



## A taxonomic review of the genus *Junnanotrechus* Uéno & Yin, 1993 (Coleoptera: Carabidae: Trechinae), with description of six new species

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### Abstract

Six new species of the genus *Junnanotrechus* Uéno & Yin, 1993 are described from Yunnan Province, southern China: *J. wrasei* sp. n. (from the Diancang Shan Mt. R.), *J. triporus* sp. n. (from the mountains east of Weishan), *J. schuelkei* sp. n. (from the Ailao Shan Mountain Range), *J. elegantulus* sp. n. (from the Daxueshan Mount east of Mengsa Town), *J. oblongus* sp. n. (from the Daxueshan Mount west of Niutoushan Village), *J. koroleviellus* sp. n. (from the mountains west of Yunxian Town). New taxa discovered allow a more precise definition of diagnostic characters for the genus. All species were extensively measured and morphometric indices are given. The members of the genus are keyed and their known distribution is mapped. Geographic patterns in transformations of major character states suggest the center of dispersal for members of the genus was, most likely, somewhere in the valley of the Mekong (=Lancang Jiang) River west of the Ailao Shan Mountain Range.

**Key words:** new species, new status, taxonomy, carabids, Trechini, Yunnan, China

### Introduction

In the present paper, we review the genus *Junnanotrechus* Uéno & Yin, 1993, a group of the trechine beetles which originally was placed within the *Agonotrechus* phyletic series (Jeannel 1928; Uéno 1977; 1987; 1993). The *Agonotrechus* series seems to be one of the taxonomically most complicated and heterogeneous groups of the trechines in southern China. Some other genera of this complex will be treated later in separate publications.

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