



## A new species of *Augustinus* Korotyaev from China, with a key to the species groups of the genus (Coleoptera: Curculionidae: Ceutorhynchinae)

JUNHAO HUANG<sup>1</sup>, HIRAKU YOSHITAKE<sup>2</sup>, RUNZHI ZHANG<sup>1,3</sup> & MOTOMI ITO<sup>2</sup>

<sup>1</sup> The State Key Laboratory of Integrated Management of Pest Insects and Rodents, Institute of Zoology, Chinese Academy of Sciences, Datun Road, Chaoyang, Beijing 100101, China. E-mail: huangjh@ioz.ac.cn

<sup>2</sup> Department of General Systems Studies, Graduate School of Arts and Sciences, University of Tokyo, Tokyo 153-8902, Japan. E-mail: ceutorhynchinae@yahoo.co.jp

<sup>3</sup> Corresponding author. E-mail: zhangrz@ioz.ac.cn

### Abstract

*Augustinus tuberculatus* Huang, Yoshitake & Zhang, **sp. n.**, is described from Guizhou Province, southwestern China. The species is readily distinguishable from its congeners by the prothorax having five pairs of tubercles in addition to paired median prominences. We classify the species into a new species group, the *A. tuberculatus* group, based mainly on the basally convex rostrum, elytral interval 1 with a velvety black scaly patch in the basal 1/3, interval 3 with a large obtuse tubercle in the middle (with 1–3 rows of setiferous granules), the posterior margin of ventrite 2 angularly produced in the middle and the anterior and posterior margins of ventrite 4 equidistant along their entire length. A key to the species groups of *Augustinus* is provided.

**Key words:** Cnemogonini, *Augustinus*, species group, new species, Guizhou, China

### Introduction

The genus *Augustinus* Korotyaev, 1981 (Ceutorhynchinae: Cnemogonini) is largely characterized by the black and thinly squamose body, a pair of large prominences on the pronotum and the presence of denticulate tubercles and acute granules on the odd-numbered intervals of the elytra (Yoshitake 2005). Presently *Augustinus* consists of 12 species known from Japan, Korea and Vietnam (Colonnelli 2004; Korotyaev & Hong 2004; Yoshitake 2005). The five Japanese species have been classified into three species groups (Yoshitake 2005). Although no species have been recorded from China until now, the occurrence of *Augustinus* was strongly expected from the distribution pattern of this genus. A new species of *Augustinus*, differing from all known congeners in taxonomically important features, was recently found in Guizhou Province, southwestern China, and fills a significant gap in the distributional range of the genus. In addition to its description, we discuss the taxonomic position of the new species within *Augustinus*, based on the provisional intrageneric classification by Yoshitake (2005).

### Material and methods

External structures were studied under a Nikon SMZ1500 stereoscopic microscope. Measurements of body parts are defined and abbreviated as follows: LB = body length from apex of pronotum to the apices of elytra; LR = rostrum length in lateral view; WP = maximum width of pronotum; LP = length of pronotum from base