



***Chrysosoma* from Vietnam, with description of a new species and a key to Vietnamese species (Diptera: Dolichopodidae)**

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Abstract

Six species of *Chrysosoma* Guérin-Ménéville are recorded from Vietnam, including *Chrysosoma vietnamense* **sp. nov.** A key to the species of the genus from Vietnam is given for the first time.

Key words: Diptera, Dolichopodidae, *Chrysosoma*, Vietnam

Introduction

Chrysosoma Guérin-Ménéville is a large genus with 207 known species worldwide, most of which are restricted in the Oriental, Australian and Afrotropical regions (Bickel 1994; Yang *et al.* 2006). Two species are currently known to occur in Vietnam (Bickel 1994; Yang *et al.* 2011): *Chrysosoma cupido* (Walker, 1849) and *Chrysosoma vittatum* (Wiedemann, 1819). The major references dealing with the Oriental species of *Chrysosoma* are Becker (1922), Bickel (1994), Bickel and Wei (1996), and Yang *et al.* (2011). In addition to two previously known species, four species including one new species are herein added to the fauna of Vietnam, based on specimens collected by Prof. S.Q. Li and his students with canopy fogging in 2008 and Dr. X.Y. Liu by sweep net in 2011. A key to the species of the genus from Vietnam is also provided.

Material and methods

Types are deposited in the Entomological Museum of China Agricultural University, Beijing (CAU). The following abbreviations are used: acr = acrostichal seta(e), av = anteroventral seta(e), dc = dorsocentral seta(e), ih = inner humeral seta(e), LI = fore leg, LII = mid leg, LIII = hind leg, npl = notopleural seta(e), oc = ocellar seta(e), pd = posterodorsal seta(e), ph = posthumeral seta(e), psa = postalar seta(e), sa = supraalar seta(e), su = sutural seta(e), sc = scutellar seta(e), vt = vertical seta(e).

Taxonomy

Key to males of *Chrysosoma* species from Vietnam

- 1 Wing nearly hyaline, lacking spots (Figs. 7–10); antenna blackish or black; ventral bristles on fore femur pale yellow 2
- Wing with very large dark brown spots (Fig. 6); antenna dark yellow; ventral bristles on fore femur black. 5
- 2 Fore coxa yellow, mid and hind coxae black; all femora yellow 3
- All coxae and femora black. 4