

## Species of *Nepalomyia* (Diptera: Dolichopodidae) from Guangxi, China, with a key to Palearctic and Oriental species

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### Abstract

The genus *Nepalomyia* is recorded from Guangxi for the first time with the following 3 new species: *N. guangxiensis* sp. n., *N. spiniformis* sp. n., *N. tianlinensis* sp. n. A key to the species of the genus from the Palearctic and Oriental realms is presented.

**Key words:** Dolichopodidae, *Nepalomyia*, Guangxi, China, new species

### Introduction

The genus *Nepalomyia* Hollis 1964, was synonymized with *Neurigonella* Robinson 1964, by Runyon and Hurley (2003). The genus is characterized by the arising from the apical concavity of the first flagellomere and hind tarsomere 1 of males with a basal spur directed upward. It is an Holarctic and Oriental genus, with four known species from the Nearctic, two species from the Palearctic and 30 species from the Oriental (Runyon and Hurley, 2003; Wang and Yang, 2004; Wang and Yang, 2005; Yang, Saigusa and Masunaga, 2003). Up to the present, 26 species have been recorded from China. Yang and Saigusa (2001 a) subdivided the genus into 2 groups, the *longa*-species group and the *henanensis*-species group. The *longa*-species group is characterized by the rather elongated first flagellomere, and the *henanensis*-species group is characterized by the first flagellomere being rather short, usually wider than long (rarely as long as wide). Wang and Yang (2005) recently reviewed and keyed the species of the genus from China.

Here, three species based on material collected by the second author with sweep nets in Guangxi in 2002, are described as new to science. A key is provided to distinguish the