



<http://dx.doi.org/10.11646/zootaxa.3734.1.11>

<http://zoobank.org/urn:lsid:zoobank.org:pub:80AE4DC3-326F-4839-81A5-AFC8DB775D19>

A new species of *Laccobius* Erichson, 1837 from China (Coleoptera: Hydrophilidae)

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Abstract

A new species of the water scavenger beetle, *Laccobius* (*Cyclolaccobius*) *martini* **sp. nov.**, is described from Shiwandashan, southern Guangxi Autonomous Region, China. Digital photographs of several useful taxonomic features are provided. Additionally, the identification key to *Laccobius* (*Cyclolaccobius*) of China and neighbouring countries is updated to include this new species.

Key words: Coleoptera, Hydrophilidae, *Laccobius*, *Cyclolaccobius*, aquatic beetles, new species, Oriental Region, China

Introduction

The subgenus *Cyclolaccobius* Gentili of the genus *Laccobius* Erichson, 1837 was erected by Gentili (1991) and originally included 17 species. Since then, 15 new species have been described from the Oriental, Afrotropical and Palearctic regions (Gentili 1995, 1996, 1997, 2003, 2012, Hebauer & Wang 1998, Kamite *et al.* 2007, Short & Hebauer 2006, Short & Fikáček 2011, Jia *et al.* 2013). Three species, assigned previously to the subgenus *Glyptolaccobius*, 1989, by Gentili & Fikáček (2009), were also recently transferred to the subgenus *Cyclolaccobius* by Short & Fikáček (2011) and Gentili (2012). Currently, a total of 35 species of *Laccobius* (*Cyclolaccobius*) are known of which 26 species occur in the Oriental region, five in the Afrotropical region, two in the Palearctic region (Pakistan and Honshu, Japan), and three in the border area between the Oriental and Palearctic regions (*L. zugmayeri* Kniz, 1910 and *L. hingstoni* d'Orchymont, 1926 occurring in the Himalaya and Tibetan Plateau, and *L. nitidus* Gentili, 1984 occurring in southern China) (Hansen 1999, Jia *et al.* 2013).

In summer of 2011, the second author collected a series of specimens of *Laccobius* (*Cyclolaccobius*) from the sandy banks of a river, which we here describe as a species new to science.

Material and methods

The holotype and a portion of the paratypes were dissected with the male genitalia mounted in glycerin on transparent plastic labels attached below each specimen. Specimens and genitalia were examined using an Olympus SZX10 compound microscope. Habitus photographs were taken using an Axioskop 40 compound microscope and the layers were combined with Auto-Montage software.

Morphological terminology follows Hansen (1991) and Gentili (2012). Examined specimens are deposited in the following collections:

- Dorsum with yellowish brown setae or without conspicuous setae, the setae not forming lines along primary punctural rows, secondary rows of punctures somewhat denser 5b
- 5b. Elytral primary puncture rows conspicuously setiferous at 100×; fifth row slightly sulciform. Elytral pale lateral strip constricted at midlength, then suddenly widening near elytral apex. Median lobe constricted subapically, weakly narrowing apically. *L. hainanensis* Jia, Gentili & Fikáček, 2013
- Elytral primary puncture rows not or scarcely setiferous at 100×; fifth row normal, not sulciform. Elytral pale lateral strip uniformly wide, only widening near elytral apex. Median lobe indistinctly constricted subapically, widely rounded at apex. *L. politus* Gentili, 1979

Acknowledgements

We are grateful Miss. Junlei Liao and Yongjun Li for their assistance with photographs. Special thanks are given to Dr. Robert Angus, Department of Life Sciences (Entomology), The Natural History Museum, UK, for his kind help with English. This study was supported by the National Natural Science Foundation of China (grant no. 31272266) awarded to F. Jia.

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