



Key to species of the genus *Hengchunia* Vilbaste (Hemiptera: Cicadellidae: Deltocephalinae), and with description of a new species from China

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Abstract

A new species *Hengchunia hexaproducta* sp. nov. is described and illustrated from China, representing the first record of the genus from the southeastern Palaearctic Region. A key is given to distinguish all species of the genus. The type specimens of the new species are deposited in the Institute of Entomology, Guizhou University, Guiyang, China (GUGC).

Key words: Homoptera, morphology, taxonomy, distribution

Introduction

The leafhopper genus *Hengchunia*, belonging to tribe Paralimini of subfamily Deltocephalinae (Hemiptera: Cicadellidae), was established by Vilbaste (1969) for a single species, *Thamnotettix koshunensis* Matsumura, from Taiwan. Later, Remane & Asche (1980) erected the genus *Pseupalus* for a single species, *Pseupalus graecanarus* Remane & Asche. Webb & Heller (1990) reviewed the genus *Pseupalus* and added three new species. Asche & Webb (1994) synonymized *Pseupalus* Remane & Asche with *Hengchunia* Vilbaste, made four new combinations: *Hengchunia graecanarus* (Remane & Asche), *Hengchunia digitus* (Webb & Heller), *Hengchunia gaiseri* (Webb & Heller) and *Hengchunia murtus* (Webb & Heller), and described four new species of this genus. Recently, Hu *et al* (2002) and Dai & Zhang (2005) each described a new species of this genus. Until now, 11 species were known, including 3 from China.

In this paper, a new species is described and illustrated from Henan Province, China. The type specimens of the new species are deposited in the Institute of Entomology, Guizhou University, Guiyang, China (GUGC). The genus *Hengchunia* now contains twelve species. A key is given to separate all species.

Hengchunia Vilbaste

Hengchunia Vilbaste, 1969: 8.

Pseupalus Remane & Asche, 1980: 88, synonymized by Asche & Webb, *Hengchunia* Vilbaste, 1994: 145.

Type species: *Thamnotettix koshunensis* Matsumura.

Diagnosis. *Hengchunia* may be distinguished from other Paralimini by the following combination of features: forewings with two subapical cells; subgenital plate short, with a heavily sclerotized dentate area dorsoapically; apical process of style elaborate and preatrium of aedeagus with pair of processes (except *H. pakistanica*).

Distribution. Afrotropical Region, Palaearctic Region and Oriental Region.