

## Four new species of the genus *Diaphorus* (Diptera: Dolichopodidae) from China

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### Abstract

Four species of *Diaphorus* Meigen are described as new to science: *Diaphorus guangdongensis* Wang, Yang and Grootaert, sp. nov., *D. jinghongensis* Wang, Yang and Grootaert, sp. nov., *D. longiseta* Wang, Yang and Grootaert, sp. nov. and *D. ruiliensis* Wang, Yang and Grootaert, sp. nov. *Diaphorus tongshiensis* Yang is transferred to *Trigonocera*. And new data on distribution are reported for nine known species. A key to the species of *Diaphorus* from the Chinese mainland is presented, and the distribution of the genus in the Chinese mainland is discussed.

**Key words.** Dolichopodidae, *Diaphorus*, Chinese mainland, new species

### Introduction

The genus *Diaphorus* was erected by Meigen in 1824, with the following features: face rather wide and parallel-sided; first flagellomere rather small and short, usually wider than long; arista with very short basal segment; acr biseriate; male sternum 8 with 4–8 strong bristles (Fig. 1).

The genus has a world-wide distribution. Twenty-eight species have been known hitherto to occur in the mainland of China, and 14 species from Taiwan (Dyte, 1975; Olejníček, 2005). In the present paper, the species of the genus *Diaphorus* from the mainland of China are reviewed and keyed, with descriptions and illustrations of 4 new species. The major references treating the Oriental and Palearctic *Diaphorus* are as follows: Becker (1922), Hollis (1964), Meuffels and Grootaert (1985), Negrobov (1986, 1991), Negrobov and Grichanov (2005), Parent (1941), Wei and Song (2005), Yang and Grootaert (1999), Yang and Saigusa (1999, 2000, 2001a–b, 2005), Yang (2002).