



The genus *Issikiopteryx* (Lepidoptera: Lecithoceridae): Checklist and descriptions of new species

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Abstract

Thirteen species of the genus *Issikiopteryx* are listed on a worldwide basis. Three new species, *Issikiopteryx obtusangula* **sp. nov.**, *I. rotundiconcava* **sp. nov.** and *I. valvispinata* **sp. nov.** are described based on the examination of the specimens collected from China. Five species, *Glaucolychna fornicata* Wu & Liu, *G. aurofata* Wu & Liu, *G. corona* Wu & Liu, *G. ophrysa* Wu & Liu and *G. trichacera* Wu, are transferred to *Issikiopteryx*. Images of the adults and the genitalia of the new species are provided.

Key words: Lepidoptera, Lecithoceridae, *Issikiopteryx*, checklist, new species, new combination, China

Introduction

Moriuti (1973) established the genus *Issikiopteryx* in Timyridae for the Japanese species *I. japonica*. He also transferred to *Issikiopteryx* three species previously reported by Meyrick (1908, 1918 and 1935; Clarke, 1965) from India and China. Gozmány (1978) apparently accepted Moriuti's opinion and included two palaeartic species of the genus in his monograph. Wu and Liu (1993) erected a new genus *Glaucolychna* similar to *Issikiopteryx* both superficially and internally based on the wing venations of the Chinese specimens. They treated *Issikiopteryx* Moriuti as a subgenus of *Glaucolychna* and proposed another two subgenera *Glaucolychna* and *Ephelochna* at the same time. But they neglected the validity of the genus *Issikiopteryx* Moriuti, which was published earlier and should not be replaced by *Glaucolychna* Wu and Liu (**syn. nov.**) according to nomenclatural rules. Later, Wu (1997) added one more species to *Ephelochna* from central China, and Park (2003) described one species of *Issikiopteryx* from Taiwan. To date, *Issikiopteryx* comprises 10 described species, which are distributed in China, Japan and India. All the known members of the genus are similar by the forewing lanceolate and having almost the same ground color and patterns, the male eighth sternite with a pair of caudal processes, and the female lamella antevaginalis usually produced into a sclerotized transverse band.

The aim of the present paper is to give a checklist of the world known *Issikiopteryx* species and to describe new species collected from China. In addition, *Glaucolychna* is proposed as a junior synonym of *Issikiopteryx* and five species described by Wu and Liu are transferred from it to the present genus. The three-subgenus system proposed by Wu and Liu based on the wing venation is not accepted here since it is somewhat questionable and needs further study.

The type specimens are deposited in the Insect Collection, College of Life Sciences, Nankai University, Tianjin, P. R. China.