



Two new species of *Oxycera* and description of the female of *O. signata* Brunetti from China (Diptera, Stratiomyidae)

ZAIHUA YANG¹, LIANMENG WEI² & MAOFA YANG^{3,4}

¹Key Laboratory for Plant Pest Management of Mountainous Region, Guizhou Province. Institute of Entomology, Guizhou University, Guiyang 550025, P. R. China. E-mail: yangzaihua008@126.com

²Guizhou Anshun Center for Disease Control and Prevention, Anshun 561000, P. R. China. E-mail: wlmcdc@126.com

³Key Laboratory for Plant Pest Management of Mountainous Region, Guizhou Province. Institute of Entomology, Guizhou University, Guiyang 550025, P. R. China

⁴Corresponding author. E-mail: yangmaofa68@hotmail.com

Abstract

Two new species, *Oxycera qiana* **sp. nov.** and *Oxycera micronigra* **sp. nov.**, are described from China. *Oxycera signata* Brunetti, 1920 is recorded for the first time from China with the female described for the first time. Diagnostic characters of all three species are illustrated. A key to the Chinese *Oxycera* species (19 spp.) is presented.

Key words: Diptera, Stratiomyidae, *Oxycera*, new species, new records, China, India

Introduction

Sixteen species of *Oxycera* have been recorded from China (Yang & Nagatomi 1993; Woodley 2001; Yang *et al.* 2008): *O. apicalis* (Kertész, 1914), *O. chikuni* Yang & Nagatomi, 1993, *O. excellens* (Kertész, 1914), *O. fenestrata* (Kertész, 1914), *O. guangxiensis* Yang & Nagatomi, 1993, *O. laniger* (Séguy, 1934), *O. lii* Yang & Nagatomi, 1993, *O. qinghensis* Yang & Nagatomi, 1993, *O. quadripartita* (Lindner, 1940), *O. sinica* (Pleske, 1925), *O. meigenii* Staeger, 1844, *O. tangi* (Lindner, 1940), *O. trilineata* (Linnaeus, 1767), *O. vertipila* Yang & Nagatomi, 1993, *O. guizhouensis* Yang *et al.*, 2008, and *O. basalis* Zhang *et al.*, 2009. During our recent study on Stratiomyidae in southwestern China, we discovered three species which represent an interesting addition to the *Oxycera* fauna of China: *Oxycera qiana* **sp. nov.** and *Oxycera micronigra* **sp. nov.** are new to science, and *O. signata* Brunetti, 1920 is a new record for China. This raises the total number of *Oxycera* species in China to 19.

Material and methods

Specimens examined in this study are deposited in the Insect Collection at the Institute of Entomology, Guizhou University, Guiyang, Guizhou Province, P. R. China (GUGC). Morphological terminology follows Merz & Haenni (2000).

Key to species of *Oxycera* Meigen from China

(partly based on a key of Yang & Nagatomi 1993)

- 1 Abdomen wholly black, at most with very narrow yellow or reddish yellow distal margin of tergite 5 2