



## Genus *Lecithocera* of Thailand. Part IV. Descriptions of three new species and notes on a little known species (Lepidoptera: Lecithoceridae)

KYU-TEK PARK

Fellow, The Korean Academy of Science and Technology, Korea; McGuire Center for Lepidoptera and Biodiversity, Florida Museum of Natural History, University of Florida, Gainesville, FL 32611 USA. E-mail: ktpark02@gmail.com

### Abstract

This is the fourth of a series of studies on the genus *Lecithocera* Herrich-Schäffer from Thailand. In this contribution, three new species are described: *L. montiatilis* sp. nov., *L. pakiaensis* sp. nov., and *L. cornutima* sp. nov. *Lecithocera anglijuxta* Wu, described from a single male from China, is redescribed with details of the female genitalia and wing venation. Images of adults and the male and female genitalia of the four species are provided.

**Key words:** Taxonomy, morphology, description, Gelechioidea

### Introduction

A faunistic study of the Lecithoceridae of Thailand was initiated by Park in 2001. Since that time, 47 new species have been described and assigned to *Tisis* Walker, *Torodora* Meyrick, *Antiochtha* Meyrick, *Hygroplasta* Meyrick, *Thubana* Walker, and *Homaloxestis* Meyrick (Park 2002a, b, 2003a, b, c, 2004, 2005a, 2007). In the three previous studies of the genus *Lecithocera* of Thailand, Park (2005b, 2006a, b) described seven new species and reported five previously described species for the first time from Thailand. In this paper, the fourth in the series, three new species are described, and the female of *L. anglijuxta* Wu is reported for the first time, with a redescription of the wing venation and a description of the female genitalia.

### Materials and methods

Material examined is deposited in the Osaka Prefecture University (OPU), Japan. The specimens were collected by Japanese microlepidopterists during expeditions to Thailand in 1981, 1985, and 1987. In the descriptions of new species, colors follow Kornerup and Wanscher (1983). Types are deposited in OPU, on indefinite loan from Thailand.

### Systematics

#### Genus *Lecithocera* Herrich-Schäffer, 1853

Syst. Bearb. Schmett. Eur. 5: 11. Type: *Carcina luticornella* Zeller, 1839. Type locality: Europe.

#### *Lecithocera anglijuxta* Wu, 1997

(Figs. 1, 1a, 1b, 5, 9, 9a, 9b, 9c, 13, 13a)

*Lecithocera anglijuxta* Wu, 1997, Fauna Sinica Insecta 7: 126, 246. TL: Yunnan, China.