Three new species of Elachista Treitschke
(Lepidoptera: Elachistidae: Elachistinae) from Nepal

VIRGINIJUS SRUOGA
Department of Zoology, Vilnius Pedagogical University, Studentu str. 39, LT-08106 Vilnius, Lithuania. E-mail: sruogavir@vpu.lt

Abstract

Three new species of Elachista Treitschke, E. ievae sp. nov., E. tuberella sp. nov. and E. obtusella sp. nov., from Nepal are described and illustrated. E. ievae is placed in E. gleichenella species group, E. tuberella and E. obtusella are placed in E. freyerella species group.

Key words: Lepidoptera, Elachistidae, Elachista, new species, Nepal

Introduction


Investigation of the material obtained from the Natural History Museum, London and the Zoological Museum of the Finnish Museum of Natural History has resulted in the discovery of three new species from Nepal, which are described and illustrated below.

Methods

Terms used for morphological structures follow Traugott-Olsen & Nielsen (1977) and Kaila (1999a). Forewing length was measured along the costa from wing base to the apex of the terminal fringe scales. For a wing-span, the forewing length was doubled and thorax width added.

Genitalia were prepared following the method described by Robinson (1976) and Traugott-Olsen & Nielsen (1977). The genitalia were studied and some morphological structures were sketched in glycerol before permanent slide-mounting in Euparal.

The following institution abbreviations are used in this paper: BMNH – The Natural History Museum, London, United Kingdom; MZH – Zoological Museum, Finnish Museum of Natural History, Helsinki, Finland.