



## The genus *Laccobius* in China: new species and new records (Coleoptera: Hydrophilidae)

FENGLONG JIA<sup>1</sup>, ELIO GENTILI<sup>2,5</sup> & MARTIN FIKÁČEK<sup>3,4</sup>

<sup>1</sup>Institute of Entomology, Life Science School, Sun Yat-sen University, Guangzhou, 510275, Guangdong, China.

E-mail: fenglongjia@yahoo.com.cn

<sup>2</sup>Via San Gottardo 37, I-21030 Varese-Rasa, Italy; E-mail: elio.gentili.32@alice.it

<sup>3</sup>Department of Entomology, National Museum, Kunratice 1, CZ-148 00 Praha, Czech Republic. E-mail: mfikacek@gmail.com

<sup>4</sup>Department of Zoology, Faculty of Science, Charles University in Prague, Viničná 7, CZ-128 44 Praha 2, Czech Republic

<sup>5</sup>Corresponding author

### Abstract

The species of the water scavenger beetle genus *Laccobius* Erichson, 1837 occurring in China are reviewed. Two new species are described: *Laccobius* (*Glyptolaccobius*) *qinlingensis* sp. nov. (Shaanxi) and *L. (Cyclolaccobius) hainanensis* sp. nov. (Hainan). Five species are recorded for the first time: *Laccobius* (*Dimorpholaccobius*) *bipunctatus* (Fabricius, 1775), *L. (D.) striatulus* (Fabricius, 1801) and *L. (Compsolaccobius) pallidissimus* Reitter, 1899 (all from Xinjiang), *L. (Microlaccobius) tonkinensis* Gentili, 1979 (Shaanxi), and *L. (Compsolaccobius) decorus* (Gyllenhal, 1827) (Qinghai). Additional faunistic data from China are provided for the following species: *L. (Cyclolaccobius) hingstoni* Orchymont, 1926, *L. (C.) nitidus* Gentili, 1984, *L. (C.) politus* Gentili, 1979, *L. (C.) yunnanensis* Gentili, 2003, *L. (Dimorpholaccobius) simulans* Orchymont, 1923, *L. (s.str.) binotatus* Orchymont, 1934, *L. (s.str.) cinereus* Motschulsky, 1860, *L. (s.str.) colon* (Stephens, 1829), *L. (s.str.) inopinus* Gentili, 1980, *L. (s.str.) minutus* (Linnaeus, 1758), *L. (s.str.) nobilis* Gentili, 1979, *L. (Microlaccobius) elegans* Gentili, 1979, *L. (M.) florens* Gentili, 1979, *L. (M.) formosus* Gentili, 1979, *L. (M.) hammondi* Gentili, 1984, *L. (M.) himalayanus* Gentili, 1988, and *L. (M.) nepalensis* Gentili, 1982. An updated checklist of *Laccobius* species occurring in China is provided.

**Key words:** Hydrophilidae, Laccobiini, *Laccobius*, new species, new records, China, Palearctic Region, Oriental Region, taxonomy

### Introduction

*Laccobius* Erichson, 1837 is one of the largest genera of the family Hydrophilidae. At present, it comprises nearly 254 species distributed in all regions except of South America (Hansen 1999; Short & Hebauer 2006; Short & Fikáček 2011). Gentili (1995, 2003) provided the first complete reviews of the Chinese fauna; two further species were described and new faunistic data were added by Jia (1997) and Gentili (2005), and one species recently synonymized by Gentili (2012). In total, 25 species of the genus have been recorded from China to date. Still, no data are available for several regions of China (e.g., Jiangsu and Shanxi provinces and Ningxia autonomous region) and the knowledge of the fauna of many provinces is rather limited.

Here, we summarize recent findings from the examination of material deposited in several Chinese collections as well as specimens collected recently in different parts of China by the first and third authors. Two new species are described, including the first representative of the subgenus *Glyptolaccobius* Gentili from China, with five additional species reported from China for the first time. Additional faunistic records are provided for several other species. The total number of *Laccobius* species occurring in China now stands at 32.