

## ***Chrysotimus* Loew from China (Diptera: Dolichopodidae)**

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## Abstract

The following 8 species are described as new to science: *Chrysotimus acutatus* Wang, Yang and Grootaert, sp. nov., *C. chikuni* Wang, Yang and Grootaert, sp. nov., *C. guangdongensis* Wang, Yang and Grootaert, sp. nov., *C. ningxianus* Wang, Yang and Grootaert, sp. nov., *C. sanjiangyuanus* Wang, Yang and Grootaert, sp. nov., *C. songshanus* Wang, Yang and Grootaert, sp. nov., *C. xiaohuangshanus* Wang, Yang and Grootaert, sp. nov., *C. xuae* Wang, Yang and Grootaert, sp. nov. A key to the Chinese species of the genus is presented.

**Key words.** Diptera, Dolichopodidae, *Chrysotimus*, China, new species

## Introduction

The genus *Chrysotimus* Loew, 1857 belongs to the subfamily Peloropeodinae. It occurs in the Holarctic and Oriental Realms. There are eight species known from the Palearctic (Negrobov 1978, 1991) and two species from the Oriental (Dyte 1975). So far seventeen species were known from China (Parent 1944; Yang 2001; Yang and Saigusa 2001a-b, 2005; Zhang et al. 2003). Here we describe an additional eight species from China and provide a key to the 25 species actually known from China.

## Materials and Methods

The specimens on which this study is based, were collected by Mrs. Shuwen An (CAU, 2003), Xingyue Liu (CAU, 2003), Patrick Grootaert (Brussels, 2004), Mengqing Wang (CAU, 2004), Yanling Xu (CAU, 2004), Chikun Yang (CAU, 1980), and Ding Yang (CAU, 2004) with sweep nets and deposited in Entomological Museum of China Agricultural University (CAU), Beijing, China.

Morphological terminology for adult structures mainly follows McAlpine (1981). Terms for the structures of the male genitalia follow Cumming et al (1995). Abbreviations are as follows: acr — acrostichal, ad — anterodorsal, av — anteroventral, dc — dorsocentral, LI — fore leg, LII — mid leg, LIII — hind leg, oc — ocellar, pd — posterodorsal, pv — posteroventral, sa — supraalar, v — ventral; CAU — China Agricultural University, Beijing.

## Systematics

### Genus *Chrysotimus* Loew

*Chrysotimus* Loew, 1857: 48. Type-species: *Chrysotimus pusio* Loew, 1861, des. Coquillett (1910: 524).