



# Article

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## A taxonomic review of the grassland leafhopper genera *Gurawa* Distant and *Chiasmus* Mulsant & Rey (Hemiptera: Cicadellidae: Deltocephalinae: Chiasmini) from China with description of a new species

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### Abstract

Chinese species of *Gurawa* Distant (tribe Chiasmini) are reviewed and a new species, *Gurawa truncata* **sp. nov.**, is described and illustrated. The related genus *Chiasmus* Mulsant & Rey is reported from China for the first time and descriptions and illustrations are provided for the genus and one undetermined species. Checklists to species of both genera are provided.

**Key words:** Auchenorrhyncha, taxonomy, morphology, identification

### Introduction

The composition of the grassland leafhopper tribe Chiasmini was reviewed by Zahniser (2008) at which time *Gurawa* Distant was transferred from Aphrodini to Chiasmini. This genus, together with *Chiasmus* Mulsant & Rey, can be distinguished by the foliaceous anterior margin of the vertex (Plate I: C), male pygofer lacking macrosetae and basolateral cleft absent or not membranous (Fig. 1A). The two genera differ from each other in the position of the ocelli: near the anterior margin of the head in *Gurawa* (Plate I: C), but on the vertex some distance from the anterior margin in *Chiasmus* (Plate III: B). Also, the forewing is macropterous in *Gurawa* (Plate I: C), but usually brachypterous in *Chiasmus* (Plate III: B).

In this paper, the Chinese species of *Gurawa* and *Chiasmus* are described and illustrated including a new species, and the latter genus is reported from China for the first time. Type specimens and other material examined are deposited in the Entomological Museum of Northwest A & F University (NWAUFU). Morphological terminology follows Oman (1949) and Zhang (1990).

### Taxonomy

#### *Gurawa* Distant

*Gurawa* Distant, 1908: 263; Zahniser, 2008: 22.

Type species: *Gurawa vexillum* Distant, 1908.

**Description.** Surface of vertex, pronotum and scutellum shagreen (Plate I: A). Head wider than pronotum. Vertex subtriangular, flat, anterior margin foliaceous, lateral margins oblique and almost in line with outer margins of eye, ocellus near anterior margin of head, far from eye, eye projecting posterad beyond anterior angles of pronotum (Plate I: A–C); genae deeply notched below eye, extended beyond anteclypeus (Plate I: D). Pronotum distinctly carinate laterally, more than twice as broad as long (Plate I: A–C). Forewing passing abdominal apex, appendix absent, apices