



A new species of the genus *Kuwanimyia* Townsend (Diptera: Tachinidae) from Zhanjiang, China

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Abstract

A new tachinid species, *Kuwanimyia zhanjiangensis* sp. nov., is described and illustrated based on specimens collected from Zhanjiang in southern China. A modified key is provided for the identification of this species within the genus *Kuwanimyia* Townsend, 1916. Figures showing characteristics distinguishing *K. zhanjiangensis* sp. nov. from the closely related species *K. conspersa* Townsend (in particular, features of the male terminalia and male abdominal sternum 5) are included.

Key words: Diptera, Tachinidae, Goniini, *Kuwanimyia*, new species, taxonomy

Introduction

Kuwanimyia Townsend is a small genus belonging to the Goniini (Tachinidae: Exoristinae). It was erected by Townsend (1916) for type species *K. conspersa* Townsend, 1916, from Japan. Herting (1984) and Herting and Dely-Draskovits (1993) recognized the genus as valid, but Tschorsnig and Richter (1998) treated it as a synonym of *Dolichocolon* Brauer and Bergenstamm, 1889. Shima (2006) and O'Hara *et al.* (2009) again recognized the genus as valid. Recently, *Kuwanimyia* was redefined and three new Afrotropical species added by Cerretti (2009). This small genus is currently known from four described species, three restricted to the Afrotropical Region and one (*K. conspersa*) known from Japan and China (Cerretti 2009; O'Hara *et al.* 2009). A new species from Zhanjiang, Guangdong Province, southern China, is described herein.

The biology of this genus is little known, but *K. capensis* Cerretti has been reared from *Cossus tenebroides* Felder (Lepidoptera: Cossidae) and *K. conspersa* has been reported from several lepidopteran species in the families Arctiidae, Lymantriidae, Noctuidae and Pyralidae (Shima 2006; Cerretti 2009).

Material and methods

Terminology for morphology and measurements follow Tschorsnig and Richter (1998). Dissection of male terminalia and citation of specimen label data follow the methods described in detail by O'Hara (2002). The terminalia of each dissected male are preserved in glycerine in a small plastic vial pinned together with the source specimen. Images in Figs. 1–9 were taken with a Canon 450D digital camera attached to a Nikon SMZ1500 stereo microscope. Images in Figs. 10–15 were taken with an Olympus C7070 wide zoom digital camera (7.1 megapixels) mounted on an Olympus SZX12 stereo microscope. The images were montaged using Helicon focus software (ver. 3.10) and retouched in Adobe Photoshop CS4 version 11.0. All measurements are given in millimeters.

The holotype and other examined specimens of *K. zhanjiangensis* have been deposited in the collection of the Institute of Zoology, Chinese Academy of Science, Beijing, P. R. China (referred to herein as IZCAS). Examined specimens of *K. conspersa* were borrowed from Kyushu University Museum, Fukuoka, Japan.