



## A new cicada species (Hemiptera: Cicadidae), with a key to the species of the genus *Euterpnosia* Matsumura, 1917 from Vietnam

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### Abstract

A new species of cicada, *Euterpnosia cucphuongensis*, is described from Cuc Phuong National Park in northern Vietnam. Photos of the adult, illustrations of the male genitalia, a distribution map and biological data are provided. A key to the species of *Euterpnosia* from Vietnam based on the male adults is also given.

**Key words:** *Euterpnosia cucphuongensis*, morphology, taxonomy, Cicadina, Auchenorrhyncha

### Introduction

The cicada genus *Euterpnosia* Matsumura, 1917 contains twenty one species and is mainly distributed in the Oriental Region (Chou *et al.*, 1997; Duffels and van der Laan, 1985; Lee and Hayashi, 2003; Chen, 2005, 2006). Among them, fourteen endemic species occur in Taiwan. Lee (2008) produced a checklist of the cicadas from Vietnam recording two *Euterpnosia* species inhabiting the country: *E. crowfooti* (Distant, 1912) and *E. madhava* (Distant, 1881). Pham and Yang (2009) recently recorded the third species *E. ruida* Lei et Chou, 1997. Among the Cicadidae collected by the first author, the fourth species of *Euterpnosia* was found and is described here as a new species.

### Materials and methods

Three males of the new *Euterpnosia* species were collected from the Cuc Phuong National Park (NP), Nho Quan district, Ninh Binh province in northern Vietnam by the first author. The type specimens of this new species are deposited in the Institute of Ecology and Biological Resources, Hanoi, Vietnam (IEBR).

Nomenclature for family, subfamily and tribal classification follows that of Lee (2008). Morphological terminology follows that of Moulds (2005). The male genitalia of the holotype were examined and photographed using a dissecting microscope (Leica MZ7 5). A distribution map produced by the software CFF 2.0 (Barbier & Rasmont, 2000) and photos of habitus are provided (Fig. 2).

**Family Cicadidae Latrielle**

**Subfamily Cicadinae**

**Tribe Cicadini**

**Subtribe Cicadina**