

## Notes on the Bembidiina of Taiwan with description of three new species (Coleoptera: Carabidae)

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**Abstract.** This paper provides new observations on the Bembidiina of Taiwan, still poorly known, and deals with their relationships with the Chinese and Japanese lineages. The extreme tendency to endemism of the Taiwanese Bembidiina (14 out of the currently 19 known species are endemic) is emphasized by three new endemic species described in this paper: *Bembidion* (*Blepharoplastaphus*) *teradai* sp. nov., *B. (Trichoplastaphus) seijii* sp. nov. and *B. (Trichoplastaphus) jelineki* sp. nov. One poorly known Taiwanese species, *B. (Armatocillenus) sauteri* Jedlička, 1954, is redescribed and the male genitalia of two species, *B. (Ocydromus) shunichii* Habu, 1973 and *B. (Desarmatocillenus) foochowense* Lindroth, 1980, are described for the first time. An updated checklist and a key for the determination of the Taiwanese Bembidiina are also provided.

**Keywords.** Coleoptera, Carabidae, Bembidiina, *Armatocillenus*, *Bembidion*, *Blepharoplastaphus*, *Desarmatocillenus*, *Ocydromus*, *Odontium*, *Plataphus*, *Pseudolimnaeum*, *Trichoplastaphus*, *Sinechostictus*, taxonomy, checklist, key for species, Taiwan.

### Introduction

After the revision of Eastern Palaearctic Bembidiini by JEDLIČKA (1965), the Taiwanese Bembidiina were only covered by checklists (MARGGI et al. 2003; TERADA et al. 2005, 2006; TERADA 2006) but never systematically reviewed except the taxonomy of the *Cillenus* complex (SASAKAWA 2007). Only 13 species of Bembidiina have been known from Taiwan but recent collecting trips by Katsuyuki Terada (Hiroshima, Japan) yielded six more species, three of which turned out to be new to science and are described below. Of the 19 species currently known from Taiwan, only five are also known from other countries of the eastern Palaearctic Region. Particularly noteworthy is the presence of a new species of the subgenus *Blepharoplastaphus* Netolitzky, 1920 of the genus *Bembidion* Latreille, 1802. This subgenus includes species with extremely wide distribution and relatively low tendency to differentiation, which suggests once again that the Taiwanese fauna of Bembidiina has a very strong tendency toward endemism.