

Oribatid mites of the superfamily Oppioidea from Ecuador (Acari: Oribatida)

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Abstract

An annotated checklist of identified Ecuadorian Oppioidea (10 species of 10 genera of three families) is presented. The genera *Hammerella*, *Taiwanoppia*, subgenera *Hammerella* (*Woasella*), *Taiwanoppia* (*Paragloboppia*) and the species *T. (P.) trichotos* (Balogh et Mahunka, 1977) are recorded for the first time in Ecuador. One new species of the family Granuloppiidae — *Hammerella* (*Woasella*) *parasufflata* **sp. nov.** — is described from the upper organic soil layer in a mostly undisturbed rain forest. This species differs from the type species of the subgenus, *H. (W.) sufflata* Franklin et Woas, 1992 from Brazil by the absence of translamella, presence of two prodorsal tubercles, localization of notogastral (*la*, *lm*) and aggenital setae, localization of sensillar branches, morphology of some subcapitular setae and the location of lyrifissures *iad*.

Key words: Oribatida, Oppioidea, *Hammerella* (*Woasella*), new species, new record, Ecuador

Introduction

This paper is part of our continuing studies (Ermilov *et al.* 2013, 2013a–c) on the Ecuadorian oribatid mites (Acari: Oribatida) and includes data on the superfamily Oppioidea. The primary objective of the paper is to present an annotated checklist of the identified taxa. Representatives of oppioids in Ecuador are poorly known; only few species have been registered (see Balogh 1988; Schatz 1998; Illig *et al.* 2007; Ermilov & Kalúz 2012, Ermilov *et al.* 2013a).

In the course of taxonomic identification we found a new species belonging to the genus *Hammerella* Balogh, 1983 (Granuloppiidae), subgenus *Woasella* J. et P. Balogh, 2002. The second objective of our paper is to describe and illustrate this species under the name *Hammerella* (*Woasella*) *parasufflata* **sp. nov.** This genus is recorded for the first time in Ecuador.

Hammerella was proposed by Balogh (1983) with *Brachioppiella gracilis* Hammer, 1977 as the type species. Currently, it comprises five subgenera and 11 species having a tropical and subtropical distribution (Subías 2004, online version 2013). The taxonomic revision of *Hammerella*, the main characters of the genus and subgenera, and a key to all subgenera and species are presented in Ermilov *et al.* (2012).