

# ZOOTAXA

463

**Catalogue of Diplotaxini (Coleoptera: Scarabaeidae: Melolonthinae)  
of the Old World**

ALEŠ BEZDĚK



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## Abstract

A catalogue of all known Old World species of the tribe Diplotaxini is presented. As of 31 December 2003, 13 genera and 422 currently valid species and subspecies are recognized. Two new names are established: *Apogonia burgeoni* nom. nov. for *A. moseri* Burgeon, 1945 (nec Ritsema, 1912) and *Apogonia miyakei* nom. nov. for *A. ovata* Miyake and Yamaguchi, 1998 (nec Fåhræus in Boheman, 1857). The original spelling of *Apogonia saleijana* Heller, 1897 is selected here as the correct one by the action of First Reviser. The following new combinations are proposed: *Dichecephala moseri* (Ritsema, 1912) comb. nov., *D. nasalis* (Karsch, 1882) comb. nov., *D. somalina* (Frey, 1976) comb. nov., *Metagonia brunoi* (Frey, 1976) comb. nov., *M. kaszabi* (Frey, 1974) comb. nov., *M. mediocris* (Kolbe, 1891) comb. nov., *M. platypus* (Kolbe, 1899) comb. nov., and *M. platypyge* (Kolbe, 1899) comb. nov. *Metagonia mediocris* (Kolbe, 1899) is designated here as the type species of the genus *Metagonia* Kolbe, 1899. A separate list of all taxa with uncertain status and nomina nuda is also given.

**Key words:** Coleoptera, Scarabaeoidea, Diplotaxini, Old World, catalogue

## Introduction

The melolonthine tribe Diplotaxini Burmeister, 1855 has a worldwide distribution, but the majority of species are found in the Ethiopian, Neotropical, Nearctic and Oriental regions. Members of the tribe Diplotaxini are characterized by the combination of following features: antennae 9- or 10-segmented with 3-segmented club; labrum visible, transverse, nearly straight, located below clypeus; apical part of fore coxa subvertical; abdominal ventrite 5 and propygidium not separated by suture, abdominal ventrite 6 nearly completely retracted beneath ventrite 5; metatibial spurs contiguous, located below tarsal articulation (Lacroix, 1989; Evans, 2002).

The main aim of the present catalogue is to summarize all relevant literature sources dealing with this group. I have refrained from a comprehensive generic treatment of the Old World Diplotaxini due to the extremely poor knowledge of most taxa involved, since the majority of diplotaxine taxa under study have been covered only by the original description. Moreover, several valid species names have never been published in the Zoological Record database (e.g., *Apogonia takasagoensis* Sawada, 1940), or they appeared only many years after the original description (e.g., *Apogonia subaenea* Kolbe, 1914). Thus, the present review is a necessary prerequisite for any revisions planned in the future.

For the purpose of this catalogue, I accept the provisional generic treatment as proposed by Moser (1918) and Burgeon (1945) concerning former subgenera of the genus *Apogonia* Kirby, 1819. This means *Ceratogonia* Kolbe, 1899, *Metagonia* Kolbe, 1899, and *Rhynchogonia* Arrow, 1902, as well as the genus *Dichecephala* Brenske, 1895 (syn. *Catagonia* Kolbe, 1899) are assumed to be valid genera.

The following diplotaxine genera lie outside the scope of the catalogue: *Homalochilus* Blanchard, 1850 (2 species distributed in Argentina), *Homoliogenys* Gutiérrez, 1952 (1