



Two new species of *Cuspidevia* Jäch & Boukal, 1995 from China (Coleoptera: Elmidae)

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Abstract

Two new species of the genus *Cuspidevia* Jäch & Boukal, 1995 (Macronychini) are reported from Jiangxi Province, China: *Cuspidevia brevis* **sp. nov.**, *Cuspidevia jaechi* **sp. nov.** Descriptions, diagnoses, illustrations and a key to *Cuspidevia* are given.

Key words: Macronychini, *Cuspidevia*, taxonomy, new species, China

Introduction

The genus *Cuspidevia* was reported from Hong Kong, Guangxi and Hunan by Jäch & Boukal (1995) for the first time, and one species was present. Since then, no new species of this genus have been reported from China or other countries.

In this paper, we describe two new species of *Cuspidevia* from Jiangxi Province, China. All of the type specimens are deposited in the Institute of Applied Ecology, Shenyang, Chinese Academy of Sciences (IAECAS).

Material and methods

Specimens were examined with an Olympus SZX16 stereomicroscope. Further details were studied with an Olympus BX51 compound microscope. Body length was measured from the front margin of the pronotum to the elytral apex. Aedeagal illustrations were drawn with the aid of a drawing tube. Male genitalia were placed in concentrated lactic acid in an excavated slide for at least several hours before they were examined. Elytral striae are partly obsolete in *Cuspidevia*, so elytra were placed in lactic acid for several hours to make them transparent, and to make the punctures underneath the cuticle visible and to make the intervals easy to count. Photos were made with an Olympus E-410 Zoom Digital Camera (10 megapixels) mounted on an Olympus SZX16 dissecting scope and genitalia pictures were made with an Olympus E-410 Zoom digital camera (10 megapixels) mounted on an Olympus BX51 compound microscope.

Taxonomy

Cuspidevia Jäch & Boukal, 1995

Key to the genus *Cuspidevia* Jäch & Boukal

1. Five elytral striae well visible; the first ventrite with a pair of ad-median carinae; ventral sac without teeth.....
.....*Cuspidevia brevis* **sp. nov.**