently known from the Oriental + Australian Region. This is considerably more than the total for the Ethiopian Region, but the percentage difference in species is rather less than in the figures from BEQUAERT. Based on present knowledge, the Ethiopian Eumeninae – and vespid fauna as a whole – is not remarkably poorer than in other tropical parts of the world.

But if knowledge of the composition of the eumenine fauna of the Ethiopian Region has advanced considerably in the last century, the same cannot be said of understanding of phylogenetic relationships. Formal phylogenetic analyses of higher-level relationships did not begin until CARPENTER (1981). That study showed Eumeninae s.l. to be a natural group, that is the family Eumenidae of RICHARDS (1962), which included BEQUAERT's subfamilies Raphiglossinae and Zethinae (the latter as Discoeliinae, a junior synonym) along with Eumeninae s.str. Zethinae and Raphiglossinae were not recognized taxonomically by CARPENTER (1981) because of paraphyly of Zethinae. Since then, there have been just two phylogenetic analyses including more than a handful of eumenine genera: the study by CARPENTER & CUMMING (1985) on the Nearctic genera, and that by VERNIER (1997) on the European genera. Both those studies agreed on a few basic points, viz. the sister-group of all the remaining genera was the "zethine" included in the respective studies, that the petiolate genera split off from *Eumenes* sensu antiquo formed a monophyletic group, that the genera with a posteriorly rounded tegula (including *Odynerus* LATREILLE and *Pterocheilus* KLUG) formed a monophyletic group, and that the genera close to *Stenodynerus* de SAUSSURE and *Leptochilus* de SAUSSURE were related. That is still the most that can be said about generic relationships, and refers only in the

most general way to the Ethiopian fauna. Recently, HINES et al. (2007) analyzed molecular data to argue that the "zethines" they studied were more closely related to the sub-families Polistinae and Vespinae than to other Eumeninae, but PICKETT & CARPENTER (2010) have shown the conclusions by HINES et al. to be without foundation.

There have been more studies on phylogenetic relationships among species within genera of Eumeninae, but none of these concern Ethiopian taxa. These are the publications by CUMMING (1989) on the Holarctic-Oriental genus *Symmorphus* WESMAEL; WILLINK & ROIG-ALSINA (1998) on the Neotropical *Pachodynerus* de SAUSSURE; GARCETE-BARRETT (2003) and GARCETE-BARRETT & HERMES (2010) on the Neotropical *Cephalastor* GIORDANI SOIKA; and HERMES & MELO (2008) on the Neotropical *Pseudodynerus* de SAUSSURE. Most genera worldwide have their monophyly remaining untested, and relationships among species little explored.

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### Corrections: Key to Genera

- 18 Tergum I at most 0.5 times wider than tergum II in dorsal view.....19  
 - Tergit I more than 0.5 times wider than tergum II in dorsal view .....32
- 30 Apex of clypeus convex ..... *Katamenes* MEADE-WALDO  
 - Apex of clypeus concave .....31
- 62 Maxillary palpi with five segments. Clypeus not emarginate apically. Last article of male antennae not hooklike. Body length less than 20 mm .. subgenus *Rhynchagris* MAIDL  
 - Maxillar palpi with six segments. Clypeus bluntly angular or emarginate apically. Last article of male antennae hook-like, bent backwards. Body length usually more than 20 mm .....62a
- 62a Mandibles with more or less distinct grooves and carinae on their external face; Inner margin in females with three notches, in males with teeth of variable size and shape. Metanotum lateral with spiny tubercles ..... subgenus *Paragris de* SAUSSURE  
 - Mandibles almost smooth on their external face; Inner margin in females and males finely serrulate. Metanotum with two gibbosities ..... subgenus *Synagris* LATREILLE
- 70 Apex of clypeus pointed, not angulate. Terga I and II often with lamelliform posterior border. Sternum II often with medial depression ..... *Rhynchalastor* MEADE-WALDO (partly)  
 - Apex of clypeus angulate. Terga I and II without lamelliform posterior border. Sternum II without medial depression..... *Nirtenia* GIORDANI SOIKA

### Additions and Corrections: Annotated Catalogue

Corrections concerning number of species and subspecies are summarized in tables 1 and 2.

#### *Aethiopicodynerus bimammilatus bimammilatus* GUSENLEITNER 1997

*Aethiopicodynerus bimammilatus bimammilatus* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

*Aethiopicodynerus bimammilatus* GUSENLEITNER: GUSENLEITNER 2010: 1035 (tax.).

\**Aethiopicodynerus rarus* GUSENLEITNER: GUSENLEITNER 2010: 1035 (cat.).

***Aethiopicodynerus capensis* (de SAUSSURE 1856)**

*Parachilus capensis* (de SAUSSURE): GESS 1996: 273 (app. 2: biol., South Africa), 300 (app. 2: biol., South Africa).

***Aethiopicodynerus mimulus* (GIORDANI SOIKA 1989)**

*Aethiopicodynerus mimulus* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Aethiopicodynerus punctiventris* GUSENLEITNER 2002**

*Aethiopicodynerus punctiventris* GUSENLEITNER: GUSENLEITNER 2010: 1035 (cat.).

***Aethiopicodynerus schulthessi schulthessi* (MEADE-WALDO 1915)**

*Aethiopicodynerus schulthessi schulthessi* (MEADE-WALDO): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Aethiopicodynerus scripticeps* (CAMERON 1910)**

*Odynerus (Lionotus) scripticeps* CAMERON: MEADE-WALDO 1915: 488 (South Africa, cat.), 496 (key), pl. 91 (fig. 9).

***Afrepipona macrocephala* (GRIBODO 1894)**

*Odynerus macrocephalus* GRIBODO: TOMMASINI & MARINI 1984: 42 (tax., Mozambique, cat.), 44 (fig. 18).

***Afreumenes aethiopicus aethiopicus* (de SAUSSURE 1852)**

*Eumenes aethiopica* de SAUSSURE var.: RILEY 1893: 567 (Congo).

*Afreumenes aethiopicus aethiopicus* (de SAUSSURE): DOLLFUSS 1990: 123 (Central African Republic).

*Afreumenes aethiopicus aethiopicus* (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Afreumenes aethiopicus affinis* (von SCHULTHESS RECHBERG 1910)**

*Afreumenes aethiopicus affinis* (von SCHULTHESS RECHBERG): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Afreumenes aethiopicus longirostris* (GERSTÄCKER 1857)**

*Eumenes melanosoma* var. *longirostris* (GERSTÄCKER): VESEY-FITZGERALD 1940: 35 (biol., Tanzania (Mafia)).

*Afreumenes aethiopicus longirostris* (GERSTÄCKER): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

\**Eumenes erythraspis* n.sp.: CAMERON 1910: 175 (key), 179 (descr. ♂ ♀, Tanzania), 196 (cat.).

D i s t r i b u t i o n : Angola, Democratic Republic of Congo, Eritrea, Ethiopia, Kenya, Malawi, Mozambique, South Africa, Tanzania (Tanzania, Mafia), Zambia, Zimbabwe.

Known from the Palearctic Region (Yemen).

***Afreumenes aterrimus aterrimus* (von SCHULTHESS RECHBERG 1910)**

*Afreumenes aterrimus aterrimus* (von SCHULTHESS RECHBERG): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Afreumenes aterrimus bicoloratus* (GIORDANI SOIKA 1987)**

*Afreumenes aterrimus bicoloratus* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Afreumenes erythrosoma* (GIORDANI SOIKA 1940)**

*Afreumenes erythrosoma* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Afreumenes melanosoma melanosoma* (de SAUSSURE 1852)**

*Eumenes melanosoma* n.sp.: de SAUSSURE 1852: 61 (descr. ♂ ♀, Java).

*Eumenes melanosoma* n.sp.: de SAUSSURE 1853: pl. 12 (fig. 1).

*Eumenes melanosoma* (de SAUSSURE): MAINDRON 1882: 272 (cat.).

*Afreumenes melanosoma melanosoma* (de SAUSSURE): DOLLFUSS 1990: 123 (Central African Republic).

*Afreumenes melanosoma melanosoma* (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

\**Eumenes melanosoma* var. *decipiens* (KIRBY): BEQUAERT 1918: 282 (cat. partim).

***Afreumenes moseri moseri* (SCHULZ 1906)**

\**Eumenes melanosoma* var. *decipiens* (KIRBY): BEQUAERT 1918: 79 (figs 64-69), 81 (key), 82 (tax., Democratic Republic of Congo), 282 (sen. syn., cat. partim).

***Afreumenes nigrorufus* GIORDANI SOIKA 1968**

*Afreumenes nigrorufus* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Afreumenes violaceus violaceus* (GIORDANI SOIKA 1941)**

*Afreumenes violaceus violaceus* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Afreumenes violaceus rugosopunctatus* (GIORDANI SOIKA 1968)**

*Afreumenes violaceus rugosopunctatus* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Alastor (Alastor) aeger* GIORDANI SOIKA 1983**

\**Alastor (Antalastor) bucida* de SAUSSURE: von SCHULTHEß 1925a: 59 (cat.), 62 (key), 63 (key).

***Alastor (Alastorellus) baidoensis* GIORDANI SOIKA 1983**

*Alastor (Alastorellus) baidoensis* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Alastor (Alastorellus) braunsi* MEADE-WALDO 1913**

*Alastor braunsi* MEADE-WALDO: PERKINS 1914: 563 (tax.).

***Alastor (Alastorellus) clypabnormis* GUSENLEITNER 2006**

*Alastor (Alastorellus) clypabnormis* GUSENLEITNER: GUSENLEITNER 2010: 1025 (cat.).

***Alastor (Alastor) hirsutus* GUSENLEITNER 2007**

*Alastor (Alastor) hirsutus* GUSENLEITNER: GUSENLEITNER 2010: 1028 (cat.).

***Alastor (Alastorellus) mandibularis* GIORDANI SOIKA 1950**

*Alastor (Alastorellus) mandibularis* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Alastor (Alastorellus) melanogaster* GUSENLEITNER 2006**

*Alastor (Alastorellus) melanogaster* GUSENLEITNER: GUSENLEITNER 2010: 1031 (cat.).

***Alastor (Alastor) nitidus* GUSENLEITNER 2006**

*Alastor (Alastor) nitidus* GUSENLEITNER: GUSENLEITNER 2010: 1033 (cat.).

***Alastor (Alastor) occidentalis* GUSENLEITNER 2006**

*Alastor (Alastor) occidentalis* GUSENLEITNER: GUSENLEITNER 2010: 1033 (cat.).

***Alastor (Alastor) parallelus* GUSENLEITNER 2006**

*Alastor (Alastor) parallelus* GUSENLEITNER: GUSENLEITNER 2010: 1034 (cat.).

***Alastor (Alastorellus) planicollis* GUSENLEITNER 2004**

*Alastor (Alastorellus) planicollis* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

*Alastor (Alastorellus) planicollis* GUSENLEITNER: GUSENLEITNER 2010: 1034 (cat.).

***Alastor (Alastorellus) plicatus* GIORDANI SOIKA 1991**

*Alastor (Alastorellus) plicatus* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Alastor (Alastor) rubescens* GUSENLEITNER 2006**

*Alastor (Alastor) rubescens* GUSENLEITNER: GUSENLEITNER 2010: 1035 (cat.).

***Alastor (Alastorellus) stvensoni* von SCHULTHESS 1925**

*Alastor (Alastorellus) stvensoni* von SCHULTHESS: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).



***Alastor (Alastor) stroudiaformis* GUSENLEITNER 2006**

*Alastor (Alastor) stroudiaformis* GUSENLEITNER: GUSENLEITNER 2010: 1038 (cat.).

***Allepipona (Cylindrepipona) emortualis* (de SAUSSURE 1853)**

\**Odynerus (Lionotus) simplidentatus* MEADE-WALDO: MEADE-WALDO 1915: 488 (Zimbabwe, cat.), 496 (key).

***Allepipona (Allepipona) erythrospila erythrospila* (CAMERON 1905)**

*Allepipona erythrospila* (CAMERON): GESS 1996: 290 (app. 2: biol., South Africa).

***Allepipona (Allepipona) schultzeana* (von SCHULTHESS 1914)**

*Odynerus (Lionotus) schultzeanus* von SCHULTHESS: MEADE-WALDO 1915: 487 (Namibia, cat.), 495 (key).

***Allepipona (Cylindrepipona) similis* GUSENLEITNER 2000**

*Allepipona (Cylindrepipona) similis* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

*Allepipona (Cylindrepipona) similis* GUSENLEITNER: GUSENLEITNER 2010: 1037 (cat.).

***Allodynerus africanus* GUSENLEITNER 1995**

*Allodynerus africanus* GUSENLEITNER: GUSENLEITNER 2010: 1023 (cat.).

***Allodynerus curvirufolineatus* (CAMERON 1910) new combination**

\**Odynerus (Rhynchium) pervigilans* n.sp.: GIORDANI SOIKA 1944: 172 (descr. ♂, South Africa, Zimbabwe). **new synonym**

\**Acarepipona pervigilans obscura* n.ssp.: GIORDANI SOIKA 1989: 51 (descr. ♂, Gabon). **new synonym**

**D i s t r i b u t i o n** : Burkina Faso, Democratic Republic of Congo, Gabon, Ethiopia, Senegal, South Africa, Tanzania, Zimbabwe.

***Allodynerus vinciguerrae pallidulus* GIORDANI SOIKA 1970**

\**Odynerus (Rhynchium) vinciguerrae* GUIGLIA: GIORDANI SOIKA 1939: 358 (tax., Sudan).

***Ancistrocerus atlanticus atlanticus* (KIRBY 1884)**

*Ancistrocerus atlanticus atlanticus* (KIRBY): GIORDANI SOIKA 1956: 21 (Cape Verde), 22 (tax. fig. 3: map), 24 (figs except above).

***Ancistrocerus atlanticus pseudatlanticus* GIORDANI SOIKA 1966**

*Ancistrocerus atlanticus pseudatlanticus* n.var.: GIORDANI SOIKA 1956: 21 (Cape Verde), 22 (descr., fig. 3: map), 24 (fig. above).

***Ancistrocerus biphaleratus* (de SAUSSURE 1852)**

\**Odynerus (Ancistrocerus) impunctatus* SPINOLA: de SAUSSURE 1863: 214 (descr. ♂, Ethiopia).



***Ancistrocerus contrarius contrarius* GIORDANI SOIKA 1966**

*Ancistrocerus contrarius* n.sp.: GIORDANI SOIKA 1956: 21 (Cape Verde), 22 (fig. 3: map), 25 (tax.).

***Ancistrocerus fasciaticollis fasciaticollis* GIORDANI SOIKA 1974**

*Ancistrocerus fasciaticollis fasciaticollis* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

\**Ancistrocerus lineaticollis* CAMERON: GIORDANI SOIKA 1936a: 42 (Kenya).

***Ancistrocerus fasciaticollis flavocaudatus* GIORDANI SOIKA 1974**

*Ancistrocerus fasciaticollis flavocaudatus* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Ancistrocerus fasciaticollis kenyaensis* GIORDANI SOIKA 1974**

*Ancistrocerus fasciaticollis kenyaensis* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Ancistrocerus fasciaticollis maximus* GIORDANI SOIKA 1974**

*Ancistrocerus fasciaticollis maximus* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Ancistrocerus lineaticollis* CAMERON 1910**

*Odynerus (Ancistrocerus) lineaticollis* CAMERON: MEADE-WALDO 1915: 486 (tax., Tanzania, cat.), 490 (key).

***Ancistrocerus maculiscapus maculiscapus* (CAMERON 1910)**

*Odynerus (Ancistrocerus) maculiscapus* (CAMERON): MEADE-WALDO 1915: 486 (tax., Tanzania, cat.), 490 (key).

***Ancistrocerus newvillei newvillei* (du BUYSSON 1906)**

*Odynerus (Ancistrocerus) newvillei* (du BUYSSON): MEADE-WALDO 1915: 486 (tax., Kenya, cat.), 490 (key).

*Ancistrocerus newvillei newvillei* (du BUYSSON): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Ancistrocerus newvillei stevensoni* GIORDANI SOIKA 1936**

*Ancistrocerus newvillei stevensoni* GIORDANI SOIKA: GIORDANI SOIKA 1974a: 302 (South Africa), pl. 1 (right above).

*Ancistrocerus newvillei stevensoni* GIORDANI SOIKA: GIORDANI SOIKA 1974b: 306 (key), 309 (tax., Lesotho, South Africa).

*Ancistrocerus newvillei stevensoni* GIORDANI SOIKA: BORSATO & RATTI 1999: 83 (cat.).

***Ancistrocerus striativentris striativentris* (CAMERON 1910)**

\**Ancistrocerus zebra* (de SAUSSURE): BEQUAERT 1933 (In: BENSON et al.): 115 (Ethiopia partim).

***Ancistrocerus striativentris dissimilis* GIORDANI SOIKA 1974**

*Ancistrocerus striativentris dissimilis* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Ancistrocerus striativentris elgonensis* GIORDANI SOIKA 1960**

*Ancistrocerus striativentris elgonensis* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Antepipona agnata* GUSENLEITNER 2005**

*Antepipona agnata* GUSENLEITNER: GUSENLEITNER 2010: 1023 (cat.).

***Antepipona alboclypeus* GUSENLEITNER 2004**

*Antepipona alboclypeus* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

*Antepipona alboclypeus* GUSENLEITNER: GUSENLEITNER 2010: 1023 (cat.).

***Antepipona albomarginata* GUSENLEITNER 2001**

*Antepipona albomarginata* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

*Antepipona albomarginata* GUSENLEITNER: GUSENLEITNER 2010: 1023 (cat.).

***Antepipona asperategulae* GUSENLEITNER 1997**

*Antepipona asperategulae* GUSENLEITNER: GUSENLEITNER 2010: 1024 (cat.).

***Antepipona assmanni* GUSENLEITNER & GUSENLEITNER 2010**

*Antepipona assmanni* nov.sp.: GUSENLEITNER & GUSENLEITNER 2010: 711 (descr. ♀, Kenya), 719 (figs 1-4), 720 (cat., Kenya), 720 (cat., Kenya).

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

***Antepipona aubrechti* GUSENLEITNER & GUSENLEITNER 2010**

*Antepipona aubrechti* nov.sp.: GUSENLEITNER & GUSENLEITNER 2010: 713 (descr. ♀, Kenya), 719 (figs 5-8), 720 (cat., Kenya), 720 (cat., Kenya).

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

***Antepipona carinata* GUSENLEITNER 2005**

*Antepipona carinata* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

*Antepipona carinata* GUSENLEITNER: GUSENLEITNER 2010: 1025 (cat.).

***Antepipona cingulifera* (WALKER 1871)**

\**Odynerus parvulus* LEPELETIER de SAINT-FARGEAU: MAGRETTI 1885: 293 (Eritrea), 316 (Ethiopia), 353 (cat.).

***Antepipona conradsii* (von SCHULTHESS 1913)**

*Odynerus (Lionotus) conradsii* von SCHULTHESS: MEADE-WALDO 1915: 486 (Tanzania, cat.), 491 (key).

*Antepipona conradsii* (von SCHULTHESS): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Antepipona darfurensis* GUSENLEITNER 2001**

*Antepipona darfurensis* GUSENLEITNER: GUSENLEITNER 2010: 1026 (cat.).

***Antepipona dauensis* (MAGRETTI 1898)**

*Antepipona dauensis* (MAGRETTI): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Antepipona defracta* (du BUYSSON 1906)**

*Antepipona defracta* (du BUYSSON): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Antepipona fervida* (de SAUSSURE 1855)**

*Odynerus (Lionotus) fervidus* de SAUSSURE: MEADE-WALDO 1915: 487 (Africa, cat.), 494 (key), pl. 91 (fig. 10).

***Antepipona jocosa jocosa* (GERSTAECKER 1871)**

*Antepipona jocosa jocosa* (GERSTAECKER): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

\**Odynerus (Lionotus) ukerewensis* von SCHULTHESS: MEADE-WALDO 1915: 487 (tax., Tanzania, cat.), 493 (key).

***Antepipona jocosa tropicaloides* GIORDANI SOIKA 1985**

*Antepipona jocosa tropicaloides* GIORDANI SOIKA: DOLLFUSS 1990: 123 (Central African Republic).

\**Antepipona (Rygchium) tropicalis* de SAUSSURE: BEQUAERT 1918: 130 (key), 183 (tax. descr. ♂ ♀, Democratic Republic of Congo), 184 (figs 198-202).

D i s t r i b u t i o n : Burkina Faso, Burundi, Central African Republic, Democratic Republic of Congo, Tanzania, Togo, Zambia.

***Antepipona kassalensis* GIORDANI SOIKA 1939**

\**Odynerus rhynchooides* de SAUSSURE: MAGRETTI 1884b: 619 (Sudan).

*Odynerus rhynchooides* de SAUSSURE: MAGRETTI 1885: 280 (Sudan), 353 (cat.).

Known from the Palearctic Region (Yemen).

***Antepipona karibae karibae* (MEADE-WALDO 1915)**

*Antepipona karibae karibae* (MEADE-WALDO): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

***Antepipona metemmensis* (MAGRETTI 1884)**

*Odynerus metemmensis* MAGRETTI: MAGRETTI 1885: 316 (Ethiopia), 329 (Eritrea), 353 (cat.).

***Antepipona monomotapa* GUSENLEITNER 2001**

*Antepipona monomotapa* GUSENLEITNER: GUSENLEITNER 2010: 1031 (cat.).

***Antepipona montana* GUSENLEITNER 1995**

*Antepipona montana* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

*Antepipona montana* GUSENLEITNER: GUSENLEITNER 2010: 1032 (cat.).

***Antepipona mucronata* (de SAUSSURE 1862)**

*Antepipona mucronata* (de SAUSSURE): DOLLFUSS 1990: 123 (Central African Republic).

*Antepipona mucronata* (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

**Distribution:** Benin, Burkina Faso, Cameroon, Central African Republic, Democratic Republic of Congo, Eritrea, Gabon, Ghana, Guinea Bissau, Ivory Coast, Kenya, Nigeria, Republic of Guinea, Senegal, Sierra Leone, Togo.

***Antepipona multimaculata* GUSENLEITNER 2005**

*Antepipona multimaculata* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

*Antepipona multimaculata* GUSENLEITNER: GUSENLEITNER 2010: 1032 (cat.).

***Antepipona nicotrae* GIORDANI SOIKA 1985**

*Antepipona nicotrae* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Antepipona pulchella* (GERSTÄCKER 1857)**

*Antepipona pulchella* (GERSTÄCKER): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Antepipona pulchripilosella* (CAMERON 1910)**

*Odynerus (Lionotus) pulchripilosellus* CAMERON: MEADE-WALDO 1915: 486 (Tanzania, cat.), 491 (key), 503 (tax.).

*Antepipona pulchripilosella* (CAMERON): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Antepipona quadrituberculata* (SMITH 1857)**

*Odynerus (Lionotus) quadrituberculatus* SMITH: MEADE-WALDO 1915: 486 (South Africa, cat.), 491 (key), 503 (tax.), pl. 91 (fig. 3).

\**Odynerus senex* sp.nov.: CAMERON 1905d: 324 (descr. ♂, South Africa).

***Antepipona rikatlensis* (von SCHULTHESS 1914)**

*Odynerus (Lionotus) rikatlensis* von SCHULTHESS: MEADE-WALDO 1915: 486 (Mozambique, cat.), 491 (key).

***Antepipona rubicunda* GUSENLEITNER 2001**

*Antepipona rubicunda* GUSENLEITNER: GUSENLEITNER 2010: 1035 (cat.).

***Antepipona scutellaris scutellaris* GIORDANI SOIKA 1985**

*Antepipona scutellaris* GIORDANI SOIKA: GESS 1996: 283 (app. 2: biol., South Africa), 288 (app. 2: biol., South Africa).

***Antepipona scutellaris pallidior* GIORDANI SOIKA 1985**

***Antepipona senegalensis* (de SAUSSURE 1853)**

*Antepipona senegalensis* (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Antepipona sesquicincta* (de SAUSSURE 1856)**

*Antepipona sesquicincta* (de SAUSSURE): GESS 1996: 283 (app. 2: biol., South Africa), 297 (app. 2: biol., South Africa).

***Antepipona silaos silaos* (de SAUSSURE 1853)**

*Antepipona silaos silaos* (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

\**Odynerus (Lionotus) silaensis* de SAUSSURE: MEADE-WALDO 1915: 487 (South Africa, cat.), 492 (key).

***Antepipona silaos quartinae* (GRIBODO 1884)**

\**Odynerus (Lionotus) asmarensis* von SCHULTHESS: MEADE-WALDO 1915: 487 (Eritrea, cat.), 492 (key), 507 (tax.).

***Antepipona splendida* GUSENLEITNER 2005**

*Antepipona splendida* GUSENLEITNER: GUSENLEITNER 2010: 1038 (cat.).

***Antepipona solstitialis solstitialis* (de SAUSSURE 1856)**

*Odynerus solstitialis* de SAUSSURE: MAGRETTI 1884b: 620 (Ethiopia).

*Odynerus solstitialis* de SAUSSURE: MAGRETTI 1885: 352 (Ethiopia), 353 (cat.).

*Odynerus solstitialis* de SAUSSURE: MEADE-WALDO 1915: 487 (tax., South Africa, cat.), 494 (key).

D i s t r i b u t i o n : Ethiopia, Mozambique, South Africa.

***Antepipona stevensoniana* (GIORDANI SOIKA 1963)**

*Antepipona stevensoniana* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Antepipona tricolor* GUSENLEITNER 2005**

*Antepipona tricolor* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

*Antepipona tricolor* GUSENLEITNER: GUSENLEITNER 2010: 1039 (cat.).

*Antepipona tricolor* is cited twice in Part I (p. 577 and 578).

***Antepipona tropicalis* (de SAUSSURE 1853)**

*Odynerus (Lionotus) tropicalis* de SAUSSURE: MEADE-WALDO 1915: 487 (Ethiopia, cat.), 494 (key).

***Antepipona vaalensis* (CAMERON 1905)**

*Odynerus (Lionotus) vaalensis* CAMERON: MEADE-WALDO 1915: 487 (tax., South Africa, cat.), 495 (key).

***Antepipona zambiana* GUSENLEITNER 2007**

*Antepipona zambiana* GUSENLEITNER: GUSENLEITNER 2010: 1040 (cat.).

***Anterhynchium (Anterhynchium) aestuans* (de SAUSSURE 1863)**

*Anterhynchium aestuans* (de SAUSSURE): DOLLFUSS 1990: 123 (Central African Republic).

**Distribution:** Cameroon, Central African Republic, Democratic Republic of Congo, Equatorial Guinea, Gabon, Ivory Coast, Nigeria, Senegal, South Africa.

***Anterhynchium (Anterhynchium) auromaculatum* (de SAUSSURE 1852)**

*Rhygchium auromaculatum* n.sp.: de SAUSSURE 1852: 102 (key), 104 (descr. ♂ ♀, Senegal).  
*Rhygchium auromaculatum* n.sp.: de SAUSSURE 1853: pl. 14 (fig. 1).

***Anterhynchium (Anterhynchium) dictatorium* (GIORDANI SOIKA 1935)**

*Odynerus dictatorius* GIORDANI SOIKA: TAEGER, GAEDIKE & BLANK 2005: 247 (tax., South Africa, cat.).

***Anterhynchium (Anterhynchium) grayi atratum* (MOCSÁRY 1903)**

\**Rhynchium aestuans* de SAUSSURE var.: de SAUSSURE 1855: 155 (tax.).

***Anterhynchium (Anterhynchium) luctuosum* (GERSTÄCKER 1857)**

*Anterhynchium (Anterhynchium) luctuosum* (GERSTÄCKER): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Anterhynchium (Anterhynchium) natalense rufius* (GIORDANI SOIKA 1937)**

***Anterhynchium (Anterhynchium) obscurum* GUSENLEITNER 2007**

*Anterhynchium obscurum* GUSENLEITNER: GUSENLEITNER 2010: 1033 (cat.).

***Anterhynchium (Anterhynchium) synagroide synagroide* (de SAUSSURE 1852)**

*Rhynchium synagroides* n.sp.: de SAUSSURE 1852: 102 (key), 103 (descr. ♂, Gabon).

*Rhynchium synagroides* n.sp.: de SAUSSURE 1853: pl. 14 (figs 2, 2a).

*Rhynchium synagroides* de SAUSSURE: de SAUSSURE 1890: 173 (key), 174 (descr. ♂ ♀, Gabon, Ivory Coast, South Africa), pl. 4 (figs 13 ♂ ♀).

*Rhynchium synagroides* var. *synagroides* de SAUSSURE: von SCHULTHEB 1923: 1 (tax.).

*Anterhynchium synagroide* (de SAUSSURE): DOLLFUSS 1990: 123 (Central African Republic).

*Anterhynchium (Anterhynchium) synagroide synagroide* (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

**D i s t r i b u t i o n :** Angola, Benin, Burkina Faso, Cameroon, Central African Republic, Democratic Republic of Congo, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea Bissau, Ivory Coast, Kenya, Mali, Mozambique, Nigeria, Republic of Congo, Republic of Guinea, Senegal, Sierra Leone, South Africa, Sudan, Tanzania, Uganda, Zimbabwe.

Known from the Palearctic Region.

***Anterhynchium (Anterhynchium) synagroide alpha* (von SCHULTHEB 1923)**

*Rhynchium synagroide alpha* nov.var.: von SCHULTHEB 1923: 1 (descr. ♂ ♀, Mozambique, Zambia).

*Anterhynchium (Anterhynchium) synagroide alpha* (von SCHULTHEB): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Anterhynchium (Anterhynchium) synagroide sulphureomaculatum* (von SCHULTHEB 1928)**

***Antodynerus ardens ardens* (GUÉRIN MENNEVILLE 1848)**

*Odynerus ardens* GUÉRIN MENNEVILLE: GUIGLIA 1948: 177 (tax., Ethiopia, cat.).

*Antodynerus ardens* (GUÉRIN MENNEVILLE): DOLLFUSS 1990: 123 (Central African Republic).

***Antodynerus cnemophilus cnemophilus* (CAMERON 1910)**

*Odynerus (Lionotus) cnemophilus* CAMERON: MEADE-WALDO 1915: 487 (Tanzania, cat.), 495 (key).

***Antodynerus coenii* (GIORDANI SOIKA 1934)**

\**Rhynchium laterale* (FABRICIUS): WALKER 1871: 31 (Eritrea).

*Rygchium laterale* (FABRICIUS): MAGRETTI 1884b: 614 (Ethiopia).

*Rygchium laterale* (FABRICIUS): MAGRETTI 1885: 316 (Ethiopia), 353 (cat.).

***Antodynerus desperatus* (BEQUAERT 1918)**

*Odynerus (Rygchium) desperatus* n.sp.: BEQUAERT 1918: 132 (key), 166 (descr. ♂ ♀, biol., Democratic Republic of Congo), 167 (figs 178-182), 297 (cat.).

***Antodynerus effossoides effossoides* GIORDANI SOIKA 1989**

*Antodynerus effossoides effossoides* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Antodynerus effosus* GIORDANI SOIKA 1989**

*Antodynerus effosus* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Antodynerus gribodoi* (von SCHULTHESS RECHBERG 1922)**

*Rhynchium gribodoi* n.sp.: von SCHULTHESS RECHBERG 1922: 33 (key), 39 (descr. ♂, figs 11, 12, Botswana, Zambia).



**D i s t r i b u t i o n :** Botswana, Democratic Republic of Congo, Mozambique, Republic of Congo, Tanzania, Zambia.

***Antodynerus indecorus* (CAMERON 1910)**

*Odynerus (Lionotus) indecorus* CAMERON: MEADE-WALDO 1915: 488 (South Africa, cat.), 497 (key).

***Antodynerus infucatus* (GIORDANI SOIKA 1935)**

*Odynerus infucatus* GIORDANI SOIKA: TAEGER, GAEDIKE, BLANK 2005: 248 (tax., Sao Thomé, South Africa, Zimbabwe, cat.).

***Antodynerus lugubris* (MEADE-WALDO 1915)**

*Odynerus (Rygchium) lugubris* MEADE-WALDO: BEQUAERT 1918: 181 (tax.), 304 (tax., cat.).

***Antodynerus magadensis* (GIORDANI SOIKA 1937)**

*Antodynerus magadensis* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Antodynerus multicolor multicolor* (de SAUSSURE 1853)**

*Antodynerus multicolor* (de SAUSSURE): DOLLFUSS 1990: 123 (Central African Republic).

*Antodynerus multicolor* (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

\**Odynerus (Lionotus) meruensis* CAMERON: MEADE-WALDO 1915: 488 (Tanzania, cat.), 497 (tax.).

\**Odynerus (Lionotus) rotundiscutis* CAMERON: MEADE-WALDO 1915: 488 (Tanzania, cat.), 497 (key).

**D i s t r i b u t i o n :** Burkina Faso, Central African Republic, Democratic Republic of Congo, Gambia, Kenya, Malawi, Mali Mozambique, Nigeria, Senegal, South Africa, Tanzania, Zimbabwe.

***Antodynerus radialis radialis* (de SAUSSURE 1855)**

*Antodynerus radialis radialis* (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Antodynerus radialis flavozonatus* (GIORDANI SOIKA 1940)**

*Antodynerus radialis flavozonatus* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Antodynerus spoliatus spoliatus* (CAMERON 1910)**

*Antodynerus spoliatus* (CAMERON): GESS 1996: 283 (app. 2: biol., South Africa).

*Antodynerus spoliatus spoliatus* (CAMERON): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Antodynerus versicolor picturatus* (BEQUAERT 1918)**

***Antodynerus stiraspis* (CAMERON 1910)**

*Odynerus (Lionotus) stiraspis* CAMERON: MEADE-WALDO 1915: 487 (Tanzania, cat.), 488 (Tanzania, cat.), 492 (key), 496 (key).

***Antodynerus wellmani* (MEADE-WALDO 1910)**

*Odynerus (Lionotus) wellmani* MEADE-WALDO: MEADE-WALDO 1915: 488 (tax., Angola, cat.), 497 (key).

***Carinstrocerus dolorans* (GIORDANI SOIKA 1935)**

*Carinstrocerus dolorans* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

**Genus *Catilostenus* MEUNIER 1888**

We classify the genus and *Catilostenus nigroviolaceus* MEUNIER 1888 as incertae sedis.

***Chlorodynerus chloroticus* (SPINOLA 1838)**

*Odynerus chloroticus* SPINOLA: MAGRETTI 1885: 276 (Sudan), 353 (cat.).

***Chlorodynerus somalus* GIORDANI SOIKA 1957**

*Chlorodynerus somalus* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Convextrocerus namibicus* GUSENLEITNER 2001**

*Convextrocerus namibicus* GUSENLEITNER: GUSENLEITNER 2010: 1032 (cat.).

***Convextrocerus nitidissimus* (GIORDANI SOIKA 1936)**

*Convextrocerus nitidissimus* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Cyphodynerus bisellatus* (von SCHULTHESS 1914)**

*Odynerus (Lionotus) bisellatus* (von SCHULTHESS): MEADE-WALDO 1915: 486 (Mozambique, cat.), 491 (key), pl. 91 (fig. 2).

***Cyphodynerus rubroniger* (BINGHAM 1902)**

*Odynerus (Lionotus) rubroniger* BINGHAM: MEADE-WALDO 1915: 487 (tax., South Africa, cat.), 491 (key).

***Cyrtolabulus angustatus* GUSENLEITNER 2004**

*Cyrtolabulus angustatus* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

*Cyrtolabulus angustatus* GUSENLEITNER: GUSENLEITNER 2010: 1024 (cat.).

***Cyrtolabulus caputabnormis* GUSENLEITNER 2000**

*Cyrtolabulus caputabnormis* GUSENLEITNER: GUSENLEITNER 2010: 1025 (cat.).

***Cyrtolabulus bimaculatus* GUSENLEITNER 2000**

*Cyrtolabulus bimaculatus* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

*Cyrtolabulus bimaculatus* GUSENLEITNER: GUSENLEITNER 2010: 1024 (cat.).

***Cyrtolabulus conspicuus* GUSENLEITNER 1999**

*Cyrtolabulus conspicuus* GUSENLEITNER: GUSENLEITNER 2010: 1025 (cat.).

***Cyrtolabulus garambensis* (BEQUAERT 1918)**

*Cyrtolabulus garambensis* (BEQUAERT): DOLLFUSS 1990: 123 (Central African Republic).

D i s t r i b u t i o n : Burkina Faso, Central African Republic, Democratic Republic of Congo, Gambia, Ivory Coast, Mali, Niger, Senegal.

***Cyrtolabulus mauretanicus* GUSENLEITNER 2006**

*Cyrtolabulus mauritanicus* (sic) GUSENLEITNER: GUSENLEITNER 2010: 1031 (cat.).

***Cyrtolabulus metatarsalis* GUSENLEITNER 1998**

*Cyrtolabulus metatarsalis* GUSENLEITNER: GUSENLEITNER 2010: 1031 (cat.).

***Cyrtolabulus nigerrimus* GUSENLEITNER 2002**

*Cyrtolabulus nigerrimus* GUSENLEITNER: GUSENLEITNER 2010: 1032 (cat.).

***Cyrtolabulus rauschi* GUSENLEITNER 1999**

*Cyrtolabulus rauschi* GUSENLEITNER: GUSENLEITNER 2010: 1035 (cat.).

***Cyrtolabulus rhodensis* (GIORDANI SOIKA 1944)**

***Cyrtolabulus soikai* GUSENLEITNER 1999**

*Cyrtolabulus soikai* GUSENLEITNER: GUSENLEITNER 2010: 1037 (cat.).

***Cyrtolabulus striaticlypeus* GUSENLEITNER 2002**

*Cyrtolabulus soikai* GUSENLEITNER: GUSENLEITNER 2010: 1038 (cat.).

***Cyrtolabulus ulricae* GUSENLEITNER 1999**

*Cyrtolabulus ulricae* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

*Cyrtolabulus ulricae* GUSENLEITNER: GUSENLEITNER 2010: 1039 (cat.).

***Cyrtolabulus zethiformis* (GIORDANI SOIKA 1958)**

*Cyrtolabulus zethiformis* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Delta caffrum* (a LINNÉ 1767)**

*Vespa caffra* n.sp.: a LINNÉ 1767: 951 (descr., South Africa).

*Eumenes caffer* (a LINNÉ): RISBEC 1951: 352 (Senegal).

*Delta caffer* (a LINNÉ): DELVARE 1988: 138 (Senegal), 140 (Senegal).

*Delta caffer* (a LINNÉ): GESS 1996: 268 (app. 2: biol., South Africa), 271 (app. 2: biol., South Africa), 273 (app. 2: biol., South Africa), 288 (app. 2: biol., South Africa), 294 (app. 2: biol., South Africa), 295 (app. 2: biol., South Africa), 296 (app. 2: biol., South Africa), 298 (app. 2: biol., South Africa).

*Delta caffrum caffrum* (a LINNÉ): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

\**Vespa crucigera* n.sp.: LICHTENSTEIN 1796: 202 (descr., South Africa).

*Vespa cratiata* (sic) LICHTENSTEIN: WEBER 1801: 101 (tax., South Africa).

\**Eumenes* sp.: Risbec 1951: 338 (Senegal).

\**guêpes*: DELVARE 1988: 138 (Senegal).

**D i s t r i b u t i o n :** Chad, Djibouti, Eritrea, Kenya, Mauritania, Namibia, Niger, South Africa, Senegal, Sudan.

The correct name of the author is a Linné.

***Delta concinnum* (de SAUSSURE 1855)**

*Delta concinnum* (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Delta dimidiatipenne* (de SAUSSURE 1852)**

*Eumenes dimidiatipennis* de SAUSSURE: DIXEY 1907: 335 (South Africa).

***Delta emarginatum* (LINNAEUS 1758)**

*Vespa emarginata* Linnaeus: a LINNÉ 1767: 952 (descr., America).

*Vespa emarginata* DEGEER: GUÉRIN-MÉNEVILLE 1798: pl. 100 (fig. 7).

*Delta emarginatum* (LINNAEUS): DOLLFUSS 1990: 123 (Central African Republic).

*Delta emarginatum* (LINNAEUS): GESS 1996: 268 (app. 2: biol., South Africa), 295 (app. 2: biol., South Africa), 298 (app. 2: biol., South Africa).

*Delta emarginatum emarginatum* (LINNAEUS): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

\**Vespa maxillosa* n.sp.: DEGEER 1753: 577 (descr., Surinam), pl. 29 (figs 1, 2).

*Delta maxillosus maxillosus* DEGEER: VESEY-FITZGERALD 1940: 35 (Tanzania (Mafia)).

\**Vespa capensis* n.sp.: a LINNÉ 1767: 952 (descr., South Africa).

**D i s t r i b u t i o n :** Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, "Congo", Democratic Republic of Congo, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ivory Coast, Kenya (Kenya, Pate), Liberia, Malawi, Mali, Mauritania, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Somalia, South Africa, Sudan, Tanzania (Tanzania, Mafia), Togo, Uganda, Zambia, Zimbabwe.

Known from the Palearctic Region. In the Malagasy Subregion recorded from Seychelles (Aldabra, Assumption, Astove, Cosmoledo), Comoros (Grande Comore, Anjouan), Mayotte and Madagascar.

The correct name of the author under *Vespa capensis* is a Linné.

***Delta fenestrata* (de SAUSSURE 1852)**

*Eumenes fenestralis* de SAUSSURE: RILEY 1893: 567 (Congo).

*Delta fenestrata* (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Delta higletti rendalli* (BINGHAM 1902)**

*Delta higletti rendalli* (BINGHAM): DOLLFUSS 1990: 123 (Central African Republic).

**D i s t r i b u t i o n :** Central African Republic Democratic Republic of Congo, Ivory Coast, Malawi, South Africa, Zimbabwe.

***Delta hottentotum hottentotum* (de SAUSSURE 1852)**

*Delta hottentotum hottentotum* (de SAUSSURE): DOLLFUSS 1990: 123 (Central African Republic).

*Delta hottentotum* (de SAUSSURE): GESS 1996: 297 (app. 2: biol., South Africa), 298 (app. 2: biol., South Africa).

***Delta hottentotum berlandi* (GIORDANI SOIKA 1934)**

\**Eumenes dyschera* de SAUSSURE var.: DIXEY 1907: 343 (Zimbabwe).

***Delta lepeletierii lepeletierii* (de SAUSSURE 1852)**

*Delta lepeletierii lepeletierii* (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Delta lepeletierii pilosellum* (GIORDANI SOIKA 1982)**

*Delta lepeletierii pilosellum* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Delta tropicale* (de SAUSSURE 1852)**

*Delta tropicale* (de SAUSSURE): DOLLFUSS 1990: 123 (Central African Republic).

***Ectopioglossa borsatoi* (GIORDANI SOIKA 1996)**

*Ectopioglossa borsatoi* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Emeryrhynchium emeryanum* (GRIBODO 1892)**

***Eumenes acuminatus* de SAUSSURE 1855**

*Eumenes acuminatus* de SAUSSURE: GESS 1996: 283 (app. 2: biol., South Africa).

***Eumenes (Eumenes) fuelebornianus fuelebornianus* von SCHULTHESS RECHBERG 1910**

*Eumenes fuelebornianus* von SCHULTHESS RECHBERG: DOLLFUSS 1990: 123 (Central African Republic).

*Eumenes (Eumenes) fuelebornianus fuelebornianus* von SCHULTHESS RECHBERG: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

**D i s t r i b u t i o n** : Central African Republic, Kenya, Mozambique, Nigeria, Tanzania (Tanzania, Zanzibar), Uganda, Zimbabwe.

***Eumenes (Eumenes) gribodianus gribodianus* GUIGLIA 1933**

*Eumenes (Eumenes) gribodianus gribodianus* GUIGLIA: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Eumenes (Eumenes) lucasius* de SAUSSURE 1852**

*Eumenes lucasius* de SAUSSURE: DIXEY 1907: 345 (Zimbabwe).

***Eumenes (Eumenes) peringueyanus* von SCHULTHESS-RECHBERG 1913**

*Eumenes péringeyanus* n.sp.: von SCHULTHESS-RECHBERG 1913a: 2 (descr. ♀, South Africa).

The correct species name is *peringueyanus*, because the species is dedicated to Péringuey.

***Euodynerus (Euodynerus) albomaculatus* GUSENLEITNER 2000**

*Euodynerus (Euodynerus) albomaculatus* GUSENLEITNER: GUSENLEITNER 2010: 1023 (cat.).

***Euodynerus (Euodynerus) infinitus* GUSENLEITNER 2007**

*Euodynerus (Euodynerus) infinitus* GUSENLEITNER: GUSENLEITNER 2010: 1028 (cat.).

***Gibberhynchium masariforme* (GIORDANI SOIKA 1934)**

\**Gibberhynchium gibber* GUSENLEITNER: GUSENLEITNER 2010: 1027 (cat.).

***Eumenes (Eumenes) micropunctatus flavolimbatus* GIORDANI SOIKA 1975**

*Eumenes (Eumenes) micropunctatus flavolimbatus* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Eumenes (Eumenes) micropunctatus kenyaensis* GIORDANI SOIKA 1975**

*Eumenes (Eumenes) micropunctatus kenyaensis* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Eustenancistrocerus (Hemistenancistrocerus) pharao* (de SAUSSURE 1863)**

*Ancistrocerus (Ancistrocerus) pharao* (de SAUSSURE): GIORDANI SOIKA 1936a: 34 (key), 40 (tax., Eritrea, Ethiopia, Sudan).

\**Odynerus (Ancistrocerus) roubaudi* n.sp.: BEQUAERT 1916: 90 (descr. ♂ ♀, biol., Mali). **new synonym**

***Extreuodynerus mirificus* GUSENLEITNER 2007**

*Extreuodynerus mirificus* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

*Extreuodynerus mirificus* GUSENLEITNER: GUSENLEITNER 2010: 1031 (cat.).

***Gioiella katonai* (von SCHULTHESS 1913)**

*Gioiella katonai* (von SCHULTHESS): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

***Gioiella kristenseni* (MEADE-WALDO 1915)**

*Gioiella kristenseni* (MEADE-WALDO): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

***Globepipona zairensis* GUSENLEITNER 1998**

*Globepipona zairensis* GUSENLEITNER: GUSENLEITNER 2010: 1040 (cat.).

***Interzumia rufonigra* GUSENLEITNER 2002**

*Interzumia rufonigra* GUSENLEITNER: GUSENLEITNER 2010: 1036 (cat.).

***Katamenes macrocephalus macrocephalus* (de SAUSSURE 1853)**

*Katamenes macrocephalus* (de SAUSSURE): GESS 1996: 273 (app. 2: biol., South Africa).

*Katamenes macrocephalus macrocephalus* (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

\**Eumenes arbustorum* (PANZER): BEQUAERT 1918: 275 (tax., cat.).

***Katamenes macrocephalus fenestraloides* (GIORDANI SOIKA 1939) new combination**

***Knemodynerus conspicuus* (GUSENLEITNER 1999)**

*Knemodynerus conspicuus* GUSENLEITNER: GUSENLEITNER 2010: 1025 (cat.).

***Knemodynerus expressus* (GIORDANI SOIKA 1934)**

*Pseudepipona* (*Euodynerus*) *expressa* (GIORDANI SOIKA): BORSATO & RATTI 1999: 84 (tax., cat.).

***Knemodynerus inversus* GUSENLEITNER 2004**

*Knemodynerus inversus* GUSENLEITNER: GUSENLEITNER 2010: 1029 (cat.).

***Knemodynerus turneri* (GIORDANI SOIKA 1934)**

*Pseudepipona* (*Euodynerus*) *turneri* (GIORDANI SOIKA): BORSATO & RATTI 1999: 85 (tax., cat.).

***Lamellodynerus nigrofulvus* GUSENLEITNER 1999**

*Lamellodynerus nigrofulvus* GUSENLEITNER: GUSENLEITNER 2010: 1033 (cat.).

***Leptochilus* (*Neoleptochilus*) *tuareg* GUSENLEITNER 2006**

*Leptochilus* (*Neoleptochilus*) *tuareg* GUSENLEITNER: GUSENLEITNER 2010: 1039 (cat.).

***Leptomenes major* GIORDANI SOIKA 1939**

*Leptomenes major* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).



***Leptomenes pulawskii* GUSENLEITNER 1997**

*Leptomenes pulawskii* GUSENLEITNER: GUSENLEITNER 2010: 1034 (cat.).

***Leptomenes stevensoni* GIORDANI SOIKA 1939**

*Leptomenes stevensoni* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

***Micreumenes adelphus* (MEADE-WALDO 1911)**

*Micreumenes adelphus* (MEADE-WALDO): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

\**Hymenosmithia urundiensis* (GIORDANI SOIKA): MEDLER 1980: 476 (tax., cat., Nigeria).

***Micreumenes annulipes* CAMERON 1910**

*Micreumenes annulipes* CAMERON: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

***Micreumenes brevicornis* GUSENLEITNER 2005**

*Micreumenes brevicornis* GUSENLEITNER: GUSENLEITNER 2010: 1024 (cat.).

***Micreumenes crassipunctatus* GUSENLEITNER 2000**

*Micreumenes crassipunctatus* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

*Micreumenes crassipunctatus* GUSENLEITNER: GUSENLEITNER 2010: 1026 (cat.).

***Micreumenes glaber glaber* GIORDANI SOIKA 1983**

*Micreumenes glaber glaber* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

***Micreumenes kenyaensis* GUSENLEITNER 2000**

*Micreumenes kenyaensis* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

*Micreumenes kenyaensis* GUSENLEITNER: GUSENLEITNER 2010: 1029 (cat.).

***Micreumenes marci* GUSENLEITNER 2000**

*Micreumenes marci* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

*Micreumenes marci* GUSENLEITNER: GUSENLEITNER 2010: 1031 (cat.).

***Micreumenes microspinae* GUSENLEITNER 2000**

*Micreumenes microspinae* GUSENLEITNER: GUSENLEITNER 2010: 1031 (cat.).

***Micreumenes mutarensis* GUSENLEITNER 2002**

*Micreumenes mutarensis* GUSENLEITNER: GUSENLEITNER 2010: 1032 (cat.).

***Micreumenes natalensis* (de SAUSSURE 1855)**

*Labus natalensis* (de SAUSSURE): VESEY-FITZGERALD 1940: 35 (Tanzania (Mafia)).

**D i s t r i b u t i o n :** Angola, Democratic Republic of Congo, South Africa, Tanzania (Tanzania, Mafia), Zimbabwe.

***Micreumenes nigerrimus* GUSENLEITNER 2000**

*Micreumenes nigerrimus* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

*Micreumenes nigerrimus* GUSENLEITNER: GUSENLEITNER 2010: 1032 (cat.).

***Micreumenes obscurus* GUSENLEITNER 2000**

*Micreumenes obscurus* GUSENLEITNER: GUSENLEITNER 2010: 1033 (cat.).

***Micreumenes perversus* GIORDANI SOIKA 1989**

*Micreumenes perversus* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

***Micreumenes petri* GUSENLEITNER 2000**

*Micreumenes petri* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

*Micreumenes petri* GUSENLEITNER: GUSENLEITNER 2010: 1034 (cat.).

***Micreumenes ruficlypeus* GUSENLEITNER 1998**

*Micreumenes ruficlypeus* GUSENLEITNER: GUSENLEITNER 2010: 1036 (cat.).

***Micreumenes separandus* GUSENLEITNER 2002**

*Micreumenes separandus* GUSENLEITNER: GUSENLEITNER 2010: 1036 (cat.).

***Micreumenes snellingi* GUSENLEITNER 2002**

*Micreumenes snellingi* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

*Micreumenes snellingi* GUSENLEITNER: GUSENLEITNER 2010: 1037 (cat.).

***Micreumenes subtilis* GUSENLEITNER 2007**

*Micreumenes subtilis* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

*Micreumenes subtilis* GUSENLEITNER: GUSENLEITNER 2010: 1038 (cat.).

***Micreumenes voiensis* GUSENLEITNER 2000**

*Micreumenes voiensis* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

*Micreumenes voiensis* GUSENLEITNER: GUSENLEITNER 2010: 1039 (cat.).

***Odynerus guineensis* de SAUSSURE 1858**

*Odynerus guineensis* n.sp.: de SAUSSURE 1858: 167 (descr. ♀, Guinea).

*Odynerus guineensis* de SAUSSURE: de DALLA TORRE 1894: 71 (cat. partim).

*Odynerus (Microdynerus) guineensis* de SAUSSURE: von DALLA TORRE 1904: 46 (tax., cat. partim).

*Odynerus (Rygchium) guineensis* de SAUSSURE: BEQUAERT 1918: 300 (tax., cat. partim).

Distribution: "Guinea".

***Odynerus guineensis* de SAUSSURE 1863**

*Odynerus guineensis* n.sp.: de SAUSSURE 1863: 227 (descr. ♀, Guinea).

*Odynerus guineensis* de SAUSSURE: de DALLA TORRE 1894: 71 (cat. partim).

*Odynerus (Microdynerus) guineensis* de SAUSSURE: von DALLA TORRE 1904: 46 (tax., cat. partim).

*Odynerus (Rygchium) guineensis* de SAUSSURE: BEQUAERT 1918: 300 (tax., cat. partim).

Distribution: "Guinea".

*Odynerus guineensis* de SAUSSURE 1863 is a junior homonym of *Odynerus guineensis* de SAUSSURE 1858.

***Odynerus hottentotus* (de SAUSSURE 1855)**

*Odynerus hottentotus* (de SAUSSURE): GIORDANI SOIKA 1961: 445 (tax., South Africa)

*Odynerus hottentotus* de SAUSSURE: GIORDANI SOIKA 1987: 178 (tax., South Africa).

***Omicrabulus punctatissimus* GUSENLEITNER 2000**

*Omicrabulus punctatissimus* GUSENLEITNER: GUSENLEITNER 2010: 1035 (cat.).

***Omicrabulus saganensis saganensis* (GIORDANI SOIKA 1944)**

*Omicrabulus saganensis saganensis* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

***Omicrabulus saganensis corruptus* (GIORDANI SOIKA 1987)**

*Omicrabulus saganensis corruptus* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

***Ovodynerus ashtonensis* GUSENLEITNER 2005**

*Ovodynerus ashtonensis* GUSENLEITNER: GUSENLEITNER 2010: 1024 (cat.).

***Ovodynerus leviclypeus* GUSENLEITNER 1999**

*Ovodynerus leviclypeus* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

*Ovodynerus leviclypeus* GUSENLEITNER: GUSENLEITNER 2010: 1030 (cat.).

***Ovodynerus sjoestedti* (CAMERON 1910)**

*Ovodynerus sjoestedti* (CAMERON): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

***Ovodynerus tricoloratus* GUSENLEITNER 2003**

*Ovodynerus tricoloratus* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

*Ovodynerus tricoloratus* GUSENLEITNER: GUSENLEITNER 2010: 1039 (cat.).

***Ovodynerus yngvei* (CAMERON 1910)**

*Ovodynerus yngvei* CAMERON: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

***Paramischocyttarus buyssoni* GRIBODO 1896**

*Paramischocyttarus buyssoni* GRIBODO: DOLLFUSS 1990: 123 (Central African Republic).

*Paramischocyttarus buyssoni* GRIBODO: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

**Distribution:** Burkina Faso, Burundi, Central African Republic, Chad, Democratic Republic of Congo, Ethiopia, Gabon, Gambia, Ghana, Ivory Coast, Kenya, Malawi, Mozambique, Namibia, Niger, Nigeria, Republic of Congo, Senegal, South Africa, Tanzania, Togo, Uganda, Zambia, Zimbabwe.

***Paramischocyttarus lacuum* STADELMANN 1898**

*Paramischocyttarus lacuum* STADELMANN: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

***Paravespa (Gestrodynerus) africana* CARPENTER, GUSENLEITNER & MADL 2010**

*Paravespa africana* CARPENTER, GUSENLEITNER & MADL: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

***Paravespa (Gestrodynerus) gestroi problematica* GIORDANI SOIKA 1960**

*Paravespa (Gestrodynerus) gestroi problematica* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

***Paravespa (Gestrodynerus) nairobiensis* (GIORDANI SOIKA 1935)**

*Paravespa (Gestrodynerus) nairobiensis* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

***Paravespa (Gestrodynerus) pretoriensis* (GIORDANI SOIKA 1935)**

*Odynerus gestroi* var. *pretoriensis* GIORDANI SOIKA: TAEGER, GAEDIKE & BLANK 2005: 249 (tax., South Africa, cat.).

***Paravespa (Gestrodynerus) spinigera spinigera* (von SCHULTHESS 1914)**

*Paravespa (Gestrodynerus) spinigera spinigera* (von SCHULTHESS): GIORDANI SOIKA 1983: 98 (tax., cat.).

***Paravespa (Gestrodynerus) spinigera ditior* (GIORDANI SOIKA 1935)**

*Paravespa (Gestrodynerus) spinigera* ssp. *ditior* (GIORDANI SOIKA): GIORDANI SOIKA 1983: 98 (tax., cat.).

***Paravespa (Gestrodynerus) violaceipennis* GIORDANI SOIKA 1960**

The correct species name in all citations is *violaceipennis*.

***Paravespa (Gestrodynerus) zebroides* (MEADE-WALDO 1915)**

*Paravespa (Gestrodynerus) zebroides* (MEADE-WALDO): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

***Pareumenes (Brachyparmenes) punctatissimus* GIORDANI SOIKA 1987**

*Pareumenes (Brachyparmenes) punctatissimus* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

***Proepipona falcata* (TULLGREN 1904)**

*Proepipona falcata* (TULLGREN): DOLLFUSS 1990: 123 (Central African Republic).

*Proepipona falcata* (TULLGREN): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

**D i s t r i b u t i o n :** Cameroon, Central African Republic, Democratic Republic of Congo, Equatorial Guinea, Gabon, Ivory Coast, Kenya, Nigeria, Tanzania.

***Proepipona lateralis lateralis* (FABRICIUS 1781)**

*Rhynchium laterale* (FABRICIUS): ZAVATTARI 1911: 4 (Sierra Leone).

*Proepipona lateralis* (FABRICIUS): DOLLFUSS 1990: 123 (Central African Republic).

***Proepipona lateralis marginiscutis* (CAMERON 1910)**

\**Odynerus (Rygchium) lateralis* var. *unicolor* von SCHULTHESS: VESEY-FITZGERALD 1940: 35 (Tanzania (Mafia)).

\**Rhynchium gribodoi* n.sp.: von SCHULTHESS RECHBERG 1922: 39 (Zambia).

*Rhynchium gribodoi* von SCHULTHESS RECHBERG: BLÜTHGEN 1940: 45 (syn. of *Odynerus lateralis* var. *unicolor*).

**D i s t r i b u t i o n :** Burundi, Democratic Republic of Congo, Mozambique, Namibia, South Africa, Tanzania (Tanzania, Mafia), Zambia.

***Proepipona meadewaldoi* (GIORDANI SOIKA 1940)**

*Proepipona meadewaldoi* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

***Pseudochilus asmarensis* GIORDANI SOIKA 1935**

*Pseudochilus asmarensis* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

***Pseudodontodynerus schwarzi* GUSENLEITNER 2009**

*Pseudodontodynerus schwarzi* GUSENLEITNER: GUSENLEITNER 2010: 1036 (cat.).

***Pseudonortonia gambiensis* (MEADE-WALDO 1911)**

*Pseudonortonia gambiensis* (MEADE-WALDO): DOLLFUSS 1990: 123 (Central African Republic).

**D i s t r i b u t i o n :** Burkina Faso, Central African Republic, Democratic Republic of Congo, Gambia, Ghana, Malawi, Mali, Nigeria, Senegal, Togo.

***Pseudonortonia kibonotensis kibonotensis* (CAMERON 1910)**

*Pseudonortonia kibonotensis kibonotensis* (CAMERON): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

\**Ancistrocerus zairensis ferrugineopetiolatus* n.var.: GIORDANI SOIKA 1934: 368 (descr. ♂ ♀, Guinea Bissau, Sudan). **new synonym**

**D i s t r i b u t i o n** : Democratic Republic of Congo, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea Bissau, Kenya, Mali, Nigeria, Senegal, Somalia, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe.

***Pseudonortonia parvula* (de SAUSSURE 1852)**

All citations should be correctly placed in *Eustenancistrocerus* (*Hemistenancistrocerus*) *pharao* (de SAUSSURE 1863). Therefore this species is deleted from the species list.

***Pseudonortonia rubrosignata* GUSENLEITNER 1992**

*Pseudonortonia rubrosignata* GUSENLEITNER: GUSENLEITNER 2010: 1036 (cat.).

***Pseudonortonia rufoquadripustulata* (CAMERON 1910)**

*Pseudonortonia rufoquadripustulata* (CAMERON): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

***Pseudonortonia soror* (KOHL 1906)**

*Pseudonortonia soror* (KOHL): DOLLFUSS 1990: 123 (Central African Republic).

**D i s t r i b u t i o n** : Central African Republic, Democratic Republic of Congo (?), Somalia (?), South Africa).

***Pseudonortonia tenuis* GUSENLEITNER 2002**

*Pseudonortonia tenuis* GUSENLEITNER: GUSENLEITNER 2010: 1038 (cat.).

***Pseudonortonia tricarimulata* (BEQUAERT 1918)**

*Pseudonortonia tricarimulata* (BEQUAERT): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

***Pteromenes paradisiacus* (GIORDANI SOIKA 1941)**

*Pteromenes paradisiacus* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

***Raphiglossa flavoornata* CAMERON 1905**

*Raphiglossa flavoornata* CAMERON: GESS 1996: 277 (app. 2: biol., South Africa), 278 (app. 2: biol., South Africa), 288 (app. 2: biol., South Africa), 290 (app. 2: biol., South Africa), 297 (app. 2: biol., South Africa).

***Raphiglossa natalensis* (SMITH 1857)**

*Raphiglossa natalensis* (SMITH): GESS 1996: 268 (app. 2: biol., South Africa), 288 (app. 2: biol., South Africa), 290 (app. 2: biol., South Africa), 292 (app. 2: biol., South Africa), 293 (app. 2: biol., South Africa).

**Genus *Raphiglossoides* GIORDANI SOIKA 1936**

Synonym: *Gibbodynerus* GUSENLEITNER 2000. **new synonym**

***Raphiglossoides aethiopicus* GIORDANI SOIKA 1936**

\**Raphiglossoides gibbus* GUSENLEITNER: GUSENLEITNER 2010: 1027 (cat.).

***Raphiglossoides minutus* GUSENLEITNER 2000**

*Raphiglossoides minutus* GUSENLEITNER: GUSENLEITNER 2010: 1031 (cat.).

***Rhynchagrís vicaria luteopicta* MAIDL 1914**

*Rhynchagrís vicaria luteopicta* MAIDL: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

***Rhynchalastor auratipennis* (GIORDANI SOIKA 1934)**

*Stenodyneroides auratipennis* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

***Rhynchalastor caudalis* (GIORDANI SOIKA 1934)**

*Stenodyneroides caudalis* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

***Rhynchalastor carinatus* (GUSENLEITNER 2006)**

*Stenodyneroides carinatus* GUSENLEITNER: GUSENLEITNER 2010: 1025 (cat.).

***Rhynchalastor corvus corvus* (MEADE-WALDO 1915)**

*Stenodyneroides corvus corvus* (MEADE-WALDO): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

***Rhynchalastor flavofasciatus* (GUSENLEITNER 2006)**

*Stenodyneroides flavofasciatus* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

*Stenodyneroides flavofasciatus* GUSENLEITNER: GUSENLEITNER 2010: 1027 (cat.).

***Rhynchalastor fuscipennis fuscipennis* (MEADE-WALDO 1910)**

*Rhynchalastor fuscipennis* MEADE-WALDO: PERKINS 1914: 563 (tax.).

*Rhynchalastor fuscipennis* MEADE-WALDO: VESEY-FITZGERALD 1940: 35 (Tanzania (Mafia)).

***Rhynchalastor luteatus* (GUSENLEITNER 2006)**

*Stenodyneroides luteatus* GUSENLEITNER: GUSENLEITNER 2010: 1030 (cat.).

***Rhynchalastor sorex sorex* (GUSENLEITNER 2006)**

*Stenodyneroides sorex* GUSENLEITNER: GUSENLEITNER 2010: 1037 (cat.).



***Rhynchalastor sorex luteoflavofasciatus* (GUSENLEITNER 2006)**

*Stenodyneroides sorex luteoflavofasciatus* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

*Stenodyneroides sorex luteoflavofasciatus* GUSENLEITNER: GUSENLEITNER 2010: 1037 (cat.).

***Rhynchium marginellum marginellum* (FABRICIUS 1783)**

*Rhynchium marginellum marginellum* (FABRICIUS): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

***Rhynchium proserpina* von SCHULTHESS 1923**

***Stroudia abnormis* GUSENLEITNER 2001**

*Stroudia abnormis* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

*Stroudia abnormis* GUSENLEITNER: GUSENLEITNER 2010: 1023 (cat.).

***Stroudia albofasciata* GUSENLEITNER 2004**

*Stroudia albofasciata* GUSENLEITNER: GUSENLEITNER 2010: 1023 (cat.).

***Stroudia areatoides* GUSENLEITNER 2002**

*Stroudia areatoides* GUSENLEITNER: GUSENLEITNER 2010: 1024 (cat.).

***Stroudia despecta* GUSENLEITNER 2004**

*Stroudia despecta* GUSENLEITNER: GUSENLEITNER 2010: 1026 (cat.).

***Stroudia hertae* GUSENLEITNER 2002**

*Stroudia hertae* GUSENLEITNER: GUSENLEITNER 2010: 1028 (cat.).

***Stroudia hirta* GUSENLEITNER 2002**

*Stroudia hirta* GUSENLEITNER: GUSENLEITNER 2010: 1028 (cat.).

***Stroudia laikipa* GUSENLEITNER 2002**

*Stroudia laikipa* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

*Stroudia laikipa* GUSENLEITNER: GUSENLEITNER 2010: 1030 (cat.).

***Stroudia manca* GUSENLEITNER 2007**

*Stroudia manca* GUSENLEITNER: GUSENLEITNER 2010: 1031 (cat.).

***Stroudia meridiana* GUSENLEITNER 2007**

*Stroudia meridiana* GUSENLEITNER: GUSENLEITNER 2010: 1031 (cat.).

***Stroudia stenosoma* (GIORDANI SOIKA 1941)**

*Stroudia stenosoma* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

*Stroudia stenosoma* (GIORDANI SOIKA): GUSENLEITNER 2010: 1030: (tax.).

\**Cyrtolabulus longinus* GUSENLEITNER: GUSENLEITNER 2010: 1030: (cat.).

***Stroudia striaticlypeus* GUSENLEITNER 2002**

*Stroudia striaticlypeus* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

*Stroudia striaticlypeus* GUSENLEITNER: GUSENLEITNER 2010: 1038 (cat.).

***Stroudia tarsata* GUSENLEITNER 2007**

*Stroudia tarsata* GUSENLEITNER: GUSENLEITNER 2010: 1038 (cat.).

***Subancistrocerus budongo* (MEADE-WALDO 1915)**

*Subancistrocerus budongo* (MEADE-WALDO): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

***Subancistrocerus burensis* (GIORDANI SOIKA 1935)**

*Subancistrocerus burensis* (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

***Synagris (Paragris) abyssinica abyssinica* GUÉRIN MENNEVILLE 1848**

*Synagris (Paragris) abyssinica* GUÉRIN MENNEVILLE: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

***Synagris (Paragris) abyssinica albofasciata* MAIDL 1914**

*Synagris (Paragris) abyssinica albofasciata* MAIDL: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

***Synagris (Paragris) abyssinica emarginata* de SAUSSURE 1855**

*Synagris (Paragris) abyssinica emarginata* de SAUSSURE: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

***Synagris (Paragris) analis analis* (de SAUSSURE 1852)**

*Synagris analis* (de SAUSSURE): VESEY-FITZGERALD 1940: 35 (Tanzania (Mafia)).

D i s t r i b u t i o n : Angola, Cameroon, Central African Republic, Democratic Republic of Congo, Eritrea, Ethiopia, Kenya, Malawi, Mozambique, Senegal, Somalia, South Africa, Sudan, Tanzania (Tanzania, Mafia, Zanzibar), Uganda, Zambia, Zimbabwe.

***Synagris (Paragris) biplagiatus* GUSENLEITNER 2005**

*Synagris (Paragris) biplagiatus* GUSENLEITNER: GUSENLEITNER 2010: 1024 (cat.).

***Synagris (Pseudagris) brunnea* (GUSENLEITNER 2007)**

*Pseudagris brunnea* GUSENLEITNER: GUSENLEITNER 2010: 1024 (cat.).

***Synagris (Paragris) calida* (LINNAEUS 1758)**

*Synagris califida* (sic) (LINNAEUS): RILEY 1893: 567 (Congo).

*Synagris calida* (LINNAEUS): DOLLFUSS 1990: 123 (Central African Republic).

\**Synagris sicheliana* de SAUSSURE: ROUBAUD 1910: 3 (biol., Republic of Congo), pl. 1 (figs 1, 3), pl. 2.

***Synagris (Synagris) cornuta cornuta* (LINNAEUS 1758)**

*Vespa cornuta* LINNAEUS: a LINNÉ 1767: 951 (descr., India).

*Vespa cornuta* LINNAEUS: GUÉRIN-MÉNEVILLE 1798: pl. 99 fig. 22).

*Synagris cornuta* (LINNAEUS): WATERSTON 1915: 352 (biol., Ghana).

*Synagris cornuta* (LINNAEUS): DOLLFUSS 1990: 123 (Central African Republic).

***Synagris (Paragris) maxillosa maxillosa* de SAUSSURE 1863**

*Synagris maxillosa* de SAUSSURE: GESS 1996: 299 (app. 2: biol., South Africa).

***Synagris (Paragris) negusi* du BUYSSON 1906**

*Synagris (Paragris) negusi* du BUYSSON: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

***Synagris (Pseudagris) pygmaea* (GUSENLEITNER 1998)**

*Pseudagris punctiventris* GUSENLEITNER: GUSENLEITNER 2010: 1035 (cat.).

***Synagris (Paragris) spiniventris* (ILLIGER 1802)**

\**Synagris aequatorialis* de SAUSSURE: RILEY 1893: 567 (Congo).

\**Synagris calida* (LINNAEUS): ROUBAUD 1908: 695 (biol., Central African Republic, Mozambique, Republic of Congo).

\**Synagris* sp.: LUCAS 1878: 156 (biol., Tanzania).

**Distribution:** Angola, Benin, Burkina Faso, Burundi, Cameroon, Central African Republic, Democratic Republic of Congo, Eritrea, Gabon, Gambia, Ghana, Guinea Bissau, Ivory Coast, Kenya, Mali, Mozambique, Nigeria, Republic of Congo, Republic of Guinea, Rwanda, Senegal, Sierra Leone, Tanzania, Togo, Uganda, Zimbabwe.

Known from the Palearctic Region.

LUCAS 1878 is cited as *Synagris calida* (LINNAEUS) under *Synagris (Paragris) spiniventris*.

***Synagris (Paragris) spinosuscula* de SAUSSURE 1852**

*Synagris (Paragris) spinosuscula* de SAUSSURE: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

***Synagris (Pseudagris) versicolor* von SCHULTHESS-RECHBERG 1914**

*Synagris versicolor* von SCHULTHESS-RECHBERG: TAEGER, GAEDIKE & BLANK 2005: 250 (tax., Cameroon, Sierra Leone, Togo, cat.).

***Synagris (Rhynchagris) zebra* (GUSENLEITNER 2000)**

*Rhynchagris zebra* GUSENLEITNER: GUSENLEITNER 2010: 1040 (cat.).

***Syneodynerus zavattarianus* (GIORDANI SOIKA 1944)**

***Tachymenes abruptus* GUSENLEITNER 2002**

*Tachymenes abruptus* GUSENLEITNER: GUSENLEITNER 2010: 1023 (cat.).

***Tricarinynerus anceps bequaerti* (SCHOUTEDEN 1919)**

*Odynerus anceps* ssp. *albofasciatus* von SCHULTHEB 1928: TAEGER, GAEDIKE & BLANK 2005: 247 (tax., Zambia, Zimbabwe, cat.).

***Xanthodynerus lucidus* GUSENLEITNER 2006**

*Xanthodynerus lucidus* GUSENLEITNER: GUSENLEITNER 2010: 1030 (cat.).

***Zetheumenidion femoratum femoratum* (von SCHULTHESS-RECHBERG 1910)**

*Zetheumenidion femoratus* (von SCHULTHESS-RECHBERG): GESS 1996: 288 (app. 2: biol., South Africa).

***Zetheumenidion invertitum* (GIORDANI SOIKA 1944)**

***Zethus (Zethus) guineensis* GUSENLEITNER 2005**

*Zethus (Zethus) guineensis* GUSENLEITNER: GUSENLEITNER 2010: 1027 (cat.).

***Zethus (Zethus) namibicus* GUSENLEITNER 1997**

*Zethus namibicus* GUSENLEITNER: GUSENLEITNER 2010: 1032 (cat.).

***Zethus (Zethus) rothschildanus* (du BUYSSON 1906)**

*Zethus (Zethus) rothschildanus* (du BUYSSON): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

***Zethus (Zethus) yarrowi* GIORDANI SOIKA 1979**

*Zethus yarrowi* GIORDANI SOIKA: GESS 1996: 298 (app. 2: biol., South Africa).

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## Corrections: References

Missing in references of the Genus *Antepipona* de SAUSSURE:

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Correct citation of following papers:

SCHULTHESS-SCHINDLER A. de (1899): La faune entomologique du Delagoa. Hymenoptères. — Bulletin de la Société Vaudoise des Sciences Naturelles 35 (132): 249-277.

TULLGREN A. (1904): On some Hymenoptera Aculeata from the Cameroons with an appendix: On some type-species of the genus *Scolia* and *Belenogaster* in the Royal Museum at Stockholm. — Arkiv for Zoologi 1 (21) 445-463, pls 22-25.

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## Zusammenfassung

Ergänzungen und Richtigstellungen zu Teil I und II werden mitgeteilt. Mehrere taxonomische Änderungen werden vorgenommen. Ein kurzer Überblick zur Systematik der äthiopischen Eumeninae ist beigefügt.

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Valid names are printed in bold, synonyms in italics and invalid names (misidentifications included) in normal letters. If an invalid name is mentioned on the same page under different species, the page number is cited e.g. twice.

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| tridotata GIORDANI SOIKA, Pseudepipona.....            | I: 615                |
| <b>tridotatus</b> GIORDANI SOIKA, Antodynerus.....     | I: 615                |
| tridotatus GIORDANI SOIKA, Odynerus.....               | I: 615                |
| <b>trifasciatus</b> GIORDANI SOIKA, Afreumenes.....    | I: 532                |
| <b>tripunctatus</b> GIORDANI SOIKA, Xanthodynerus..... | II: 300               |
| <b>trispinosa</b> TULLGREN, Synagris.....              | II: 267               |
| trispinosa TULLGREN, Synagris.....                     | II: 267               |
| tropica de SAUSSURE, Eumenes.....                      | II: 114               |
| <b>tropicale</b> de SAUSSURE, Delta.....               | II: 114, III: 938     |
| tropicalis de SAUSSURE, Delta.....                     | II: 114               |
| tropicalis de SAUSSURE, Eumenes.....                   | II: 114               |
| <b>tropicalis</b> de SAUSSURE, Antepipona.....         | I: 577, III: 932      |
| tropicalis de SAUSSURE, Eumenes.....                   | II: 114               |
| tropicalis de SAUSSURE, Odontodynerus.....             | I: 578                |
| tropicalis de SAUSSURE, Odynerus.....                  | I: 567                |
| <b>tropicaloides</b> GIORDANI SOIKA, Antepipona.....   | I: 567, III: 929      |
| tropida SCHLETTERER, Synagris.....                     | II: 295               |
| <i>tropidia</i> SCHLETTERER, Synagris.....             | II: 295               |

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|---|----------------------------|
| <i>tropidium</i> SCHLETTERER, Rhynchium.....            | II: 295                    |
| <i>truncatus</i> de SAUSSURE, Odynerus .....            | II: 194                    |
| <b>tuareg</b> GUSENLEITNER, Leptochilus .....           | II: 158, III: 940          |
| tuberculivertex GIORDANI SOIKA, Odontodynerus .....     | I: 577                     |
| <b>turbulenta</b> GIORDANI SOIKA, Antepipona .....      | I: 578                     |
| turneri GIORDANI SOIKA, Odynerus.....                   | II: 154, III: 940          |
| <b>turneri</b> GIORDANI SOIKA, Knemodynerus .....       | II: 154                    |
| turneri GIORDANI SOIKA, Pseudepipona .....              | II: 154                    |
| <b>turneri</b> von SCHULTHESS, Alastor.....             | I: 545                     |
| <b>tussaci</b> GIORDANI SOIKA, Cyrtolabulus.....        | I: 635                     |
| <i>ueleensis</i> BEQUAERT, Odynerus.....                | I: 609                     |
| ugandae MEADE-WALDO, Synagris .....                     | II: 265                    |
| <b>ugandensis</b> GIORDANI SOIKA, Leptomenes.....       | II: 161                    |
| <i>ukerewensis</i> von SCHULTHESS, Odynerus.....        | I: 567, III: 929           |
| <b>ulricae</b> GUSENLEITNER, Cyrtolabulus.....          | I: 635, III: 936           |
| uncata TULLGREN, Synagris.....                          | I: 593                     |
| <b>uncatum</b> TULLGREN, Anterhynchium .....            | I: 593                     |
| uncatum TULLGREN, Rhynchium.....                        | I: 593                     |
| uncatus TULLGREN, Odynerus .....                        | I: 593                     |
| <b>uncinata</b> GIORDANI SOIKA, Pseudonortonia .....    | II: 214                    |
| <i>unicolor</i> von SCHULTHESS, Odynerus.....           | II: 195                    |
| unicolor von SCHULTHESS, Pseudepipona .....             | II: 195                    |
| <b>unicoloripenne</b> GIORDANI SOIKA, Delta.....        | II: 109                    |
| <b>unimarginatus</b> GIORDANI SOIKA, Ancistrocerus..... | I: 556                     |
| urundiensis GIORDANI SOIKA, Hymenosmithia .....         | II: 163, III: 941          |
| <i>urundiensis</i> GIORDANI SOIKA, Labus .....          | II: 163                    |
| <i>usambaraense</i> CAMERON, Rhynchium .....            | I: 586                     |
| usambaraense CAMERON, Rhynchium .....                   | I: 586                     |
| <b>usambaraensis</b> GIORDANI SOIKA, Eumenes .....      | II: 131                    |
| usambarensis CAMERON, Odynerus .....                    | I: 586                     |
| <b>vaalensis</b> CAMERON, Antepipona .....              | I: 578, III: 932           |
| <i>vaalensis</i> CAMERON, Odynerus.....                 | I: 578, III: 932           |
| <i>variventris</i> CAMERON, Eumenes .....               | II: 106                    |
| <b>vastator</b> GIORDANI SOIKA, Anterhynchium .....     | I: 594                     |
| ventralis de SAUSSURE, Odynerus.....                    | II: 294                    |
| ventralis de SAUSSURE, Pseudepipona .....               | II: 295                    |
| ventralis de SAUSSURE, Rhynchium.....                   | II: 294                    |
| <b>ventralis</b> de SAUSSURE, Tricarinynerus.....       | II: 294                    |
| <b>verhoeffi</b> GIORDANI SOIKA, Antepipona.....        | I: 579                     |
| <b>versicolor</b> KIRBY, Antodynerus.....               | I: 617                     |
| versicolor KIRBY, Odynerus.....                         | I: 616, 617, 617, 617, 618 |
| versicolor KIRBY, Pseudepipona .....                    | I: 617                     |
| versicolor KIRBY, Rhynchium.....                        | I: 617                     |

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| <i>versicolor</i> MEADE-WALDO, <i>Odynerus</i> .....               | I: 618                |
| <b>versicolor</b> von SCHULTHESS, <i>Pseudochilus</i> .....        | II: 202               |
| <i>versicolor</i> von SCHULTHESS, <i>Pterochilus</i> .....         | II: 202               |
| <i>versicolor</i> von SCHULTHESS-RECHBERG, <i>Pseudagris</i> ..... | II: 276               |
| <b>versicolor</b> von SCHULTHESS-RECHBERG, <i>Synagris</i> .....   | II: 276               |
| <i>vicaria</i> STADELMANN, <i>Rhynchagris</i> .....                | II: 277               |
| <b>vicaria</b> STADELMANN, <i>Synagris</i> .....                   | II: 277               |
| <b>vigilans</b> BLÜTHGEN, <i>Ancistrocerus</i> .....               | I: 559                |
| <i>villiersi</i> GIORDANI SOIKA, <i>Odontodynerus</i> .....        | I: 579                |
| <i>vinciguerrae</i> GUIGLIA, <i>Allodynerus</i> .....              | I: 551, III: 926      |
| <i>vinciguerrae</i> GUIGLIA, <i>Odynerus</i> .....                 | I: 551                |
| <b>violaceipennis</b> GIORDANI SOIKA, <i>Paravespa</i> .....       | III: 944              |
| <i>violaceipennis</i> GIORDANI SOIKA, <i>Gestrodynerus</i> .....   | II: 186               |
| <i>violaceipennis</i> GIORDANI SOIKA, <i>Paravespa</i> .....       | II: 186               |
| <b>violaceus</b> GIORDANI SOIKA, <i>Afreumenes</i> .....           | I: 532, III: 924      |
| <i>violaceus</i> GIORDANI SOIKA, <i>Eumenes</i> .....              | I: 532                |
| <i>viridipennis</i> GIORDANI SOIKA, <i>Odynerus</i> .....          | II: 226               |
| <b>viridipennis</b> GIORDANI SOIKA, <i>Rhynchalastor</i> .....     | II: 226               |
| <i>viridipennis</i> GIORDANI SOIKA, <i>Stenodyneroides</i> .....   | II: 226               |
| <b>voiensis</b> GUSENLEITNER, <i>Micreumenes</i> .....             | II: 169, III: 942     |
| <i>vulneratus</i> de SAUSSURE, <i>Leptomenes</i> .....             | II: 288               |
| <i>vulneratus</i> de SAUSSURE, <i>Odynerus</i> .....               | II: 288               |
| <b>vulneratus</b> de SAUSSURE, <i>Tachymenes</i> .....             | II: 288               |
| <i>walkeri</i> RITSEMA, <i>Eumenes</i> .....                       | I: 527                |
| <b>warmbadensis</b> GIORDANI SOIKA, <i>Antodynerus</i> .....       | I: 606                |
| <i>warmbadensis</i> GIORDANI SOIKA, <i>Odynerus</i> .....          | I: 606                |
| <i>warmbadensis</i> GIORDANI SOIKA, <i>Pseudepipona</i> .....      | I: 606                |
| <b>wellmani</b> MEADE-WALDO, <i>Antodynerus</i> .....              | I: 618, III: 935      |
| <i>wellmani</i> MEADE-WALDO, <i>Odynerus</i> .....                 | I: 618, 618, III: 935 |
| <i>wellmani</i> MEADE-WALDO, <i>Pseudepipona</i> .....             | I: 618                |
| <b>wellmanoides</b> GIORDANI SOIKA, <i>Antodynerus</i> .....       | I: 618                |
| <i>wellmanoides</i> GIORDANI SOIKA, <i>Odynerus</i> .....          | I: 618                |
| <i>wellmanoides</i> GIORDANI SOIKA, <i>Pseudepipona</i> .....      | I: 618                |
| <i>whiteanus</i> CAMERON, <i>Odynerus</i> .....                    | I: 578                |
| <b>willowmorensis</b> GIORDANI SOIKA, <i>Pseudepipona</i> .....    | II: 200               |
| <b>willowmorensis</b> GIORDANI SOIKA, <i>Ovodynerus</i> .....      | II: 176               |
| <i>xanthaspis</i> CAMERON, <i>Eumenes</i> .....                    | I: 528                |
| <i>xanthosoma</i> SCHLETTERER, <i>Odynerus</i> .....               | II: 230               |
| <b>xanthosoma</b> SCHLETTERER, <i>Rhynchalastor</i> .....          | II: 230               |
| <i>xanthura</i> de SAUSSURE, <i>Synagris</i> .....                 | II: 259               |
| <b>yarrowi</b> GIORDANI SOIKA, <i>Zethus</i> .....                 | II: 307               |
| <i>yingvei</i> CAMERON, <i>Odynerus</i> .....                      | II: 176               |
| <b>yingvei</b> CAMERON, <i>Ovodynerus</i> .....                    | II: 176, III: 943     |

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| <i>zairensis</i> BEQUAERT, <i>Ancistrocerus</i> .....                  | II: 210           |
| <i>zairensis</i> BEQUAERT, <i>Pseudonortonia</i> .....                 | II: 210           |
| <b><i>zairensis</i></b> GUSENLEITNER, <i>Globepipona</i> .....         | II: 146, III: 940 |
| <b><i>zambiana</i></b> GUSENLEITNER, <i>Antepipona</i> .....           | I: 579, III: 932  |
| <i>zanzibaricus</i> GUSENLEITNER, <i>Knemodynerus</i> .....            | II: 152           |
| <i>zavattariana</i> GIORDANI SOIKA, <i>Pseudepipona</i> .....          | II: 286           |
| <i>zavattarianus</i> GIORDANI SOIKA, <i>Odynerus</i> .....             | II: 286           |
| <b><i>zavattarianus</i></b> GIORDANI SOIKA, <i>Syneuodynerus</i> ..... | II: 286           |
| <i>zavattarii</i> GIORDANI SOIKA, <i>Labus</i> .....                   | I: 635            |
| <b><i>zavattarii</i></b> GIORDANI SOIKA, <i>Cyrtolabulus</i> .....     | I: 635            |
| <i>zebra</i> GUSENLEITNER, <i>Rhynchagris</i> .....                    | II: 277           |
| <b><i>zebra</i></b> GUSENLEITNER, <i>Synagris</i> .....                | II: 277           |
| <i>zebra</i> de SAUSSURE, <i>Ancistrocerus</i> .....                   | I: 558, III: 927  |
| <b><i>zebra</i></b> de SAUSSURE, <i>Ancistrocerus</i> .....            | I: 559            |
| <i>zebra</i> de SAUSSURE, <i>Odynerus</i> .....                        | I: 559            |
| <i>zebroides</i> MEADE-WALDO, <i>Gestrodynerus</i> .....               | II: 186           |
| <i>zebroides</i> MEADE-WALDO, <i>Odynerus</i> .....                    | II: 186           |
| <b><i>zebroides</i></b> MEADE-WALDO, <i>Paravespa</i> .....            | II: 186, III: 944 |
| <b><i>zethiformis</i></b> GIORDANI SOIKA, <i>Cyrtolabulus</i> .....    | I: 636, III: 936  |
| <i>zethiformis</i> GIORDANI SOIKA, <i>Labus</i> .....                  | I: 636            |
| <b><i>zimbabwensis</i></b> GIORDANI SOIKA, <i>Micreumenes</i> .....    | II: 165           |

**Table 1:** Updated list of valid genera, species and subspecies in the Ethiopian Region and Malagasy Subregion and their numbers.

| Genus                    | Ethiopian Region |            | Malagasy Subregion |            |
|--------------------------|------------------|------------|--------------------|------------|
|                          | Species          | Subspecies | Species            | Subspecies |
| <i>Aethiopicodynerus</i> | 13               | 2          |                    |            |
| <i>Afrepipona</i>        | 2                |            |                    |            |
| <i>Afreumenes</i>        | 7                | 10         |                    |            |
| <i>Afrodynerus</i>       | 1                |            |                    |            |
| <i>Afrogamma</i>         | 1                |            |                    |            |
| <i>Alastor</i>           | 42               | 1          | 2                  |            |
| <i>Allepipona</i>        | 7                | 1          |                    |            |
| <i>Allodynerus</i>       | 3                | 1          |                    |            |
| <i>Ancistrocerus</i>     | 21               | 12         |                    |            |
| <i>Antepipona</i>        | 79               | 5          | 4                  |            |
| <i>Anterhynchium</i>     | 17               | 14         | 3                  | 2          |
| <i>Antodynerus</i>       | 46               | 21         |                    |            |
| <i>Astalor</i>           | 2                |            |                    |            |
| <i>Carinstrocerus</i>    | 2                |            |                    |            |
| <i>Chlorodynerus</i>     | 7                | 3          |                    |            |

| Genus                      | Ethiopian Region |            | Malagasy Subregion |            |
|----------------------------|------------------|------------|--------------------|------------|
|                            | Species          | Subspecies | Species            | Subspecies |
| <i>Convextrocerus</i>      | 2                |            |                    |            |
| <i>Cyphodynerus</i>        | 5                | 3          |                    |            |
| <i>Cyrtalastor</i>         | 1                |            |                    |            |
| <i>Cyrteumenes</i>         |                  |            | 3                  |            |
| <i>Cyrtolabulus</i>        | 28               |            | 5                  |            |
| <i>Delta</i>               | 19               | 15         | 6                  | 1          |
| <i>Ectopioglossa</i>       | 3                |            |                    |            |
| <i>Elisella</i>            | 1                |            |                    |            |
| <i>Emeryrhynchium</i>      | 1                |            |                    |            |
| <i>Eumenes</i>             | 12               | 5          |                    |            |
| <i>Eumenidiopsis</i>       | 8                |            |                    |            |
| <i>Euodynerus</i>          | 7                | 1          | 1                  |            |
| <i>Eustenancistrocerus</i> | 5                |            |                    |            |
| <i>Extreuodynerus</i>      | 1                |            |                    |            |
| <i>Gibberhynchium</i>      | 1                |            |                    |            |
| <i>Gioiella</i>            | 3                |            |                    |            |
| <i>Giordania</i>           |                  |            | 2                  |            |
| <i>Globepipona</i>         | 1                |            |                    |            |
| <i>Globodynerus</i>        | 1                |            |                    |            |
| <i>Interzumia</i>          | 1                |            |                    |            |
| <i>Ischnogasteroides</i>   | 1                |            |                    |            |
| <i>Katamenes</i>           | 3                | 3          |                    |            |
| <i>Knemodynerus</i>        | 10               |            | 3                  |            |
| <i>Lamellodynerus</i>      | 1                |            |                    |            |
| <i>Leptochilus</i>         | 4                |            |                    |            |
| <i>Leptomenes</i>          | 8                | 1          | 3                  |            |
| <i>Malagassodynerus</i>    |                  |            | 1                  |            |
| <i>Malgachemenes</i>       |                  |            | 1                  |            |
| <i>Micreumenes</i>         | 29               | 2          |                    |            |
| <i>Nirtenia</i>            | 1                |            |                    |            |
| <i>Odynerus</i>            | 2                |            |                    |            |
| <i>Omicrabulus</i>         | 6                | 1          |                    |            |
| <i>Ovodynerus</i>          | 11               | 1          |                    |            |
| <i>Pachodynerus</i>        | 1                |            |                    |            |
| <i>Paraleptomenes</i>      |                  |            | 1                  |            |
| <i>Paramischocyttarus</i>  | 4                |            | 1                  |            |
| <i>Paravespa</i>           | 13               | 4          |                    |            |

| Genus                     | Ethiopian Region |            | Malagasy Subregion |            |
|---------------------------|------------------|------------|--------------------|------------|
|                           | Species          | Subspecies | Species            | Subspecies |
| <i>Pareumenes</i>         | 4                | 4          |                    |            |
| <i>Polistepipona</i>      | 2                | 3          |                    |            |
| <i>Postepipona</i>        | 1                |            | 1                  |            |
| <i>Proepipona</i>         | 7                | 9          |                    |            |
| <i>Pseudepipona</i>       | 2                | 1          |                    |            |
| <i>Pseudochilus</i>       | 5                | 1          |                    |            |
| <i>Pseudodontodynerus</i> | 4                | 1          |                    |            |
| <i>Pseudonortonia</i>     | 39               | 1          |                    |            |
| <i>Pseudozumia</i>        | 1                |            |                    |            |
| <i>Pterocheilus</i>       | 1                |            |                    |            |
| <i>Pteromenes</i>         | 1                |            |                    |            |
| <i>Raphiglossa</i>        | 4                |            | 1                  |            |
| <i>Raphiglossoides</i>    | 2                |            |                    |            |
| <i>Rhynchalastor</i>      | 27               | 5          |                    |            |
| <i>Rhynchium</i>          | 3                | 5          | 1                  |            |
| <i>Simplepipona</i>       |                  |            | 1                  |            |
| <i>Stellepipona</i>       | 7                | 1          |                    |            |
| <i>Stroudia</i>           | 56               | 3          |                    |            |
| <i>Subancistrocerus</i>   | 4                | 1          | 1                  |            |
| <i>Synagris</i>           | 34               | 21         |                    |            |
| <i>Syneuodynerus</i>      | 1                |            |                    |            |
| <i>Tachyancistrocerus</i> | 1                |            |                    |            |
| <i>Tachymenes</i>         | 3                |            |                    |            |
| <i>Trachyodynerus</i>     | 1                |            |                    |            |
| <i>Tricarinyodynerus</i>  | 8                | 5          |                    |            |
| <i>Tuleara</i>            |                  |            | 1                  | 1          |
| <i>Xanthodynerus</i>      | 5                |            |                    |            |
| <i>Zetheumenidion</i>     | 5                | 1          |                    |            |
| <i>Zethus</i>             | 14               |            | 2                  |            |
| 81                        | 686              | 168        | 44                 | 4          |



**Table 2:** Updated list of genera and species incertae sedis in the Ethiopian Region and Malagasy Subregion and their numbers.

| Genus                             | Ethiopian Region |            | Malagasy Subregion |            |
|-----------------------------------|------------------|------------|--------------------|------------|
|                                   | Species          | Subspecies | Species            | Subspecies |
| <i>Catilostenus</i> MEUNIER 1888  | 1                |            |                    |            |
| ( <i>Eumenes</i> LATREILLE 1802)  | 1                |            |                    |            |
| ( <i>Odynerus</i> LATREILLE 1802) | 18               |            | 9                  |            |
| ( <i>Rhynchium</i> SPINOLA 1806)  | 3                |            |                    |            |
| 1                                 | 23               |            | 9                  |            |

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