



New Brazilian species of *Furculanurida* Massoud, 1967 (Collembola: Neanuridae)

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Abstract

Furculanurida tropicalia **sp. nov.**, is described from leaf litter of the Atlantic forest of Southeast Brazil. It is characterized as being the first species of the genus that possess 8+8 eyes. New diagnosis and remarks on the genus and the species of *Furculanurida* are made. The species *Stachorutes arlei* is transferred once more from *Furculanurida* to *Stachorutes*.

Key words: taxonomy, chaetotaxy, Pseudachorutinae, Neotropic

Introduction

The genus *Furculanurida* was created by Massoud (1967) and has, up to date, 13 nominal species distributed in the Neotropical, Ethiopian and the Nearctic regions, each with seven, five and one described species, respectively. Among the seven species from the Neotropics, three were described from Brazil: *F. belemensis* Arlé & Rufino, 1976, *F. goeldiana* Arlé & Rufino, 1976 and *F. nessimiani* Fernandes & Mendonça, 2002. The first two species, described from the Brazilian Amazon Forest, Pará State, and the third from the Atlantic Forest leaf litter of Serra do Mar, São Paulo State. The new species, *F. tropicalia* **sp. nov.**, was found in leaf litter of the Table-1 and Atlantic Forest of Espírito Santo State and is the first species of the genus that have 8+8 eyes.

Abbreviations. Abd—abdominal segment, Ant—antennal segment, Cx—coxa, Fe—femur, PAO—postantennal organ, Scx—subcoxa, Tita—tibiotalus, Th—thoracic segment, Tr—trochanter, VT—ventral tube, ICMBio—Instituto Chico Mendes da Biodiversidade, MNRJ—Museu Nacional do Rio de Janeiro, ES—Espírito Santo State, PA—Pará State, SP—São Paulo State, NC—North Carolina State.

Diagnosis of the genus *Furculanurida*

Habitus of type 2 (after Massoud, 1967). Length 0.6–1.4 mm. Body with blue-gray pigment or without pigment. Ant IV with trilobed apical bulb; dorsolateral microsensillum present or absent; 6–7 sensilla and long ordinary chaetae. PAO circular or elliptical with 4–22 vesicles. Eyes from zero to eight per side. Mandible with 2–10 teeth. Maxilla styliform with two fused lamellae. Tenent hair on tibiotalus acuminate. Ventral tube with 3–4 chaetae on each side. Tenaculum with 2–3 teeth on each ramus. Furcula complete, with well developed dens and mucro. Dens with 5–6 chaetae on each side. Mucro separated from dens and with two lamellae tapering. Sensilla on body always long.