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A new species of the genus *Oxyporus* Fabricius (Coleoptera: Staphylinidae: Oxyporinae) in Yunnan, China

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Abstract

Oxyporus (Oxyporus) bingshengae sp. nov. in Yunnan, China, is described. Color images of the habitus and aedeagus of the new species are included. A key to the species of *Oxyporus* of Yunnan is provided.

Key words: Staphylinidae, Oxyporinae, *Oxyporus*, new species, Yunnan, China

Introduction

The genus *Oxyporus* Fabricius was established by Fabricius in 1775, with *Staphylinus rufus* Linné as the type species. Before this study, 126 species of the genus were known worldwide in the Palearctic, Oriental, Nearctic and Neotropical Regions (Herman, 2001). In the subgenus *Oxyporus*, 43 species were hitherto known to occur in China (Bernhauer, 1933, 1938, 1943; Alekandrov, 1933, 1934; Adachi, 1939; Hayashi, 1975, 1985; Zheng, 1992, 1997, 2010, 2011; Li, 1992, 1993; Huang et al, 2005, 2006; Li et al, 2011, 2015), with 36 recorded from Mainland China and 7 from Taiwan. However, only 9 species have been reported from Yunnan, China. During this study on the *Oxyporus* of Yunnan, we found that our specimens represent a new species. Herein, we describe *Oxyporus (Oxyporus) bingshengae* sp. nov., and provide color images of the habitus and aedeagus.

Material and methods

In summer of 2013, the first author made a collecting trip to Mojiang County, Southwestern Yunnan, where one new species of the genus *Oxyporus* was captured from fungi in the forest. To examine the male genitalia, the last three abdominal segments were detached from the body after softening the beetles in hot water. Sternites and aedeagus were mounted in glycerine on plastic slides. Photos of habitus, sternites and aedeagus were taken using a OLYMPOUS SZX16 microscope. The examined specimens were collected in the suburbs of Mojiang county and are deposited in Yunnan Forestry Technological College, Yunnan. The holotype of the new species is deposited in Yunnan Forestry Technological College(YFTC).

The following abbreviations of body measurements, in millimeters, were used:

BL: body length, measured from the anterior margin of the clypeus to anal end

FBL: fore body length, measured from the anterior margin of the clypeus to elytral apices

ML: length of mandible (along medial line)

HL: head length (from the anterior margin of the clypeus to hind margin)

HW: width of head including eyes

TL: length of temple (maximal)