



Microlepidoptera of Hong Kong: Checklist of Pterophoridae, with description of one new species (Insecta, Lepidoptera)

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Abstract

This paper reports 16 species of the family Pterophoridae from Hong Kong Special Administrative Region, China. One species, *Pterophorus attenuatus* **sp. nov.** is described as new to science. Images of all the adults and the illustration of the genitalia of the new species are provided. A key for the identification of Hong Kong pterophorid moths is given.

Key words: Lepidoptera, Pterophoridae, new species, Hong Kong

Introduction

Pterophoridae is a comparatively small family within the Lepidoptera. It is well-defined by the lower surface of hindwing having the special venous scales along M_3 and Cu_1 or Cu_2 . Most species of Pterophoridae have a cleft in the forewings and a double cleft in the hindwings. About 1190 nominal species in 91 genera under four subfamilies have been recorded in the world, which are widely distributed in all the zoogeographical regions. Li *et al.* (2003) reported 128 species in 38 genera from Mainland China. Kendrick (2002) recorded nine species from the Hong Kong Special Administrative Region, including five unidentified species.

The aim of this paper is to report 16 species of the family Pterophoridae from Hong Kong, including one new species, which is described. Images of all the adults and the genitalia of the new species are provided, along with a key for the identification of these species.

Material and methods

The specimens used in this study are from the collection of Kadoorie Farm & Botanic Garden, Hong Kong (KFBG), the Insect Collection, College of Life Sciences, Nankai University, Tianjin (NKU), and the Institute of Zoology, Chinese Academy of Sciences, Beijing (IZCAS). Methods of genitalia dissection follow Li & Zheng (1996). The terminology and classification follow Kristensen (2003).

Key to the species of Pterophoridae from Hong Kong

- 1 Wings uncleft..... *Ochyrotica yanoi* Arenberger
- Wings cleft..... 2