



Article

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A new *Stenognathriopes* (Collembola, Symphypleona, Bourletiellidae) from Brazilian coast

DOUGLAS ZEPPELINI^{1,2,3} & DIEGO DIAS DA SILVA¹

¹Laboratório de Sistemática de Collembola e Conservação, Depto. Biologia, Centro de Ciências Biológicas e Sociais Aplicadas, Programa de Pós graduação em Ecologia e Conservação (PPGEC), Universidade Estadual da Paraíba Campus V, João Pessoa, PB. E-mail: zeppelini@daad-alumni.de; zeppelini@pq.cnpq.br

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³Corresponding author

Abstract

The new species *Stenognathriopes* (*Tenentiella*) *janssensi* **sp. nov.** (Collembola, Bourletiellidae) is described from coastal vegetation. This is the second species named to the subgenus *Tenentiella* and can be diagnosed by presenting nine subsegments on Ant IV, large conical tenent hair and tibiotarsal setae coarsely dented. The new species significantly extends the distribution of the genus and subgenus southward from Mexico to Northeastern Brazil. A comparative table is provided to the species of the genus *Stenognathriopes*.

Key words: Taxonomy, *Tenentiella*, Littoral Collembola, globular springtails

Resumo

A nova espécie *Stenognathriopes* (*Tenentiella*) *janssensi* **sp. nov.** (Collembola, Bourletiellidae) é descrita oriunda de vegetação costeira. Esta é a segunda espécie descrita pertencente ao subgênero *Tenentiella* e pode ser diagnosticada pela presença de nove subsegmentos no Ant IV, Tenent-hair grande e cônico e cerdas fortemente serradas no tibiotarso. A nova espécie estende significativamente a distribuição conhecida do gênero e subgênero para o sul, do México ao nordeste Brasileiro. Apresenta-se uma tabela comparativa entre as espécies do gênero *Stenognathriopes*.

Introduction

The genus *Stenognathriopes* is characterized by having elongated maxillae and mandibles, long apical filament on unguiculi and 3,3,2 large, thick capitate tenent hairs on claws of legs I, II and III respectively (Betsch & Lasebikan 1979). Betsch and Lasebikan (1979) proposed the genus *Stenognathriopes* to differentiate four species described in *Rastriopes* that have elongate and narrow mandibles and numerous dentate tibiotarsal spines, some of which strongly serrated, from those species with normal mandibles and 5–6 mostly flattened and smooth spines on rastral organ, normally observed in the genus *Rastriopes* (Betsch 1980, Delamare & Massoud 1964, Denis 1948).

In 1997 a subgenus was proposed to accommodate a species from Mexico, *Stenognathriopes* (*Tenentiella*) *siankaana* Palacios-Vargas & Vazquez, 1997, characterized by a large lamellar tenent hair on each leg, different from that seen in *Stenognathriopes*. Betsch and Lasebikan's (1979) figures 1G–I show blunt thick capitate tenent hairs, contrasting with the flat and lamellar structure figured by Palacios-Vargas and Vazquez (1997) for the subgenus *Tenentiella*. The presence of four oval organs on each tibia, two oval organs on each side of head, tibiotarsal spines weakly serrated, foot complexes structure and number of setae on the corpus of tenaculum also differentiate the subgenus *Tenentiella* from the type subgenus.