



## Two new species of the macropsine leafhopper genus *Pediopsoides* Matsumura from southwest China (Hemiptera: Cicadomorpha: Cicadellidae)

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### Abstract

Two new macropsine leafhopper species, *Pediopsoides (Celopsis) membrana* **sp. nov.** (China: Guizhou) and *Pediopsoides (Pediopsoides) jingdongensis* **sp. nov.** (China: Yunnan) are described and illustrated. The subgeneric placements of these species are only tentative because they disagree somewhat with previous diagnoses of their respective subgenera. This suggests that the classification of subgenera within *Pediopsoides* needs to be re-evaluated.

**Key words:** Auchenorrhyncha, Macropsinae, morphology, distribution, taxonomy

### Introduction

The leafhopper genus *Pediopsoides* was described by Matsumura (1912) based on a single female of *Pediopsoides formosanus* Matsumura from Taiwan. Hamilton (1980) revised the genus and recognized 5 subgenera (including a new subgenus). Recently Dai & Zhang (2009) revised the Chinese species of the genus and described 2 new species from Mainland, China. Up to now 17 species of the genus have been described worldwide (Matsumura, 1912; Hamilton, 1980; Viraktamath, 1981 & 1996; Huang & Viraktamath, 1993; Dai & Zhang, 2009). Among them, six species of the genus have been reported from China: *Pediopsoides (Pediopsoides) femorata* (Hamilton, 1980); *P. (Pediopsoides) formosanus* Matsumura, 1912; *P. (Sispocnis) aomians* (Kuoh, 1981); *P. (Sispocnis) dilatus* Dai & Zhang, 2009; *P. (Sispocnis) heterodigitatus* Dai & Zhang, 2009; *P. (Sispocnis) kurentsovi* (Anufriev, 1968).

In the present study, two new species, *Pediopsoides (Celopsis) membrana* **sp. nov.** and *Pediopsoides (Pediopsoides) jingdongensis* **sp. nov.** are described and illustrated from Yunnan and Guizhou province, respectively.

### Material and methods

The specimens used in this study were collected from the Wuliangshan National Nature Reserves (Yunnan Province), in August 2009 and Dashuhe National Nature Reserves (Guizhou Province), in May 2005. Morphological terminology follows Oman (1949) and Dietrich (2005). The type specimens of the new species are deposited in the College of Life Sciences and Technology, Inner Mongolia Normal University, China (IMNU).

### Taxonomy

#### Subfamily Macropsinae Evans, 1938

#### Tribe Macropsini Evans, 1947