



Four new *Owadaglaea* species from the greater Himalayan region (Lepidoptera, Noctuidae)

BALÁZS BENEDEK¹, ROBERT BORTH² & AIDAS SALDAITIS^{3,4}

¹H-2045, Törökbálint, Árpád u. 53., Hungary. E-mail: benedekia@gmail.com

²LepBio, LLC. E-mail: borborth@sbcglobal.net

³Nature Research Centre, Akademijos 2, LT-08412 Vilnius-21, Lithuania. E-mail: saldrasa@gmail.com

⁴Corresponding author. E-mail: saldrasa@gmail.com

Abstract

Descriptions of four new *Owadaglaea* Hacker and Ronkay, 1996 (*O. kulmani* sp. n., *O. reta* sp. n., *O. michelleae* sp. n., and *O. dominiki* sp. n.) from Nepal, China and Myanmar are provided along with detailed comparisons to their nearest relatives. A full revised checklist of the genus is presented with the taxonomical placement of the new species.

Key words: Lepidoptera, Noctuidae, *Owadaglaea*, new species, Nepal, China, Myanmar

Introduction

The genus *Owadaglaea* was first established by Hacker and Ronkay (1996). Their detailed characterizations and distribution patterns were expanded upon by Hreblay & Ronkay (1998) who described seven new species and discussed relationships within four species groups. Further refinements by Ronkay & Ronkay (2000) reduced those four groups to the *lucida* and *chloromixta* and *barna* species-groups. A checklist of these groups including four newly described taxa is compiled here. Genitalic comparisons were used to order the twenty-two species and two subspecies of *Owadaglaea* taxonomically, and suggest species-pairs and close relatives.

Material and methods

Moths were collected at night using ultraviolet lights. DNA barcodes (658 base pairs of Cytochrome Oxidase Subunit I 5' region; COI-5P) for ten specimens of *Owadaglaea* were sequenced at Paul Hebert's lab at the University of Guelph. Nomenclature and checklists used in this study follow: Hacker & Peks 1993; Hacker & Peks 1996; Hacker & Ronkay 1996a; Hampson 1894; Hampson 1906; Hreblay & Ronkay 1998; Hreblay & Ronkay 1999; Ronkay & Ronkay 2000; Ronkay *et al.* 2010a; Ronkay *et al.* 2010b; Smith 2002; Yoshimoto 1994. Institutional acronyms are as follows: AFM—Alessandro Floriani (Milan, Italy); BBT—Balázs Benedek (Törökbálint, Hungary); GBG/ZSM—Gottfried Behounek (Grafing, Germany) / Zoologische Staatssammlung, München (Germany); HSV—Helmut Seibald (Vienna, Austria); NRCV—Nature Research Centre (Vilnius, Lithuania)

Systematic accounts

Owadaglaea reta Benedek, Borth & Saldaitis sp. nov.

(Figs. 1, 2, 15, 23)

Type material. Holotype: male (Fig. 1), China, W. Sichuan, road Ya'an/Kangding, Erlang Shan Mt., 2100 m, 6. x.