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## A new species of *Lamiogethes* and a new species of *Meligethes* from China (Coleoptera: Nitidulidae: Meligethinae)

YING CHEN<sup>1</sup>, XIAOLI LIN<sup>1</sup>, MIN HUANG<sup>1,3</sup> & XING KE YANG<sup>2</sup>

<sup>1</sup>Key Laboratory of Plant Protection Resources and Pest Management of Ministry of Education, Entomological Museum, Northwest A&F University, Yangling, Shaanxi 712100, China

<sup>2</sup>Key Laboratory of Zoological Systematics and Evolution, Institute of Zoology, Chinese Academy of Sciences, Beijing 100101, China

<sup>3</sup>Corresponding author. E-mail: [huangmin@nwsuaf.edu.cn](mailto:huangmin@nwsuaf.edu.cn)

### Abstract

A new species of *Lamiogethes* Audisio & Cline, 2009, *L. nyingchiensis* **sp. nov.**, and a new species of *Meligethes* Stephens, 1830, *M. (Odontogethes) scrobescens* **sp. nov.** are described and illustrated from China. The differences between these new species and closely related species are discussed. The materials examined are deposited in the Institute of Zoology, Chinese Academy of Sciences, Beijing, China (IZAS).

**Key words:** Cucujoidea, Taxonomy, *Odontogethes*, Pollen Beetles

### Introduction

The genus *Meligethes* (Coleoptera: Nitidulidae: Meligethinae) was established by Stephens in 1830 (type species: *Nitidula rufipes* Marsham, 1802). According to Kirejtshuk (2008, 2011) and Kirejtshuk & Kirejtshuk (2012), the genus *Meligethes* includes 6 subgenera. Audisio *et al.* (2009, 2015), and Trizzino *et al.* (2009) discussed a preliminary phylogenetic scenario of *Meligethes* based on both morphological and molecular data, in which they described 22 new genera and elevated the 6 previous subgenera of *Meligethes* to generic rank.

In China, Kirejtshuk (2005) published a new species in the genus *Meligethes* from Taiwan, recently synonymized by Audisio *et al.* (2015). Audisio *et al.* (2005) published 4 new species and provided an updated check-list of the poorly known Chinese *Meligethes* (s. l.) including 54 species. Hisamatsu (2009) revised the Meligethinae from Taiwan and provided a key to the *Meligethes* from Taiwan. Chen *et al.* (2013) published a new species in the genus *Meligethes*, and the authors pointed out that morphological variability for this group is much wider than previously postulated. Audisio *et al.* (2015) published 21 new species in the genus *Meligethes* (as delimited by Audisio *et al.* 2009) from China which were reevaluated into two subgenera (*Meligethes* and *Odontogethes* Reitter, 1871); the authors also pointed out that there are a number of additional new species in China, awaiting formal description (P. Audisio, personal communication, 2015). In this paper, we focus on the specimens of nitidulids deposited in the Institute of Zoology, Chinese Academy of Sciences and describe 2 new species in two genera (*Lamiogethes* and *Meligethes*) from China.

The genus *Lamiogethes* was established by Audisio & Cline in 2009 (type species: *Meligethes ruficollis* Reitter, 1872). The genus can be easily recognized from other genera by a combination of antennal furrows on ventral side of head markedly delimited, nearly parallel-sided, slightly sinuate, slightly divergent posteriorly, clypeus anterior edge slightly bordered (frequently emarginated at middle), outer portions of the pronotal posterior base without punctures, and by markedly raised proepisternal-prosternal sutures (Audisio *et al.* 2009).