



One new species and three newly recorded species of the genus *Exaeretia* Stainton, 1849 (Lepidoptera: Elachistidae: Depressariinae) from China

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Abstract

Four species of the genus *Exaeretia* Stainton are recorded from China. *Exaeretia liupanshana* **sp. nov.** from Mt. Liupan, Ningxia Huizu Autonomous Region is described as new. *Exaeretia lechriosema* (Meyrick), *E. indubitatella* (Hannemann) and *E. ciniflonella* (Lienig & Zeller) are newly recorded for China. Photographs of the adults and genital structures are provided.

Key word: Lepidoptera, Elachistidae, *Exaeretia*, new species, new record, China

Introduction

The genus *Exaeretia* Stainton, 1849 is characterized by the densely spined gnathos rounded or ovate, and the sacculus with a bifurcated distal process in the male genitalia; by the large signum usually more than half the length of the corpus bursae in the female genitalia. These characters can well separate members of *Exaeretia* from those of the morphologically similar genus *Agonopterix*. To date, *Exaeretia* Stainton includes 32 species in the Palaearctic Region, represented by 11 species in China (Wang 2005).

The systematic position of Depressariinae is still uncertain. It used to be a separate family of the Gelechioidea and late was regarded as a subfamily of Oecophoridae. Hodges (1998) ranked it as a subfamily of the Elachistidae which represents the only recent and comprehensive classification of the Gelechioidea based on a phylogenetic analysis. Hence we tentatively follow Hodges' treatment, regarding *Exaeretia* Stainton as belonging to the subfamily Depressariinae of the Elachistidae.

The aim of the present paper is to describe one new species and report three previously unknown species for China. The type specimens are deposited in the Insect Collection, College of Life Sciences, Nankai University, Tianjin, P. R. China.

Taxonomy

Genus *Exaeretia* Stainton, 1849

Exaeretia Stainton, 1849: 152. Type species: *Exaeretia allisella* Stainton, 1849, by monotypy.

Depressariodes Turati, 1924: 175. Type species: *Depressariodes marmaricellus* Turati, 1924, by monotypy; Becker, 1984: 142, for synonymy.

Martyrhilda Clarke, 1941: 39. Type species: *Depressaria canella* Busck, 1904.