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***Sireuma*, a new genus of subterranean millipedes from the Iberian Peninsula (Diplopoda, Chordeumatida, Opisthocheiridae)**

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Abstract

A new genus *Sireuma* is described to accommodate a new species, *S. nobile*, from a cave in Portugal. The unique features of the male gonopods and the absence of a postvulvar organ support the creation of a new genus. The new species is illustrated with scanning electron micrographs and diagrammatic drawings. Differences *vis-à-vis* its relatives are discussed, and information on the environment in which the new species was found is also provided.

Key words: taxonomy, troglobiont, subterranean, Alentejo, Portugal

Resumo

O novo género *Sireuma* é descrito para acomodar a nova espécie *S. nobile*, de uma gruta de Portugal. As características únicas dos gonópodes e a ausência de um órgão pós-vulvar suportam a criação do novo género. A nova espécie é ilustrada com fotografias de microscópio electrónico de varrimento e ilustrações esquemáticas. As diferenças com táxones próximos são discutidos e são fornecidas informações sobre tipo de habitat em que foi encontrada.

Introduction

The order Chordeumatida includes the largest number of families of the class Diplopoda. Its classification has changed considerably over time, and several families are monogeneric (Shear 2012).

The family Opisthocheiridae Ribaut, 1913, distributed from Belgium to Morocco, reaches its highest diversity in the Iberian Peninsula (Mauriès 2012). It is composed of four genera: *Ceratosphys* Ribaut, 1920 (syn. *Fuentea* Brolemann, 1920, *Haplosphys* Ribaut 1920, *Proceratosphys* Mauriès & Vicente, 1977) (25 spp.), *Hispaniosoma* Ribaut, 1913 (1 sp.), *Marquetiella* Jeekel, 1969 (syn. *Marquetia* Ribaut, 1905) (3 spp.), and *Opistocheiron* Ribaut, 1913 (6 spp.) (Mauriès & Geoffroy 1982, Mauriès 1990, Mauriès 2012, 2014).

Subterranean millipede biodiversity from Portugal remains largely neglected (Reboleira & Enghoff in press). Recent studies in subterranean ecosystems from Portugal have contributed to elucidating new patterns of distribution for Iberian subterranean millipedes, and several new species have been recently described (Enghoff & Reboleira 2013a, 2013b, Reboleira & Enghoff 2013). We here describe a new genus and species, placed in the family Opistocheiridae.

Material and methods

Specimens were examined under a binocular microscope. Gonopods and vulvae were dissected and mounted on

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