A new apterous genus of Carventinae (Hemiptera: Aradidae) from China

JIANXIN CUI1, XIAOSHUAN BAI2,5, ERNST HEISS3,5 & WANZHI CAI4

1Department of Plant Protection, Henan Institute of Science and Technology, Hualan Road, Xinxiang, 453003, Henan, China
2Institute of Life Science and Technology, Inner Mongolia Normal University, Zhaowuda Road 81, Huhhot, 010022, Inner Mongolia, China. E-mail: baixs2007@aliyun.com
3Entomological Research Associate, Tiroler Landesmuseum, 2a Josef Schraffl Strasse, A-6020 Innsbruck, Austria. E-mail: aradus@aon.at
4Department of Entomology, China Agricultural University, Yuanmingyuan West Road, Beijing, 100094, China
5Corresponding author

Abstract

A new apterous aradid, Paramorphocoris henanensis Bai & Heiss, gen. et sp. nov., from China is described and illustrated, including the diagnostic morphological features of the new taxon.

Key words: Hemiptera, Aradidae, Carventinae, Paramorphocoris, new genus, new species, apterous, China

Introduction


While examining Chinese Aradidae, we found a remarkable species of Carventinae from Henan province in Central China, which cannot be placed in any known genus. We therefore propose a new genus for this new species.

Material and methods

This study is based on two specimens preserved in the Entomological Museum of the Inner Mongolia Normal University, Huhhot (IMNU). Photos were taken through Keyence VHX-1000 equipment. Measurements were obtained using a calibrated micrometer. All measurements are in millimeters. Abbreviations used in this paper are: deltg = dorsal external laterotergites (connexivum) and mtg = mediotergites.

Taxonomy

Paramorphocoris Bai & Heiss, gen. n.

Type species: Paramorphocoris henanensis Bai & Heiss, sp.n.

Diagnosis. Apterous. Medium sized. Body elongate ovate. Dorsal and ventral surfaces partly covered by grayish incrustation of unique pattern, only lateral borders with few short bristles. Head longer than width across eyes; genae slender, produced over clypeus; antenniferous tubercles stout, conical, apically pointed; eyes small, semiglobose, with...