



Microlepidoptera of Hong Kong: Oecophoridae II: description of three new species of the genus *Variacma* Wang

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Abstract

Three new species of the genus *Variacma* Wang are described from Hong Kong, China: *V. hongkongensis* **sp. nov.**, *V. bifariafera* **sp. nov.** and *V. tomentosa* **sp. nov.** The female is recorded for the first time for the genus and the generic characters are redescribed. Images of adults and genitalia are provided, along with a key to all the known species based on the male genitalia.

Key words: Lepidoptera, Oecophoridae, *Variacma*, new species, China

Introduction

The genus *Variacma* Wang, 2006 was established to accommodate the three Chinese species: *V. saccata* Wang, 2006, *V. subrotunda* Wang, 2006 and *V. isotyra* (Meyrick, 1938). During a microlepidopterological survey to the New Territories of Hong Kong Special Administrative Region (HKSAR) in 2007, we collected 17 specimens belonging to this genus. Based on these specimens, we recognized three new species and describe them herein. The female is described for the first time for the genus, and the generic characters are emended accordingly.

Material and methods

Material examined in this study was collected by using light traps. External characters of adults were examined using an Olympus SZX9 stereo-microscope (maximum magnification 228X). Colour is based on the observations of the whole specimen illuminated with cold, white light. Wing venation and genitalia were examined using preparations mounted in Canada balsam basically following the techniques of Li and Zheng (1996). The type specimens are deposited in the Insect Collection, College of Life Sciences, Nankai University, Tianjin, China.

Taxonomy

Genus *Variacma* Wang, 2006

Variacma Wang, 2006: 161. Type species: *Variacma saccata* Wang, 2006, by original designation.

Generic characters. Adult: Labial palpus upturned, second segment thickened with appressed scales, third segment slender and shorter than second, pointed at apex. Antenna without pecten, filiform. Forewing broad, costa gently arched, termen oblique; R_4 and R_5 stalked slightly beyond middle, R_5 reaching termen. Hindwing broad, with developed anal area; R_s and M_1 widely separate. Abdominal terga with spiniform setae.