

New species of *Chrysosoma* Guérin-Méneville (Diptera: Dolichopodidae), with a key to Chinese species

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Abstract

There are 21 species of the genus *Chrysosoma* Guérin-Méneville known from China. The following four species are added to the fauna of China: *Chrysosoma nanlingense* sp. nov., *C. ruyuanense* sp. nov., *C. shixingense* sp. nov. and *C. zengchengense* sp. nov. A key to the species of *Chrysosoma* from China is given. The distribution of the genus in China is also discussed.

Key words: Diptera, Dolichopodidae, *Chrysosoma*, new species, China

Introduction

The genus *Chrysosoma* Guérin-Méneville belongs to the subfamily Sciapodinae. It was founded by Guérin-Méneville in 1831 with the type species *Chrysosoma fasciata* Guérin-Méneville, 1831, and subsequently designated by Enderlein in 1912. The genus is the second largest genus in the subfamily Sciapodinae. The species of genus can be identified by the following characters: body often stout; arista apical, and much longer than the width of head; FI usually with strong ventral bristles; TI usually with strong dorsal chaetotaxy; cercus mostly forked. At present, there are more than 100 species occurring around the world. Due to the hard work of D. Yang, L. L. Zhang, L. M. Wei and other researchers, there are the following 21 species known from China: *Chrysosoma chinense* Becker, 1922; *C. crasum* Yang et Saigusa, 2001; *C. crinicornis* (Wiedemann, 1824); *C. cupido* (Walker, 1849); *C. cyaneculiscutum* Bickel et Wei, 1996; *C. dalianum* Yang et Saigusa, 2001; *C. floccosum* Becker, 1922; *C. globiferum* (Wiedemann, 1830); *C. guangdongense* Zhang, Yang et Grootaert, 2003; *C. guizhouense* Yang, 1995; *C. hainanum* Yang, 1998; *C. hangzhouense* Yang, 1995; *C. insensibile* Yang, 1995; *C. jinpinganum* Yang et Saigusa, 2001; *C. leucopogon* (Wiedemann, 1824); *C. luchunanum* Yang et Saigusa, 2001; *C. pallipilosum* Yang et Saigusa, 2001; *C. piriforme* Becker, 1922; *C. serratum* Yang et Saigusa, 2001; *C. xanth-*