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Taxonomic notes on the genus *Gribodia* Zavattari, 1912 (Hymenoptera: Vespidae: Eumeninae) from Vietnam and China, with description of a new species

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Abstract

The genus *Gribodia* Zavattari, 1912, is newly recorded from Vietnam and China. *Gribodia nigra* **sp. nov.** (China, Hainan) is described and figured and *G. cupreipennis* (Bingham) is redescribed. A key to six known species of the genus is provided.

Key words: solitary wasps, key to species, Hainan, Northern Vietnam, Myanmar, Thailand, Malaysia, Indonesia

Introduction

The genus *Gribodia* was described by Zavattari (1912) as monotypic for *Monobia cavifrons* Gribodo, 1892 [= *Odynerus confluentus* Smith, 1857]. This genus appears to be restricted to the southern part of Asia, and up to now contains five species (Giordani Soika 1974). In this paper, based on specimens deposited in the Institute of Ecology and Biological Resources, Vietnam, Hanoi [IEBR] and South China Agricultural University, China, Guangzhou (SCAU), the genus *Gribodia* is newly recorded from Vietnam and China, including *G. nigra* **sp. nov.** and *G. cupreipennis* (Bingham). A key to six known species of the genus is also presented.

Material and methods

The adult morphological and color characteristics except for male terminal sterna and genitalia were observed on pinned and dried specimens under a stereomicroscope. Apical parts of male metasoma were dissected for the terminal sterna and genitalia. They were put in lactic acid for several hours, washed in distilled water, and observed in glycerin under a stereomicroscope. Drawings were made with the aid of a drawing tube. Measurements of body parts were made with an ocular micrometer attached to the stereoscopic microscope. “Body length” indicates the length of head, mesosoma and the first two metasomal segments combined. Terminology follows Yamane (1990). Photographic images were made with the Leica EZ4HD 3.0 MegaPixel Digital Stereo Microscope, using LAS exclusive microscopy software (LAS EZ 2.0.0). The plates were edited with Photoshop CS6. The abbreviations **F**, **S** and **T** refer to numbered flagellomeres, metasomal sterna and metasomal terga, respectively.

Genus *Gribodia* Zavattari, 1912

Gribodia Zavattari, 1912: 161. Type species: *Monobia cavifrons* Gribodo, 1892 [= *Odynerus confluentus* Smith, 1857], by original designation.