



Three new species of the genus *Krisna* Kirkaldy (Hemiptera: Cicadellidae: Iassinae) from China, with a checklist of the genus

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Abstract

Eight species of the genus *Krisna* Kirkaldy from China including three new species are recognized: *Krisna concava* Li & Wang, *K. furcata* **sp. nov.**, *K. nigromarginata* Cai & He, *K. rufimarginata* Cai & He, *K. strigicollis* (Spinola), *K. viridula* Li & Wang, *K. daiyunensis* **sp. nov.**, *K. viraktamathi* **sp. nov.** Two new synonyms are revealed, *Krisna bimaculata* Cai & He, 1998 **syn. nov.**, a junior synonym of *Krisna concava* Li & Wang, 1991 and *Krisna burmanica* Viraktamath, 2006 **syn. nov.**, a junior synonym of *Krisna rufimarginata* Cai & He, 1998. A key is proposed to ten Chinese species. Detailed morphological descriptions and illustrations of eight species are given and a checklist of all known species of the genus is also provided.

Key words: Leafhopper, Iassinae, *Krisna*, morphology, distribution

Introduction

Iassinae is one of the 50 leafhopper subfamilies, and comprises six tribes, including Krisnini. *Krisna*, the type genus of the tribe Krisnini, was established by Kirkaldy (1900), with *Siva strigicollis* Spinola as its type species. Distant (1908) treated three species of the genus *Krisna* from the Indian subcontinent and Baker (1919) dealt with Krisnini from the Indo-Australian region and described eight species. The African species of *Krisna* were dealt with by Linnavuori (1969) and Linnavuori & Quartau (1975), respectively. Linnavuori & Quartau (1975) also removed three species described under *Krisna* from the Afrotropical region to other genera in Selenocephalinae. Two Neotropical species of *Krisna* from Puerto Rico were described by Caldwell (1952) and DeLong (1982), respectively. Dietrich & Vega (1995) described an extinct species of *Krisna* from Dominican amber. In addition, five species of the genus were described from China (Li and Wang, 1991; Cai and He, 1998). Moreover, some species were moved in or out of the genus *Krisna* successively (Metcalf, 1966; Oman et al, 1990). Recently, Viraktamath (2006) revised the genus in the Indian subcontinent, described eight new species and mentioned that the New World species placed under this genus probably do not belong to this genus. The genus *Krisna* is distinguished from related genera by the forewing with accessory crossveins and the head angled or rimmed in front (Viraktamath, 2006).

Eight species including three new species of *Krisna* are recognized in this study. In addition, two new synonyms from China, *Krisna bimaculata* Cai & He, 1998 **syn. nov.**, a junior synonym of *Krisna concava* Li & Wang, 1991 and *Krisna burmanica* Viraktamath, 2006 **syn. nov.**, a junior synonym of *Krisna rufimarginata* Cai & He, 1998 are proposed. This genus now comprises 36 species world wide, of which 12 are recorded from China.