

Research article

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**Two new species of planthoppers from India
(Hemiptera: Auchenorrhyncha: Delphacidae)
in the genera *Parasogata* and *Eoeurysa***

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Abstract. The genus *Parasogata* Zhou, Yang & Chen, 2018 is here reported from India represented by the new species *Parasogata sexpartita* sp. nov. collected in a recent exploration and survey of delphacids from Nagaland in northeastern India. A second species of *Eoeurysa* Muir, 1913 from India, the new species *Eoeurysa sagittaria* sp. nov., was found in Rampur, Una, Himachal Pradesh. Both new species are described with illustrations, and a molecular identification is given with the mtCOI gene sequence. A modified key to species of the genera is also provided.

Keywords. Planthopper, morphology, distribution, identification, taxonomy.

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Introduction

The delphacid fauna of India remains incompletely investigated. Delphacidae Leach, 1815 is the second most speciose family of Fulgoromorpha Evans, 1946 with 2214 extant described species worldwide (after Cixiidae Spinola, 1839, with 2520 species) (Bourgoin 2019). The Indian fauna of Delphacidae includes 52 published species records (Distant 1906; Muir 1921; Joseph 1961, 1964; Mammen & Menon 1972; Sharma & Singh 1980, 1982; Kalode 1983; Asche 1985, 1990; Rao & Chalam 2006; Nimisha 2008; Ramya & Meshram 2019), plus an additional 13 species published in a PhD thesis (Mammen 1971).