



Article

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Taxonomy of the genus *Medhiama* Bordoni, 2002 (Coleoptera: Staphylinidae, Staphylininae, Xantholinini) with descriptions of three new species

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Abstract

The taxonomy of the genus *Medhiama* Bordoni, 2002 (Coleoptera: Staphylinidae, Staphylininae, Xantholinini) was studied in this paper, with the descriptions of three new species: *Medhiama xiaolongmenensis* sp. n. from Beijing and Sichuan, *M. liupanshanensis* sp. n. from Ningxia and *M. nigromagna* sp. n. from Sichuan. The number of species of the genus *Medhiama* therefore increased to 16. Five existing species are redescribed and/or their female diagnostic characteristics are also added. A key to 13 species is provided, not including the three which are known from single females. The geographical distributions of the species are shown on maps. The type specimens of the new species are deposited in Institute of Zoology, Chinese Academy of Sciences (IZ-CAS).

Key words: Coleoptera, Staphylinidae, Xantholinini, *Medhiama*, new species, identification key, distribution map

Introduction

The tribe Xantholinini is a large rove beetle group of more than 75 genera and was considered as one of the six tribe-level taxa in the subfamily Staphylininae (Coleoptera: Staphylinidae) by most taxonomists (Assing, 2000; Chatzimanolis, Cohen, Schomann, & Solodovnikov, 2010; Herman, 2001; Newton, Thayer, Ashe, & Chandler, 2000; Zhou, 2005). The genus *Medhiama* Bordoni, 2002 is one of those genera belonging to the tribe Xantholinini. The major taxonomic contributions to this genus were made by Bordoni (2002, 2003a, 2003b, 2004, 2007a, 2007b, 2011), the author who erected the genus (Bordoni, 2002). Originally, it included only three species: *Xantholinus pauper* Sharp, 1889, *M. formosana* Bordoni, 2002 and *M. schawalleri* Bordoni, 2002. He described seven additional species (*M. shichuanica* Bordoni, 2003, *M. zhengi* Bordoni, 2003, *M. wallstromi* Bordoni, 2003, *M. puetzi* Bordoni, 2003, *M. shanica* Bordoni, 2004, *M. lanzhouensis* Bordoni, 2004, *M. rhododendri* Bordoni, 2007) and transferred three previously described species (*X. densicephalus* Bernhauer, 1938, *X. densiceps* Bernhauer, 1933, *X. kochi* Bernhauer, 1940) from the genus *Xantholinus* to this genus. In addition, two other colleagues published additional contributions. Assing (2010) provided the photos of the habitus and the aedeagus of the holotype of *Medhiama schawalleri* Bordoni, 2002, and Shibata *et al.* (2006) reported *Medhiama paupera* (Sharp, 1889) inform the Kuril Archipelago, Japan.

Xantholinus densicephalus Bernhauer, 1938, *X. densiceps* Bernhauer, 1933 and *X. kochi* Bernhauer, 1940 were all originally described from single female specimens. Bordoni (2007b) noted that “La specie è stata descritta su un esemplare di sesso femminile e solo lo studio del maschio potrà chiarirne la posizione tassonomica.” He transferred them to the genus *Medhiama*. We did not find any male specimens matched with these three species. We have followed Bordoni’s (2007b) treatment and placed tentatively the three species in the genus *Medhiama* and did not include them in the key to species.

In this paper we studied the taxonomy of the genus *Medhiama* Bordoni, 2002 (Coleoptera: Staphylinidae, Staphylininae, Xantholinini). Three new species were described from China: *Medhiama xiaolongmenensis* sp. n.