



Review of the idiocerine leafhoppers of Pakistan (Hemiptera, Cicadellidae) with a description of a new species

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Abstract

The Idiocerinae of Pakistan are reviewed and a new species, *Tasnimocerus sindhensis* sp. nov. (Pakistan: Tandojam), is described and illustrated from Pakistan. Two new junior synonyms of *Idioscopus nitidulus* (Walker) are recognized: *Idioscopus karachiensis* Ahmed, Naheed & Ahmed syn. nov. and *I. freytagi* Ahmed, Naheed & Ahmed syn. nov. *Idioscopus nagpurensis* (Pruthi) is newly recorded from Pakistan. A checklist of Idiocerinae from Pakistan is also provided together with a key to genera and species.

Key words: Idiocerinae, checklist, key

Introduction

The leafhopper species of the subfamily Idiocerinae feed and breed on trees and some are serious pests of Mango (*Mangifera indica* L.) in the Indian subcontinent where 10 genera and 43 species are recorded (Viraktamath, 2007). These leafhoppers can be recognized by their wedge-shaped appearance with short and broad head, ocelli on the face, facial sutures extending beyond the antennal pits almost to the ocelli, forewing with a wide appendix and male genitalia with the style elongate and the connective rather T-shaped.

Up to the present time fifteen genera of Idiocerinae have been described from the Indian subcontinent (see key by Viraktamath, 2007). With respect to the Pakistan fauna, six species have been recorded from the region including three new species by Ahmed *et al.* (1980), *Amritodus saeedi*, *Idioscopus karachiensis* and *I. freytagi*, all breeding on Mango from Karachi. Further leafhopper collecting in the region has revealed a new species of *Tasnimocerus* Ghauri, which together with *Jogocerus* Viraktamath (1979) and *Nilgiriscopus* Viraktamath (2007) from India has a rugose rather than shagreen pronotum. Also, *Idioscopus nagpurensis* (Pruthi) is newly recorded from Pakistan and *Idioscopus freytagi* and *I. karachiensis* are placed as junior synonyms of *I. nitidulus* (Walker). These findings are detailed in the present study along with checklist of species from Pakistan and a key for their separation.

Depositories. The depositories of material used in this study are abbreviated in the text as follows.

BMNH	The Natural History Museum, London, United Kingdom.
ZMUK	Zoological Museum, University of Karachi, Karachi, Pakistan
IKC	Private collection of Imran Khatri

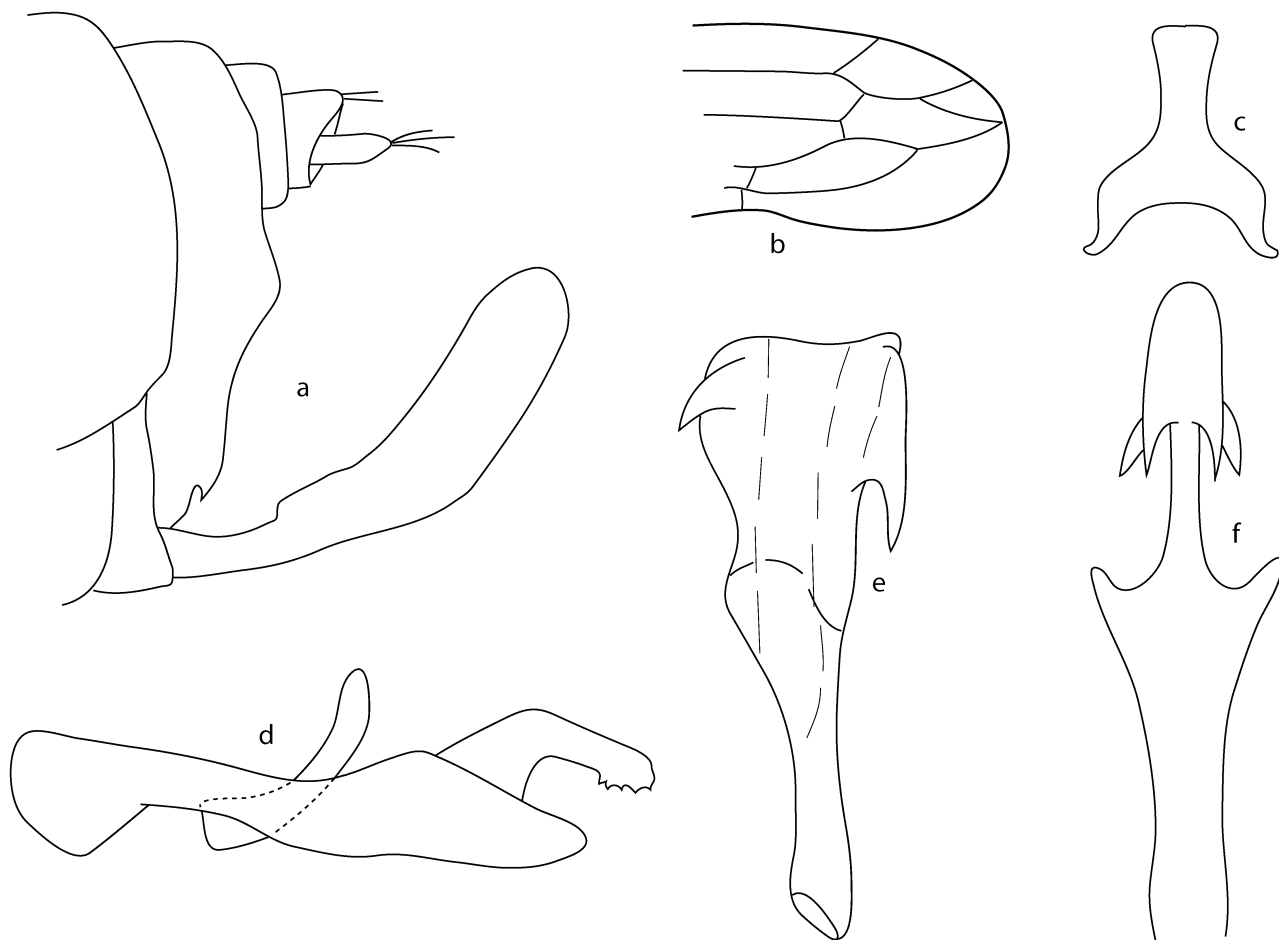


FIGURE 6. *Balocha pallida* (from original): a, pygofer lateral view; b, forewing; c, connective; d, style dorsal view; e, aedeagus lateral view; f, aedeagus dorsal view.

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