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A new species of the genus *Mygdonia* (Hemiptera: Heteroptera: Coreidae) from Madagascar with a key to species

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Abstract

A new species, *Mygdonia milivoji* sp. nov. (Coreidae: Coreinae: Mictini) from south-west Madagascar is described, illustrated and compared with widely distributed *M. elongata* Distant, 1879. A key to *Mygdonia* species based on females is given and distribution of both Madagascan species is briefly discussed.

Key words: Hemiptera, Heteroptera, Coreidae, *Mygdonia*, new species, description, key, distribution

Introduction

The genus *Mygdonia* (Coreidae: Coreinae: Mictini) included two species: the type species *Mygdonia tuberculosa* (Signoret, 1851), widely distributed in tropical Africa, and *Mygdonia elongata* Distant, 1879, endemic to Madagascar. Brailovsky (2011) redescribed *M. elongata* and summarized the distribution of this species in Madagascar.

In this work we describe a new species, *Mygdonia milivoji*, from south-west Madagascar based on a single female specimen.

Material and methods

The term ‘dorsal ocular index’ refers to the ratio of the minimum width of the vertex to maximum width of the eye; it is easiest to calculate as two times the synthlipsis (S) divided by the width of the head across the eyes (D) minus the synthlipsis: $2S/(D-S)$. Measurements of head and pronotum were taken from strictly dorsal view.

The label data are cited verbatim, using a slash (/) to separate rows on the label; different labels and mentioned and indicated by double slash (//).

For the terminology of thoracic scent efferent system we follow Kment & Vilímová (2010).

Colour photographs were taken with a Nikon E4500 camera. Drawings were made using a SZP 11 ZOOM stereoscopic microscope. Notes of authors are in [brackets].

Mygdonia milivoji sp. nov.

(Figs. 1, 3–8)

Material examined. Holotype, female: SW MADAGASCAR 2013 / ISALO N.P., Analalava for. / Antanambao

Discussion

Mygdonia milivoji **sp. nov.** was collected in Isalo National Park in south-west Madagascar, on the west border of central plateau, which divides the island into different biotopes with specific fauna and flora; this area is covered with sparse, strictly seasonal forests mixed with grassland. While *M. elongata* is widely distributed in rain forests of eastern and northern Madagascar (Fig. 15), no records are known from south-west areas. Hence, it appears as if the two species may have allopatric distributions.

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