

***Gansucossus*, a replacement name for *Yumenia* Hong, 1982 (Insecta, Hemiptera, Palaeontinidae), with description of a new genus**

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Abstract

Yumenia Hong, 1982 preoccupied by *Yumenia* Hou, 1958, is replaced with *Gansucossus* (Hemiptera, Palaeontinidae). The diagnostic characters for *Gansucossus* are presented and synonymies for *Gansucossus pectinatus* (Hong, 1982) and *Gansucossus luanpingensis* (Hong, 1983) are established. The diagnostic characters for *G. pectinatus* and *G. luanpingensis* are revised. A new species, *Gansucossus typicus* **sp. nov.**, is described from the Middle Jurassic of Daohugou, Inner Mongolia, China. The new genus *Daohugoucossus* gen. nov. and new species *Daohugoucossus solutus* **sp. nov.**, are erected based on a hind wing from the Middle Jurassic of Daohugou.

Key words: *Yumenia* Hong, 1982, *Yumenia* Hou, 1958, *Gansucossus* nom. nov., *Daohugoucossus solutus* gen. et **sp. nov.**, Hemiptera, Palaeontinidae, Middle Jurassic, Daohugou, China, new genus, new species, new combination, homonymy

Introduction

Palaeontinidae Handlirsch, 1906 is an extinct family of hemipterous insects that existed from the Triassic to the Cretaceous (Shcherbakov, 1988; Martins-Neto, 1998; Shcherbakov & Popov, 2002; Menon *et al.*, 2005; Wang *et al.*, 2006). So far, more than thirty genera have been reported, of which, however, we have only six genera, consisting of diagnostic hind wings because of poor preservation. They are *Cicadomorpha* Martynov, 1926, *Fletcheriana* Evans, 1956, *Plachutella* Becker-Migdisova, 1949, *Shurabocossus* Becker-Migdisova, 1949, *Suljuktaja* Becker-Migdisova, 1949, and *Yumenia* Hong, 1982. *Sinopalaeocossus* Hong, 1983 was erected based on an incomplete hind wing with the most important basal part missing and its systematic position is questionable. *Ilerdocossus*