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## Two new species and additional records of *Lathrobium* Gravenhorst (Coleoptera: Staphylinidae: Paederinae) from Guangxi, South China

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### Abstract

Material of the paederine genus *Lathrobium* Gravenhorst, 1802 from the Chinese province of Guangxi is examined. Five apterous species are identified, two of which are described as new to science: *L. damingense* Peng & Li **sp. n.** (Daming Shan) and *L. hujiayaoi* Peng & Li **sp. n.** (Maoer Shan). The female sexual characters of *L. proprium* Peng & Li are described and illustrated for the first time. With the newly described species in this paper, the *Lathrobium* fauna of Guangxi constitutes 9 species, that of the entire mainland China 168 species.

**Key words:** Coleoptera, Staphylinidae, *Lathrobium*, new species, Guangxi, China

### Introduction

Up to today, 166 species of the genus *Lathrobium* Gravenhorst have been reported from the mainland China. Previously, the provinces with the greatest diversity of the species of *Lathrobium* were Yunnan (60 species), followed by Sichuan (39 species), Shaanxi (20 species), and Zhejiang (17 species) (Assing, 2013; Assing, in press; Peng *et al.* 2013). Seven species have been recorded from Guangxi Province (Peng *et al.* 2012).

Guangxi Province covers an area of more than 236,000 square kilometers in the west of South China. This province is an area characterized by karst topography, and mountains make up more than two thirds of its total area. The highest peak of Guangxi is the Maoer Shan at 2,141 m. Guangxi is subject to subtropical monsoon climate. The primary vegetation is evergreen broad-leaved forest (Lu & Liang, 1983).

Watanabe (2011) was the first to describe a micropterous *Lathrobium* species from Guangxi. Six additional species, all of them micropterous and locally endemic, were subsequently reported by Peng *et al.* (2012). In Guangxi, *Lathrobium* species have been described from the Maoer Shan (*L. miaoershanum* Watanabe, 2011; *L. miaoershanum* Peng & Li, 2012; *L. proprium* Peng & Li, 2012; *L. zhujianqingi* Peng & Li, 2012), the Shengtang Shan (*L. shengtangshanense* Peng & Li, 2012), the Dayao Shan (*L. dayaoshanense* Peng & Li, 2012), and the Huaping Nature Reserve (*L. zhangdinghengi* Peng & Li, 2012) ( Fig. 1).

In 2012, our colleagues made a collecting trip to Guangxi Province (Maoer Shan, 25°54'N, 110°27'E, and the Daming Shan, 23°23'N, 118°29'E), where they collected numerous *Lathrobium* specimens. An examination of this new material yielded five apterous species, including two undescribed species and the previously unknown female of *L. proprium* Peng & Li, 2012.

### Material and methods

The following abbreviations are used in the text, with all measurements in millimeters:

Body length (BL): length of body from the anterior margin of the mandibles (in resting position) to the abdominal apex.