



A new species of *Tetralidia* Marques-Costa & Cavichioli (Hemiptera: Cicadellidae: Neocoelidiinae) from Amazon Region

CLAYTON CORREA GONÇALVES¹, ANA PAULA MARQUES-COSTA² & ROSALY ALE-ROCHA¹

¹Coordenação de Pesquisas em Entomologia, Instituto Nacional de Pesquisas da Amazônia - INPA, C. postal 478, 69011-970, Manaus-AM. E-mail: clayton.correa.goncalves@gmail.com; alerocha@inpa.gov.br

²Departamento de Biologia, Universidade Federal de Sergipe, Av. Marechal Rondon, s/n, Jardim Rosa Elze, 49100-000, São Cristóvão-SE, Brasil. E-mail: apmc@ufs.br

Abstract

A new species of *Tetralidia* Marques-Costa & Cavichioli, 2008, *Tetralidia curvipenis* **sp. nov.**, is described and illustrated. The new species can be distinguished from the other species of the genus by the following characteristics: (1) style with apical third moderately curved ventrally; (2) connective Y-shaped; (3) aedeagus S-shaped with apical fifth abruptly curved ventrally and with pair of dorsal preapical spine-like processes, forming “V” in ventral view (4) anal tube with pair of moderately long basiventral processes, with slightly curved and sclerotized apices, reaching posteroventral margin of pygofer. A revised generic diagnosis and an identification key to males of the species are also provided.

Key words: leafhoppers; Neotropical Region; *Tetralidia curvipenis* **sp. nov.**; identification key

Resumo

Uma nova espécie de *Tetralidia* Marques-Costa & Cavichioli, 2008, *Tetralidia curvipenis* **sp. nov.**, é descrita e ilustrada. A nova espécie pode ser distinguida das demais espécies do gênero pelas seguintes características: (1) estilo com terço apical moderadamente curvado ventralmente; (2) conetivo em forma de “Y”; (3) edeago curvo, em forma de “S”, haste com quinto apical abruptamente curvado ventralmente e com um par de processos dorsais pré-apicais espiniformes, formando um “V” (4) tubo anal com par basiventral de processos moderadamente alongados, com ápices levemente curvados e esclerotizados, atingindo a margem póstero-ventral do pigóforo. Adicionalmente, uma ampliação da diagnose do gênero e chave de identificação para machos das espécies são fornecidas.

Palavras-chave: cigarrinhas; Região Neotropical; *Tetralidia curvipenis* **sp. nov.**; chave de identificação

Introduction

Neocoelidiinae comprises 169 valid species in 32 genera (Marques-Costa & Cavichioli 2009 a,b). The subfamily is mainly Neotropical, with only four genera recorded from the Nearctic Region: *Coelella* DeLong, 1953, *Neocoelidia* Gillette & Baker, 1895, *Cocoelidia* DeLong, 1953, and *Neocoelidiana* DeLong, 1953 (Nielson & Knight 2000).

Cocoelidia prolata was described by Chiamolera & Cavichioli (2004), but a phylogenetic analysis based on morphological characters conducted by Marques-Costa (2008), suggested that this species belongs to a new genus. This genus, *Tetralidia* Marques-Costa & Cavichioli (2008), includes *Tetralidia prolata* (Chiamolera & Cavichioli, 2004) from Brazil, and *Tetralidia admirabilis* Marques-Costa & Cavichioli, 2008 from Peru. Here, a new species, *Tetralidia curvipenis* **sp. nov.**, is described from Brazil, the genus is redescribed, and a key to species is provided.