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On the *Lathrobium* fauna of the Donggong Mountains, eastern China

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Abstract

Material of the paederine genus *Lathrobium* Gravenhorst, 1802 from the Donggong Mountains, eastern China, is examined. Fifteen species are identified, seven of them described previously and eight undescribed. Seven species are described and illustrated for the first time, all of them micropterous and locally endemic: *L. haoae* Peng & Li sp. n., *L. songi* Peng & Li sp. n., *L. yui* Peng & Li sp. n., *L. fengyangense* Peng & Li sp. n., *L. liyangense* Peng & Li sp. n., *L. mu* Peng & Li sp. n. and *L. yani* Peng & Li sp. n. One probably undescribed species remains unnamed. The female sexual characters of *L. baishanzuense* Peng & Li, 2012 and *L. zhui* Peng & Li, 2014 are described and illustrated for the first time. Including the new taxa, 196 *Lathrobium* species are currently known from mainland China.

Key words: Coleoptera, Staphylinidae, *Lathrobium*, new species, Donggong Mountains, China

Introduction

189 species of the genus *Lathrobium* Gravenhorst have been reported from mainland China, the vast majority of them locally endemic. Eighteen micropterous species were previously recorded from Zhejiang and three species from Fujian, seven of which are known from Donggong Mountains: *L. imadatei* Watanabe & Luo, 1992 and *L. tamurai* Watanabe & Luo, 1992 from Wuyanling Natural Reserve, *L. baishanzuense* Peng & Li, 2012, *L. immanissimum* Peng & Li, 2012, *L. obstipum* Peng & Li, 2012, *L. tangi* Peng & Li, 2012 and *L. zhui* Peng & Li, 2014 from Baishanzu Natural Reserve (Assing, 2013a–b; Peng *et al.* 2012a–d, 2014; Watanabe, 1999a–b; Watanabe & Luo, 1992).

The Donggong Mountains form a major east-west mountain range on the border between Zhejiang and Fujian, China. The highest peak of the Donggong Mountains is the Huangmaojian at 1,929 m. The Donggong Mountains are a part of the Wuyi mountain system, which is strongly influenced by subtropical monsoon rains (Zhang, 2004).

In recent years, we conducted several collecting trips and obtained numerous *Lathrobium* specimens. Fifteen species were recognized, including seven new species and the previously unknown females of *L. baishanzuense* and *L. zhui*.

Material and methods

The following abbreviations are used in the text, with all measurements in millimeters: Body length (BL) from the anterior margin of the mandibles (in resting position) to the abdominal apex; forebody length (FL) from the anterior margin of the mandibles to the posterior margin of the elytra; head length (HL) from the anterior margin of the frons to the posterior margin of the head; head width (HW): maximum width of head; length of antenna (AnL); length of pronotum (PL) along midline; maximum width of pronotum (PW); elytral length (EL) at the suture from the apex of the scutellum to the posterior margin of the elytra (at the sutural angles); length of aedeagus (AL) from the apex of the ventral process to the base of the aedeagal capsule.

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