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## A new species of the genus *Toxoides* Hampson, 1893 (Lepidoptera: Thyatiridae) from China

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### Abstract

A new species of the genus *Toxoides*, *T. sichuanensis* sp. n. is described based on specimens collected in Sichuan, China. Illustrations of male adult and male genitalia are provided, together with a distribution map of the genus *Toxoides*.

**Key words:** Lepidoptera, Thyatiridae, *Toxoides*, new species, China

### Introduction

The genus *Toxoides* was erected by Hampson (1883) in the family Cymatophoridae (=Thyatiridae), on the basis of a new species, *T. longipennis* Hampson, 1883, from Sikkim. Although Della Torre (1921) did not include this genus in the world catalog of Cymatophoridae, Houlbert (1921) retained *Toxoides* in this family. The type species of *Toxoides*, *T. longipennis*, was synonymized with *Osica undulata* Moore, 1867 by Gaede (1930). The genus *Osica* Walker, 1865 was settled in Noctuidae, and transferred to Notodontidae by Turner (1903). Bryk (1943) described *Toxoides emphloius* from Burma (=Myanmar), which was synonymized with *T. undulatus* by Yoshimoto (1992). The relationship and taxonomy of this monotypic genus was discussed by László *et al.* (2007).

Published literatures mentioned above have been recorded 84 specimens of this genus from six different countries in altitude 700m to 2900 m, between April to November, since 1893 to 2007, but without finding any other species of this genus (Fig. 1). In 2014 the authors examined additional specimens of thyatirid moths from Sichuan Province, China. After identifying the specimens and comparing the descriptions of the type species carefully, a new species of this genus is described herein.

### Material and methods

Three specimens are deposited in the Department of Entomology, South China Agricultural University, Guangzhou, China and were collected from the province of Sichuan, China by light trap. Photograph of adult were taken with a Nikon Coolpix 4500 digital camera. Illustration of male genitalia were obtained by 5%–10% boiled NaOH solution then been tabletting and photographed (Carl Zeiss Stemi 2000-CS stereoscope and Carl Zeiss SteREO Discovery V12 stereoscopic microscope). Terminology follows László *et al.* (2007).

### Taxonomy

#### *Toxoides sichuanensis* sp. n.

**Type material.** Holotype male, China, Sichuan, Dongla Mountain, 1733 m, 18 June, 2012, leg. WANG Houshuai and DENG Xiaohua. Paratypes: 1 male, same data as the holotype; 1 male, China, Sichuan, Gongga Mountain, 2000 m, 02 August, 2010, leg. WANG Min, Slide No.zhl25.

dark gray long hairs. Forewing relatively narrow, usually brown with irregular and unevenly pattern, apex less pointed, with distinct dark brown apical macula, costa convex. Median area with clearly small orbicular and narrow reniform stigmata, darker brown in the upper half of median area, the lower distinctly silvery white. Antemedial area, antemedial and postmedial line more or less reddish area or reddish stripe. Female: Unknown.

Male genitalia (Fig 2b): The typical features slender, uncus long, slightly curved, socii near uncus and ca 3/4 times as long as it, originating from the tapered top of tegumen. Tegumen simple and slender. Fultura superior without specific features. Valva long, narrow, acute process, costal margin uneven, ventral margins always straight, both of them slightly sclerotized. Fultura inferior with large, densely setose, triangular lobes. Aedeagus medium-long, thick, carinal hook short, vesica with a large field made up of prickle-like removable substance.

**Distribution.** China (Sichuan).

**Etymology.** The specific epithet is derived from the type locality.

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