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Three new species of the leafhopper genus *Pedionis* Hamilton (Hemiptera: Cicadellidae: Macropsinae) from China

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Abstract

Three new species, *Pedionis (Pedionis) acerosa* sp. nov., *P. (P.) longiaxonica* sp. nov. and *P. (P.) obtusata* sp. nov. from China, are described and illustrated. A key is given to distinguish all species of the genus from China.

Key words: Auchenorrhyncha, morphology, distribution, taxonomy

Introduction

The leafhopper genus *Pedionis* (Hemiptera: Cicadellidae: Macropsinae: Macropsini) was established by Hamilton (1980) with *Pediopsis garuda* Distant, 1916 as its type species. *Pedionis* species were placed into two subgenera *P. (Pedionis)* and *P. (Thyia)* based on the male genitalia (Hamilton 1980). Since then, many authors (Viraktamath 1981, 1996; Kuoh 1987; Huang & Viraktamath 1993; Liu & Zhang 2003; Okudera 2009; Zhang & Viraktamath 2010; Dai *et al.* 2011; Li *et al.* 2011) added new species to this genus. Zhang & Viraktamath (2010) presented a checklist of *Pedionis* and a key to Chinese species, Li *et al.* (2011) provided a worldwide key to *Pedionis* species. Dai *et al.* (2011) described a new species from China not included in previous keys. Up to now, 23 species of the subgenus *P. (Pedionis)* and 1 species of the subgenus *P. (Thyia)* have been recorded worldwide, and they are all distributed in the Palearctic, Oriental and Australasian region.

In the present paper, three new species of the genus, *P. (P.) acerosa* sp. nov. from Guizhou province, *P. (P.) longiaxonica* sp. nov. from Ningxia and Sichuan province, *P. (P.) obtusata* sp. nov. from Hainan and Guangxi province in China are described and illustrated. A key to Chinese species is given based on male genitalia.

Material and methods

Morphological terminology used in this work follows Hamilton (1980).

The type specimens of the new species are deposited in the Institute of Entomology, Guizhou University, Guiyang, China (GUGC).

Genus *Pedionis* Hamilton

Pedionis Hamilton, 1980: 891.

Type species: *Pediopsis garuda* Distant, 1916.