Contribution to the knowledge of Costa Rican oribatid mite fauna, with supplementary descriptions of *Pergalumna silvatica* and *P. sura* (Acari: Oribatida: Galumnidae)

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Abstract

An annotated checklist of oribatid mites collected from Costa Rica in 2012 is provided. We have registered 10 species in 8 genera and 6 families. *Archegozetes magnus*, *Kokoppia euramosa*, *Neoamerioppia cocuyana*, *Xenillus venezuelanus*, *Lamellobates molecula*, *Trachyoribates glaber*, *Pergalumna silvatica* are recorded for the first time from Costa Rica. Two species of the family Galumnidae, *Pergalumna silvatica* and *P. sura*, are redescribed, on the basis of Costa Rican specimens.

Key words: Oribatida, *Pergalumna*, supplementary description, fauna, record, checklist, Costa Rica.

Introduction


The primary goal of this paper is to present an annotated checklist of oribatid taxa collected by O. Alvarado-Rodríguez and A.P. Retana-Salazar in 2012 (Project «Oribatida Biodiversity from Costa Rica»). Two of the identified species were *Pergalumna silvatica* Hammer, 1961 (see Hammer 1961) and *P. sura* P. Balogh, 1997 (see P. Balogh 1997), of the family Galumnidae, which are distributed in the Neotropical region (Subias 2004, online version 2013). The original descriptions of both species are incomplete (lacking information about the length of morphological structures, leg setation and solenidia, gnathosoma). The secondary goal of this paper is to redescribe and illustrate *P. silvatica* and *P. sura* based on the Costa Rican material.