



## ***Iocoris nodulifemoralis*, a new genus and new species of Harpactorinae (Hemiptera: Heteroptera: Reduviidae) from China**

PING ZHAO<sup>1</sup>, ZHAOHUI LUO<sup>2</sup> & WANZHI CAI<sup>2,3</sup>

<sup>1</sup> College of Environment and Life Sciences, Kaili University, Kaili, Guizhou 556000, China

<sup>2</sup> Department of Entomology, China Agricultural University, Yuanmingyuan West Road, Beijing 100193, China

<sup>3</sup> Corresponding author. E-mail: caiwz@cau.edu.cn.

### **Abstract**

A new monotypic genus, *Iocoris*, is erected to accommodate an undescribed unique species, *Iocoris nodulifemoralis* **sp. nov.**, in the reduviid subfamily Harpactorinae from China. A key is provided to distinguish the new genus from other closely related genera. The dorsal habitus and other diagnostic characters are illustrated. The type specimens are preserved in the Entomological Museum of China Agricultural University, Beijing.

**Key words:** Reduviidae, Harpactorinae, taxonomy, China, new genus, new species

### **Introduction**

The reduviid subfamily Harpactorinae includes about 300 genera and 2000 species worldwide (Putshkov & Putshkov 1985; Maldonado-Capriles 1990). About 170 species in 49 genera in Harpactorinae have been recorded from China (Hsiao & Ren 1981; Cai 1991, 1995; Hua 2000; Ren 2001; Cai & Tomokuni 2003; Chen et al 2005; Truong et al 2005; Zhao et al 2006a, b, c, 2007). In this study, we have found an undescribed genus and species from China.

### **Materials and methods**

This study is based on materials kept in the Entomological Museum of China Agricultural University, Beijing. Male genitalia of the reduviids were soaked in hot 10% potassium hydroxide solution for approximately 5 minutes to remove soft tissue, rinsed in distilled water, and dissected under a Motic binocular dissecting microscope. All drawings were traced with the aid of a camera lucida. Morphological terminology follows that of Cai & Tomokuni (2003). Measurements were obtained using a calibrated micrometer. Body length was measured from the apex of head to the tip of the hemelytra in resting position. Maximum width of pronotum was measured across the humeral angles.

### **Systematics**

#### ***Iocoris* gen. nov. (Figs. 1–9)**

Type species. *Iocoris nodulifemoralis* sp. nov.

**Diagnosis.** Body elongate-oblong, abdomen moderately dilated (Figs. 1, 3). Head subequal to pronotum in length; postocular area slightly longer than anteocular; first antennal segment slightly longer than head;