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New taxa and new records of oribatid mites of the family Galumnidae (Acari: Oribatida) from Ecuador

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Abstract

The new genus *Neoctenogalumna* **gen. nov.** with *Ctenogalumna moresonensis* Engelbrecht, 1972 as a type species and the new subgenus *Neoctenogalumna* (*Paractenogalumna*) **subgen. nov.** with *Neoctenogalumna* (*Paractenogalumna*) *longiciliata* **sp. nov.** as a type species are proposed. Four new species *Allogalumna ampla* **sp. nov.**, *Galumna miniporosa* **sp. nov.**, *Pergalumna ornamenta* **sp. nov.** and *Neoctenogalumna* (*Paractenogalumna*) *longiciliata* **sp. nov.** are described from Ecuadorian soils. *Neoctenogalumna moresonensis* (Engelbrecht, 1972) **comb. nov.** and *N. congoensis* (Starý, 2005) **comb. nov.** are transferred in the genus *Neoctenogalumna* **gen. nov.** from *Ctenogalumna*. An identification key to known species of *Neoctenogalumna* **gen. nov.** is provided. An annotated checklist of identified Ecuadorian Galumnidae is presented. Four species *Allogalumna borhidii* Balogh & Mahunka, 1979, *A. cubana* Balogh & Mahunka, 1979, *Pergalumna australis* Pérez-Íñigo & Baggio, 1980, *Galumna laselvae* Balogh, 1997—are recorded for the first time from Ecuador. One genus and one species *Trichogalumna* Balogh, 1960 and *Trichogalumna nipponica* (Aoki, 1966) are recorded for the first time from the Neotropical region.

Key words: Oribatida, Galumnidae, new species, *Allogalumna*, *Galumna*, *Pergalumna*, *Neoctenogalumna* **gen. nov.**, *Neoctenogalumna* (*Paractenogalumna*) **subgen. nov.**, key, Ecuador

Introduction

The present study is based on oribatid mite material collected by Dorothee Sandmann and Franca Marian in 2008–2010 in Ecuador. This paper is part of our continuing studies on the oribatid mite fauna of the Ecuadorian Andes (Ermilov et al. 2013a–c), and includes data on the family Galumnidae. An annotated checklist of identified taxa is presented. At present, Ecuadorian galumnids are poorly known (see Balogh 1988; Schatz 1998; Illig et al. 2007; Ermilov & Kalúz 2012).

In the course of taxonomic identification of galumnid material, we found the new genus and subgenus, and four new species: *Neoctenogalumna* (*Paractenogalumna*) **gen. et subgen. nov.**, and *Neoctenogalumna* (*Paractenogalumna*) *longiciliata* **sp. nov.**, *Allogalumna ampla* **sp. nov.**, *Galumna miniporosa* **sp. nov.** and *Pergalumna ornamenta* **sp. nov.** Below, diagnoses of the genera and subgenera including the new species are given. These account for the most important characters used in identification of genus and subgenera of the family Galumnidae.

Diagnosis of the *Neoctenogalumna* **gen. nov.** is given in the taxonomical section, the genus includes three species. An identification key to all known species of this genus is provided below. *Neoctenogalumna* (*Neoctenogalumna*) **subgen. nov.** comprises two species, which are distributed in the Ethiopian region. *Neoctenogalumna* (*Paractenogalumna*) **subgen. nov.** is herein recorded from the Neotropical region. Data substantiating the status of the new genus and subgenus and identification key to all known species of *Neoctenogalumna* **gen. nov.** are presented below.