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## A new species of *Busoniomimus* Maldonado-Capriles (Hemiptera: Cicadellidae: Idiocerinae) from Malaysia with a key to species of the genus

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### Abstract

A new species, *Busoniomimus umbellatus* sp. nov. is described and illustrated from Malaysia. In addition the female of *B. hainanensis* Zhang & Li is described from China. A key is provided to males of this genus.

**Key words:** Homoptera, Auchenorrhyncha, morphology, taxonomy, China, Malaysia

### Introduction

Maldonado-Capriles (1977) described the genus *Busoniomimus* with *Idiocerus minor* Bierman (1908) as the type species and transferred *Busonia mindanaensis* Baker (1915) to this genus. Later, Viraktamath & Murphy (1980) described *Busoniomimus setulistylus* from Singapore, and transferred *Amritodus mudigerensis* Viraktamath (1976) to this genus. Webb (1983) described *Busoniomimus annulatus* from Australia, and transferred *Pedioscopus polydoros* Kirkaldy (1906) to this genus. Viraktamath & Viraktamath (1985) added *Busoniomimus manjunathi* from India. Zhang & Li (2012) reported *Busoniomimus* for the first time in China and added a new species, *Busoniomimus hainanensis*, increasing the number of species in this genus to eight.

We describe one new species, *B. umbellatus* sp. nov. from Malaysia, and also the female of *B. hainanensis* from China. These species are photographed and illustrated along with a key to species (males) of the genus.

### Material and methods

Materials used in this study are deposited in the Entomological Museum, Northwest A&F University, Yangling, China (NWAUFU) and the Illinois Natural History Survey, Champaign, USA (INHS).

The male abdomen was removed from the specimen and treated with 8–10 % NaOH solution at approximately 80°C for about half an hour. It was rinsed with water and transferred to glycerol for further dissection and examination. After examination, the dissected male genitalia were stored in a microvial with fresh glycerol and pinned below the specimen. Illustrations were made using a Nikon SMZ1500 dissecting microscope and an Olympus BH-2 stereoscopic microscope.

Morphological terminology mainly follows Zhang (1990) and Dietrich (2005).

### Taxonomy

#### *Busoniomimus* Maldonado-Capriles

*Busoniomimus* Maldonado-Capriles, 1977: 491.

Type species: *Idiocerus minor* Bierman, by original designation.