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Taxonomic review of the genus *Spatulignatha* Gozmány, 1978 (Lepidoptera: Lecithocerinae), with descriptions of two new species in China

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Abstract

The genus *Spatulignatha* Gozmány is reviewed. Two new species are described based on the Chinese material: *S. arcuata* sp. nov. from Guangdong, Hunan and Yunnan, and *S. longizonalis* sp. nov. from Guangxi. The female genitalia of *S. hemichrysa* (Meyrick, 1910) and the female of *S. idiogena* Wu, 1994 are described for the first time, and the previously described female of *S. hemichrysa* by Gozmány (1978) is considered to be the female of *S. olaxana* Wu, 1994. Images of adults and genitalia are provided.

Key words: Lepidoptera, Lecithoceridae, *Spatulignatha*, new species, female, China

Introduction

Spatulignatha Gozmány, 1978 is a monotypic genus of Lecithocerinae. It is characterized by the two-segmented labial palpus with the second segment usually twice the length of the first and pointed or roundly widened terminally in the male, and the three-segmented labial palpus with the slender third segment slightly longer than the second in the female; the juxta usually bearing a pair of relatively large postero-lateral lobes in the male genitalia; and the ductus bursae usually sclerotized partly in the female genitalia. The genus is similar to *Lecithocera* Herrich-Schäffer, 1853 superficially, but can be distinguished by the labial palpus with two segments in the male. *Spatulignatha* was erected by Gozmány in 1978 for the type species *Lecithocera hemichrysa* Meyrick, 1910. Wu (1994) reported the occurrence of *Spatulignatha* in China, adding three new species: *S. chrysopteryx* Wu, 1994, *S. idiogena* Wu, 1994, and *S. olaxana* Wu, 1994; Park (2000) reported two known species, *S. idiogena* and *S. olaxana*, from Taiwan. To date, *Spatulignatha* Gozmány consists of four known species, distributed in China and India.

We describe two new species, and consider the previous female of *S. hemichrysa* described by Gozmány (1978) to be the female of *S. olaxana*. All the studied specimens are deposited in the Insect Collection, College of Life Sciences, Nankai University, Tianjin, China.

Abbreviations for the depositories:

IZCAS The Institute of Zoology, Chinese Academy of Sciences, Beijing, China.
NKUM The insect Collection, College of Life Sciences, Nankai University, Tianjin, China.
BMNH The Natural History Museum, London, UK.

Taxonomy

Spatulignatha Gozmány, 1978

Spatulignatha Gozmány, 1978: 146. Type species: *Lecithocera hemichrysa* Meyrick, 1910. Type Locality: Assam, India.

antenna, dark-brown costa of the forewing before middle and dark-brown fascia which runs obliquely from about 2/3 length of costa to before tornus, by the sacculus with an apical lobe that bears stiff hair-like scales in the male genitalia (Fig. 3f). This species is very similar to *S. hemichrysa*, and the differences between them are discussed under *S. hemichrysa*.

Distribution. China: (Fujian, Guangdong, Guizhou, Guangxi, Henan, Hubei, Hunan, Jiangxi, Sichuan, Taiwan, Yunnan, Zhejiang).

Remarks. Wu (1994) described this species on three male specimens. Park (2000) reported this species from Taiwan based on three males collected in Illan County. By comparison with the female genitalia of *S. hemichrysa* loaned from the Natural History Museum, we determined that the female of *S. hemichrysa* described by Gozmány (1978), from a specimen collected in Sichuan, China, is in fact the female of *S. olaxana* Wu.

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