

Annotated List Of Ontario Lepidoptera

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COSSIDAE (LEPIDOPTERA) OF PAKISTAN

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An annotated list of Cossidae of Pakistan, which includes 27 species of 18 genera from 3 subfamilies is presented. Four species (*Cossus afghanistana* Daniel, 1953, *Samagystia cossoides* (Graeser, 1892), *Zeuzera nepalense* Daniel, 1962, and *Azygophleps pusilla* (Walker, 1856)) are reported for the fauna of Pakistan for the first time.

Key words: fauna, Lepidoptera, Cossidae, Pakistan.

INTRODUCTION

Carpenter moths (Lepidoptera, Cossidae) of South Asia have been studied rather fragmentary. Sufficiently complete observations were published on the fauna of India (Arora, 1976), China (Hua et al., 1990), Lebanon (Saldaitis et al., 2007), Andaman Islands (Yakovlev, 2005), Thailand (Yakovlev, 2004a; b; c), Vietnam (Yakovlev & Witt, 2009), Afghanistan (Yakovlev et al., 2015) and Socotra Island (Borth et al., 2011). The fauna of Pakistan remains rather poorly studied. Only few species of Cossidae were described from its territory: *Eremocossus foedus* (Swinhoe, 1884), *Aholococcus romkayorum* Yakovlev, 2006, *Cossulus griseatellus* Yakovlev, 2006, *Phragmataecia garkol* Yakovlev, 2007, *Irtitania sapho* Yakovlev, 2007, *V. beludhi* Yakovlev & Saldaitis, 2016 and *Dervishya sindhi* Yakovlev & Saldaitis, 2016 (Swinhoe, 1884; Yakovlev, 2006a, 2007; Yakovlev & Saldaitis, 2016). In addition, some species were reported from Pakistan in various papers: *Cossulus striatiger* (Alpheraky, 1893) (Daniel, 1971), *Chimocossus acronyctoides* (Moore, 1879) and *Deserticossus arenicola iranica* (Austaut, 1897) (Arora, 1976), *Cryptoholococcus mongolicus* (Erschoff, 1882) (Yakovlev, 2006b), *Cossulus turkomanicus albus* (Daniel, 1971) (Yakovlev, 2006c). Forest entomologists from Pakistan recorded *Zeuzera* sp. on *Juglans regia* (Gul & Wali-ur-Rehman, 1999) and *Zeuzera multistrigata* Moore, 1881 (Viqar et al., 2005).

MATERIAL AND METHODS

As a result of processing of the material deposited in different museums of Europe an exhaustive list of Cossidae of the fauna of Pakistan is presented. Following acronyms of the states and private collections with Lepidoptera depositaries are used in the text: AHU – collection of Armin Hauenstein (Untermünchheim, Germany); BMNH – The Natural History Museum (London, Great Britain); MNHW – Naturhistorisches Museum (Wien, Austria); MHUB – Museum für Naturkunde, Leibniz Institut für Evolution und Biodiversitätsforschung (Berlin, Germany); MSW – collection of Manfred Strähle (Weiden, Germany); MWM – Entomological Museum of Thomas Witt (Munich, Germany); WSM – collection of Wolfgang Speidel, Munich, Germany; ZSM – Zoologische Staatssammlung München (Munich, Germany).

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