



Two new Isotomidae species (Collembola) from Espírito Santo State, Brazil

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Abstract

Two new Isotomidae species *Cryptopygus tingus* sp. nov. and *Paracerura pindorama* sp. nov. are described and illustrated, based on litter samplings made in the year 2008 in the Atlantic Forest of the Sooretama Biological Reserve, in the Espírito Santo State.

Key words: *Cryptopygus*, *Paracerura*, taxonomy, chaetotaxy, Neotropic

Introduction

As part of the study of the collembolan fauna of southeastern Brazil, a few samplings of forest litter were made in 2008, in the northern part of Espírito Santo State, at Sooretama Biological Reserve (ICMBio), one of the largest remnants of the Brazilian Atlantic Rain Forest.

From the southern part of Espírito Santo isotomid as *Folsomia wellingdae* Potapov & Culik, 2002 was described and *Folsomides centralis* (Denis, 1931), *Folsomina onychiurina* Denis, 1931, *Isotomurus palustris* (Müller, 1776), *Ballistura fitchi* (Denis, 1933) and *Isotomiella minor* (Schäffer, 1896) (in Arlé 1939) were recorded. In the northern region samplings collected by Culik *et al.* (2006) in Papaya orchards (municipality of Sooretama), revealed the following Isotomidae species: *Ballistura fitchi* (Denis, 1933), *Folsomina* cf. *onychiurina* Denis, 1931, *Folsomides* cf. *centralis* (Denis, 1931), *Folsomides parvulus* Stach, 1922, *Isotomiella symetrimucronata* (Najt & Thibaud, 1987) and *Proisotoma tenella* (Reuter, 1895).

Nevertheless, no records or descriptions of Isotomidae species from the mentioned Sooretama Biological Reserve were presented. Among the many undescribed species, two of them, *Cryptopygus tingus* sp. nov. and *Paracerura pindorama* sp. nov., are described and illustrated in the study.

Abbreviations. MNRJ—Museu Nacional do Rio de Janeiro, Brasil; ant. I–IV—antennal segments I–IV; s—sensillum/a; ms—microsensillum/a; accp—sensillum/a situated near or within p-row of setae; al—anterolateral sensillum/a; man—manubrium.

Species description

Cryptopygus tingus sp. nov.

Figs 1–13, Tab. 1

Type material. Holotype female. Brazil, Espírito Santo State, Sooretama municipality, Sooretama Biological Reserve (ICMBio), forest litter of the Atlantic Forest, about 200 m above the sea level and 40 km from the coast line. Local coordinates: 19°3'8.53"S, 40°8'56.12"W, 25.iv.2008, collection number CM 1958, Gabriel C.