



A review of Japanese species of the genus *Montandoniola* (Hemiptera: Heteroptera: Anthocoridae)

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Abstract

The flower bug genus *Montandoniola* Poppius, 1909 of Japan, which previously was represented by a single species, is herein reviewed. Three species are recognized. A new species, *M. kerzhneri* **sp. nov.**, is described from Iriomote Island of the Ryukyus. *Montandoniola thripodes* Bergroth, 1916 is recorded from Japan for the first time. *Montandoniola thripodes* and *M. pictipennis* (Esaki, 1931) are diagnosed, with detailed descriptions and illustrations of the male and female genitalia. Digital images of the habitus and external characters are provided for all species. Biological notes on *M. thripodes* and *M. pictipennis* and a key to the Japanese species are also given.

Key words: genitalia, new species, new records, Oriini, taxonomy, key to Japanese species, biological notes

Introduction

Recently, Pluot-Sigwalt *et al.* (2009) documented that several species of *Montandoniola* had been confused and liable to be misidentified as *M. moraguesi* (Puton, 1896) on the basis of their own careful examinations of original material. The paper concludes: (1) the distribution of *M. moraguesi* seems to be restricted to Mediterranean region and Africa, (2) *M. thripodes* Bergroth, 1916 from Hong-Kong and *M. pictipennis* (Esaki, 1931) from Japan had been wrongly synonymized with *M. moraguesi*, and are reinstated as valid, and (3) *M. confusa* Streito & Matocq, 2009 from Guadeloupe has sometimes been confused with *M. moraguesi* at least in the United States and Australia.

In Japan, any specimen of *Montandoniola* has hitherto been regarded as *M. moraguesi* since *M. pictipennis* was incorrectly synonymized with *M. moraguesi* (Herring 1966) without the examination of the genitalia characters. We carefully examined numerous specimens of *Montandoniola* from Japan and confirmed that the species previously identified as *M. moraguesi* is in fact three species, viz., *M. thripodes*, *M. pictipennis*, and an undescribed species.

In the present paper, Japanese species of the genus *Montandoniola* are reviewed. A new species, *M. kerzhneri* **sp. nov.**, is described from the Ryukyus. Female of *M. thripodes* and male of *M. pictipennis* are reported for the first time. Revised diagnoses, supplementary illustrations and descriptions of male and female genitalia are provided for *M. thripodes* and *M. pictipennis*. Biological notes and a key to the Japanese species are also given.

Material and methods

Repositories of the types and the other specimens are abbreviated as follows: ELKU – Entomological Laboratory, Faculty of Agriculture, Kyushu University, Fukuoka, Japan; OMNH – Osaka Museum of Natural