



A review of the *Torodora manoconta* species-group (Lepidoptera: Lecithoceridae), with descriptions of three new species

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Abstract

The *manoconta* species-group of the genus *Torodora* Meyrick is proposed, and its species are reviewed. Three new species are described: *T. vietnamensis* **sp. nov.**, *T. babeana* **sp. nov.**, and *T. rectivalvata* **sp. nov.** A key to the species of the group is provided, along with photographs of the adults and their genitalia.

Key words: Taxonomy, new species, *manoconta* group, *Torodora*, Lecithoceridae, Lepidoptera

Introduction

Torodora Meyrick is an Oriental genus belonging to the subfamily Torodorinae, comprising more than 100 species (Gozmány, 1978; Wu, 1997; Park, 2002). The genus is characterized by features of wing venation and genitalia, but many species are nearly indistinguishable without comparing their genital morphology. Subsequent to the description of *Torodora manoconta* Wu & Liu, 1994 from China, three related species were described: *T. epitritona* Park and *T. spinula* Park from Thailand in 2002 and *T. chinanensis* Park from Taiwan in 2003. In this paper, I propose that these species, along with three new species, represent a distinct monophyletic group, the *Torodora manoconta* species-group, separated from other species of the genus by external and male genitalia characters. The group is characterized by a yellowish-white head; a narrow forewing with a shining pale grayish-orange to brownish-orange ground color (or sometimes light brown), often with a yellowish triangular or elongate patch on inner margin mesially; the hind tibia with blackish scales near the apex outwardly; and the male genitalia with the uncus clavate or with a broadly expanded, mushroomlike apex, the valva foot-shaped, the juxta well sclerotized with slender latero-caudal lobes, and the aedeagus usually with a pair of slender cornuti.

Based on Lepidoptera collected during recent expeditions (2003–2006) to North Vietnam, two new species belonging to this group were discovered. In this paper I describe these, present a key to the group based on superficial and male genitalia characters, and provide taxonomic remarks on the species.

Abbreviations for specimens depositories: USNM—United States National Museum of Natural History, Smithsonian Institution, Washington, U.S.A.; ZMUC—Zoological Museum, Copenhagen, Denmark; OPU—Osaka Prefecture University, Osaka, Japan; CIS—Center for Insect Systematics, Kangwon National University, Chuncheon, Korea.

Key to the species of the *Torodora manoconta* species-group, based on external and male genitalia characters

1. Forewing length >25 mm; forewing brownish with large triangular yellowish patch on inner margin mesially *T. chinanensis*
- Forewing length <22 mm; forewing pale brownish orange with small or poorly developed yellowish patch