



<http://dx.doi.org/10.11646/zootaxa.4027.2.2>

<http://zoobank.org/urn:lsid:zoobank.org:pub:3381D7F2-F548-4A67-B690-8BB94223635D>

## A taxonomic review of the Neotropical genus *Hansreia* Halffter & Martínez, 1977 (Coleoptera: Scarabaeidae, Scarabaeinae)

MARCELY VALOIS<sup>1,3</sup>, FERNANDO Z. VAZ-DE-MELLO<sup>2</sup> & FERNANDO A. B. SILVA<sup>1</sup>

<sup>1</sup>Universidade Federal do Pará, Instituto de Ciências Biológicas, Campus Belém. Rua Augusto Corrêa, 01. Guamá. Belém PA 66075-110, Brazil. E-mail: fernandoabsilva@yahoo.com.br; marceley\_cardosol@hotmail.com\*

<sup>2</sup>Universidade Federal de Mato Grosso, Instituto de Biociências, Departamento de Biologia e Zoologia. Av. Fernando Correa da Costa, 2367. Boa Esperança. Cuiabá MT 78060-900, Brazil. E-mail: vazdemello@gmail.com, CNPq fellow.

<sup>3</sup>Corresponding author

### Abstract

The taxonomy of the genus *Hansreia* Halffter & Martínez is reviewed. The genus consists of six species, including three new species: *H. peugeoti* sp. nov., *H. grossii* sp. nov., *H. krinskii* sp. nov. Lectotypes are designated for *Hansreia affinis* (Fabricius 1801), *H. oxygona* (Perty 1830) [here considered a valid species] and *H. coriacea* (Schmidt 1922). The species status of *H. coriacea* is recognized. A detailed literature review, synonymies, description, illustration of key morphological characters as well as data of the studied material and geographic distribution is provided for each species.

**Key words:** taxonomy, dung beetle, Amazonia, *Hansreia*, Neotropics

### Resumo

A taxonomia do gênero *Hansreia* Halffter & Martínez é revisada. O gênero consiste de seis espécies, incluindo três novas espécies: *H. peugeoti* sp. nov., *H. grossii* sp. nov., *H. krinskii* sp. nov. Lectótipos são designados para *Hansreia affinis* (Fabricius 1801), *H. oxygona* (Perty 1830) [considerada aqui uma espécie válida] e *H. coriacea* (Schmidt 1922). *H. coriacea* tem seu status de espécie reconhecido. Uma revisão detalhada da literatura, sinônimas, descrições, ilustração de caracteres morfológicos chaves, dados do material estudado e a distribuição geográfica são fornecidos para as espécies.

**Palavras chave:** Taxonomia, rola-bosta, Amazônia

### Introduction

*Hansreia* Halffter & Martínez is a small Amazonian genus of dung beetle, distributed across Brazil, Venezuela and Guyana (Halffter & Martínez 1977; Vaz-de-Mello *et al.* 2011). According to Halffter & Martínez (1977), the main diagnostic characters used to distinguish *Hansreia* from others Deltachilini are the pronotum with greenish, reddish or yellowish metallic color; sides explanate; border between anterior and lateral angles with smooth indentation at the half-length of margin, forming a small teeth direct back; lateral angles with teeth more visible ventrally. Elytra brown, opaque, with strong and complete lateral carina.

*Hansreia affinis* (Fabricius 1801), the first species placed in the genus, was originally described in the genus *Ateuchus* Weber. Dejean (1837) placed *Ateuchus affinis* Fabricius in the genus *Coprobium* Latreille, 1829. Castelnau (1840) synonymized *Coprobium* Latreille with *Canthon* Hoffmannsegg, 1817. Harold (1868) synonymized *Canthon oxygonus* Perty, 1830 with *Canthon affinis* (Fabricius). In 1922, Schmidt described *C. affinis* var. *coriaceus*, originally differentiated of *C. affinis* (Fabricius) by the disc of pronotum opaque, completely covered by microtubercles (coriaceous aspect), with thin and short setae distributed homogeneously on its surface (Schmidt 1922). Halffter & Martínez (1977) proposed the genus *Hansreia* to include a single species, *Canthon*