



Synonym, new species and checklist of the genus *Fissocantharis* Pic from Taiwan (Coleoptera, Cantharidae)

YU-XIA YANG¹, YÛICHI OKUSHIMA² & XING-KE YANG³

¹College of Life Sciences, Hebei University, Baoding 071002, Hebei Province, China. E-mail: yxyang@hbu.edu.cn ²Kurashiki Museum of Natural History, Chûô 2-6-1, Kurashiki-shi, Okayama, 710-0046 Japan. E-mail: musoku@city.kurashiki.okayama.jp

³Key Laboratory of Zoological Systematics and Evolution, Institute of Zoology, Chinese Academy of Sciences, Beijing 100101, China. E-mail: yangxk@ioz.ac.cn

^{2,3}Co-corresponding authors

Abstract

Two new species of *Fissocantharis* Pic from Taiwan are described, *F. flavipennis* sp. nov. and *F. laticornis* sp. nov., and presented with photos of habitus and illustrations of aedeagi, also each new species is provided with a key to the related species. *Micropodabrus simplicicornis* Wittmer, 1993 is synonymized with *Fissocantharis formosana* (Pic, 1910). A checklist of *Fissocantharis* from Taiwan is given.

Key words: Coleoptera, Cantharidae, *Fissocantharis*, new species, new synonym, Taiwan

Introduction

The genus *Fissocantharis* was proposed by Pic in 1921, with *F. opaca* originally designated as the type species. This genus was considered as a synonym of *Micropodabrus* Pic, 1920 by Wittmer (1997), but reinstated by Yang, Brancucci and Yang (2009). Until now, 28 species (including the new species described here) of this genus are distributed in Taiwan, and all of them are endemic, except one species, *F. mucronata* (Wittmer 1979), which reaches to the Ryukyu Islands (Iriomote-jima, Japan). The new species were described and the taxonomy of this genus from Taiwan was clarified by Pic (1910, 1922, 1926) and Wittmer (1954, 1972, 1979, 1982, 1993, 1995a,b, 1997).

During our study on the *Fissocantharis* collections of the Kurashiki Museum of Natural History, Japan (KURA) and the Ehime University Museum, Matsuyama, Japan (EUM), two new species were discovered and are herein described, *F. flavipennis* sp. nov. and *F. laticornis* sp. nov. Also, based on the examination of the type specimens deposited in the Muséum national d'Histoire naturelle, Paris, France (MNHN) and Naturhistorisches Museum Basel, Switzerland (NHMB), *Micropodabrus simplicicornis* Wittmer, 1993 is considered as a junior synonym of *F. formosana* (Pic, 1910). Besides, it is necessary to provide a checklist of Taiwanese species of this genus, considering that the genus name was changed after the latest catalogue (Kazantsev and Brancucci, 2007).

Material and methods

Labels of the type material are cited verbatim, some old names of localities are updated in square brackets []. Names of the localities of additional material are written in the standard English style. The depositaries of all material are noted at the end of their localities in round brackets ().

The aedeagi were detached from the body under a stereoscopic microscope and kept in 10% KOH solution for several minutes, then cleared in 75% alcohol and observed under a compound light microscope. Line figures were drawn with the aid of a camera lucida mounted on a Nikon SMZ 800 stereomicroscope. The scanning electronic micrographs were edited in CORELDRAW 12 and ADOBE PHOTOSHOP 8.0.1. The habitus photos were taken by Canon 450D digital camera with a Canon EF 100mm f/2.8 USM Macro Lens. The body length was measured