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Portelmis guianensis sp. nov. from French Guiana (Coleoptera: Elmidae)

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Abstract

Portelmis guianensis **sp. nov.** is a new member of the *Portelmis gurneyi*–group. It was collected in Sinnamary, northern French Guiana. The species is externally similar to the other members of the genus, but males deviate considerably by the shape of the aedeagus. A detailed description and figures are given to facilitate easy identification of the new species. In addition, we have modified the key to species for males of the *P. gurneyi*–group given in Fernandes *et al.* (2010) by including the new species. The genus *Portelmis* Sanderson, 1935 now contains 5 members.

Key words: Coleoptera, Elmidae, *Portelmis*, new species, French Guiana

Introduction

The genus *Portelmis* comprises four species now known from three Central and South American countries: Costa Rica, Ecuador and Brazil. Two of them were recorded and described quite recently from Brasil by Fernandes *et al.* 2010.

In this paper, we report the genus *Portelmis* for the first time in French Guiana. We also describe and illustrate a new species in this genus whose locality is quite distance from other congeners (Fig. 1). This represents a considerable increase in the known geographic range of this genus. A modified taxonomic key to identify males of *P. gurneyi*–group is presented.

Material and methods

The following abbreviations are used for collections mentioned in the text:

CMP	coll. M. Przewoźny, Poznań, Poland
EMEC	The Essig Museum of Entomology, University of California, Berkeley, USA
INPA	Coleção de Invertebrados, Instituto Nacional de Pesquisas da Amazônia, Amazonas, Brazil

Specimens were dried and glued onto a card and then pinned. Male genitalia and female ovipositor were extracted by a pin, then placed onto a piece of paper tissue and studied in wet condition with an Olympus SZX16 stereomicroscope. Afterwards the genitalia were mounted with wallpaper glue onto the same card as the beetle. The photos of habitus were taken using an Olympus SZ61 stereomicroscope with the Olympus Digital Colour Camera UC 30 and afterwards touched up by application of Helicon Focus and Helicon Filter. The morphological terminology follows Brown (1972) and Kodada & Jäch (2005).

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