The genus *Pselnophorus* Wallengren from Mainland China, with description of a new species (Lepidoptera: Pterophoridae)

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Abstract

Three species of the genus *Pselnophorus* have been found in the Mainland China. *Pselnophorus brevispinus* **sp. nov.** is described and the female of *P. emeishanensis* Arenberger is reported for the first time. Images of the adults and illustration of the genital structures are provided, along with a key to the species from the Mainland China.

Key words: Lepidoptera, Pterophoridae, *Pselnophorus*, new species, Mainland China

Introduction

Wallengren (1881) erected the genus *Pselnophorus* for *Alucita brachydactyla* Kollar, 1832. Meyrick (1913) synonymized *Crasimetis* Meyrick with *Pselnophorus*. Arenberger (1990) revised the *Pselnophorus* complex of the Palaearctic Region and recorded four species. The same author (2002) described a new species from China, *P. emeishanensis* Arenberger. Gielis (1993, 2003) provided a checklist of this genus, which comprises 11 species, two of which were reported to occur in the Mainland China (Gielis 2003; Li, Hao & Wang 2003). In the present paper, we describe a new species, *P. brevispinus* **sp. nov.**, and report the female of *P. emeishanensis* Arenberger for the first time.

Material and methods

Material used in this study was collected by light trap in eight forest reserves of seven provinces of China (Hebei, Henan, Hunan, Guangzhou, Sichuan, Guizhou, Yunnan). Methods of genitalia dissection follow Li and Zheng (1996). The types and other specimens examined are deposited in the Insect Collection, College of Life Sciences, Nankai University, Tianjin, China.

Taxonomy

Pselnophorus Wallengren, 1881

Pselnophorus Wallengren, 1881: 96.
Crasimetis Meyrick, 1890: 484, 489.
Type species: *Alucita brachydactyla* Kollar, 1832.