



Taxonomic study of Chinese species of the genus *Macropsis* Lewis, 1836 (Hemiptera: Cicadellidae: Macropsinae)

II: a new subgenus for *Macropsis flavovirens* Kuoh

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Abstract

A new monobasic subgenus, *Macropsis* (*Spinomacropsis*) **subgen. nov.**, of the subfamily Macropsinae (Hemiptera: Auchenorrhyncha: Cicadellidae) based on type species *Macropsis flavovirens* Kuoh, 1992 from Yunnan Province of China is proposed. The new subgenus can be distinguished by the unique character of the male pygofer with two spinelike processes on the caudal margin. *Macropsis* (*S.*) *flavovirens* is redescribed and illustrated, and data on its geographical distribution are given.

Key words: Auchenorrhyncha, morphology, *Macropsis*, new subgenus, distribution, China

Introduction

The leafhopper genus *Macropsis* (Hemiptera: Auchenorrhyncha: Cicadellidae: Macropsinae) was established by Lewis (1836) for two species, *Cicada virescens* Gmelin, 1789 and *Cicada flavicollis* Linnaeus, 1761. Subsequently, *Jassus prasinus* Boheman, 1852 was designated as its type species (ICZN 1961). It is now the largest genus of the subfamily and includes more than 260 species. The *Macropsis* fauna in China is poorly known and likely to be rich (Li, *et al.* 2012a, 2012b), especially in the southern area of China (Oriental region) where discoveries of new taxa are likely.

Hamilton (1980) revised the genus-level classification of the tribe Macropsini and recognized four subgenera of *Macropsis*, Nearctic *Macropsis* (*Neomacropsis*), Oriental-Australian *M.* (*Parapediopsis*), Holarctic *M.* (*Macropsidius*) and the cosmopolitan nominate *M.* (*Macropsis*), largely based on the characteristics of the pronotal striations and hind tibial chaetotaxy, the size of the male pygofer spines and the degree of sclerotization of the male pygofer lobes. Kuoh (1992) described *Macropsis flavovirens* based on one specimen collected from Yulong Mountain (part of Hengduan Mountains.), Yunnan Province, China. This species differs from all known representatives of the genus in highly peculiar shape of pygofer lobes bearing additional processes. This provides reason enough to erect a separate subgenus for it.

In the present paper a new monobasic subgenus, *Macropsis* (*Spinomacropsis*) **subgen. nov.**, for *Macropsis flavovirens* Kuoh, 1992 is described based on materials collected in Shangri-La, Yunnan Province, China; this species is also redescribed and illustrated. A map of the geographical distribution of *M.* (*S.*) *flavovirens* is provided.