

Revealing the Odonatofauna of Northeastern Brazil: new *Heteragrion* Selys, 1862 (Odonata: Heteragrionidae) species from Bahia state

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Abstract

Heteragrion roquei **sp. nov.** (Brazil, Bahia state, Municipality of Una, Fazenda Araruna, (-15.3146, -39.1621), 40 m, 19.ix.2019, M.E. Rodrigues leg., UESC) is described based on two males recently collected in Bahia state, Brazil. The new species is illustrated, diagnosed and compared with morphologically close congeners, being separated from them mainly by cercus characters, such as the medial portion and both ventrobasal / dorsobasal expansions.

Key words: Damselfly, Neotropical, new species, Bahia state, Atlantic Forest

Resumo

Heteragrion roquei **sp. nov.** (Brasil, Bahia state, Município de Una, Fazenda Araruna, (-15.3146, -39.1621), 40 m, 19.ix.2019, M.E. Rodrigues leg., UESC) é descrita baseada em dois machos coletados no estado da Bahia, Brasil. A nova espécie é ilustrada, diagnosticada e comparada com congêneres morfológicamente próximas, sendo separada destas por caracteres dos cercos, como a porção medial e ambas expansões ventrobasais e dorsobasais.

Palavras-chave: Libélula, Neotropical, nova espécie, Bahia, Mata Atlântica

Introduction

Northeastern Brazil is invariably cited as a region with poor Odonatological knowledge (Machado 1995, 2015; De Marco & Vianna 2005). However, mainly in the past ten years, new Odonata distributional and taxonomic data have been incorporated to the state of that region, consequently unveiling many new records and species including four *Heteragrion* Selys, 1862: *H. aurantiacum* Selys, 1862, *H. cinnamomeum* Selys, 1862, and *H. consors* Hagen in Selys, 1862 (from Bahia state), and *H. lencionii* Vilela, Farias & Santos, 2021 (from Sergipe state) (Machado 2012, 2015; Bastos *et al.* 2019; Santos *et al.* 2020; Ribeiro *et al.* 2021; Koroiva *et al.* 2021; Vilela *et al.* 2021a, b).

Here we describe a new species in *Heteragrion* which is one of the most morphologically complex and specious genera among the Zygoptera with 60 species so far listed in Paulson *et al.* (2022).

Material and methods

Photos of the new species were made using Xiaomi Redmi Note 10 Pro and processed in Photoshop® software. Remaining figures were made at 3600 dpi using an HP Scanjet 4890, and by combining photographs taken at different