

New species and records of *Arrenurus* from the Paraná river, Argentina (Acari: Parasitengona: Arrenuridae)

ROSSO de FERRADÁS, BEATRIZ

Facultad de Ciencias Exactas, Físicas y Naturales; Universidad Nacional de Córdoba; Av.V.Sarsfield 299, 5000 Córdoba, ARGENTINA. CONICET.

Abstract

Arrenuridae inhabiting the Paraná river basin show great diversity relative to that of this family in Argentina and other Neotropical regions, with 38 species (35 studied by the author). In this new contribution *Arrenurus mocovi* n.sp. is described and *A. (Arrenurus) trichophorus* Daday is recorded for the first time. The female of this latter species is redescribed and data for the males are added, as well as the geographic distribution of the species. For *Arrenurus imperator imperator* Lundblad, a Brazilian species, morphometric characteristics are given. The recently created subgenus *A. (Brevicaudaturus)* is analyzed, within which the last species plus three other neotropical taxa are placed.

Key words: Water mites, Arrenuridae, systematics, Paraná river basin, Argentina

Introduction

Previous studies have reported the occurrence in Argentina of five subgenera and 38 species of the genus *Arrenurus* Dugès, and have discussed their respective geographic distributions (Rosso de Ferradás, 1984; 1987; 2000; Rosso de Ferradás & Fernández, 2005). Most of these species are associated with the Paraná basin, except for those of the subgenus *Truncaturus* (Rosso de Ferradás, 1998).

In the present contribution, the study of species of this group is continued. I describe *Arrenurus mocovi* n.sp., and present a new record for the water mite fauna in Argentina, *Arrenurus (Arrenurus) trichophorus* Daday. I expand the description of *A. trichophorus* with new morphometric data (compared with material from the Lundblad Collection from Sweden) and discuss its geographic distribution. Some additional morphological characteristics of *Arrenurus (Brevicaudaturus) imperator imperator* Lundblad from Brazil are provided based on study of the type material.