



## The genus *Leucodellus* Reuter, 1906 in China (Hemiptera: Miridae: Phylinae)

XIAO-MING LI & GUO-QING LIU

Institute of Entomology, College of Life Sciences, Nankai University, Tianjin 300071, China. E-mail: liuqq@nankai.edu.cn

### Abstract

There are three species of *Leucodellus* Reuter recorded from China, of which one, *Leucodellus xizangensis*, is described here as new. The genus *Heterochlorillus* Putshkov, 1970 is treated as a junior synonym of *Leucodellus* Reuter, 1906. The new combinations *Leucodellus amygdali* (Linnavouri) [*Heterochlorillus*], *L. nathaliae* (Josifov) [*Heterochlorillus*], *L. zagdani* (Putshkov) [*Heterochlorillus*], and *L. pallescens* (Zheng and Li) [*Plagiognathus*], are proposed. A key for the discrimination of the Chinese species is given. Photographs of the dorsal habitus and illustrations of the legs and genitalia are provided. All type specimens are deposited in the Institute of Entomology, Nankai University, Tianjin, China.

**Key words:** Hemiptera, Miridae, *Leucodellus*, new synonymy, new combination, new species, China

### Introduction

Reuter (1906) erected the monotypic genus *Leucodellus* to accommodate the type species, *Leucodellus albidus* Reuter, from Sichun (China). *L. albidus* Reuter was originally described from three female specimens collected by Potanin, thus far there has been no further record of this genus.

In this paper, three species of *Leucodellus* Reuter from China are presented of which *Leucodellus xizangensis* is described as new. *Heterochlorillus* Putshkov, 1970 is treated as a junior synonym of *Leucodellus* Reuter, 1906. The new combinations, *L. amygdali* (Linnavouri) [*Heterochlorillus*], *L. nathaliae* (Josifov) [*Heterochlorillus*], *L. zagdani* (Putshko) [*Heterochlorillus*], and *L. pallescens* (Zheng and Li) [*Plagiognathus*], are proposed. A key for the discrimination of the Chinese species is given. Digital habitus photographs, and illustrations of the legs and genitalia are provided. Detailed distributional information is listed for most material examined, including number and sex of specimens.

### Material and methods

All genitalic illustrations were made from temporary slide mounts in lactophenol, using an Olympus SZ-ST microscope. Dorsal habitus photographs were made with a Nikon SMZ1000 apparatus. All measurements are in millimeters. The type specimens are deposited in the Institute of Entomology, College of Life Sciences, Nankai University, Tianjin, China.