



Checklist of raphignathoid mites (Acari: Raphignathoidea) of Turkey

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Abstract

The list contains 112 raphignathoid mite species (Acari: Raphignathoidea) in 6 families known from Turkey. It is expected that the number of raphignathoid species in Turkey which inhabit different biotopes and climatic conditions will grow as comprehensive surveys continue. The most diverse family, Stigmaeidae, is represented by 51 species (46%) and the second one, Camerobiidae, is represented by 24 species (21%).

Key words: Acari, Raphignathoidea, checklist, Turkey

Introduction

The Raphignathoidea Kramer belonging to the order Prostigmata comprises 769 species and 57 genera in 11 families, Barbutiidae, Caligonellidae, Camerobiidae, Cryptognathidae, Dasythyreidae, Eupalopsellidae, Homocaligidae, Mecognathidae, Raphignathidae, Stigmaeidae, Xenocaligonellididae (Fan 2005). They are worldwide in distribution, abundant in most of the geographical regions, and are even found in the Antarctic region (Fan & Zhang 2005). The raphignathoid mite fauna of Turkey is still rather poorly known. This paper reports a list of 112 (110 nominal) raphignathoid mite species from 19 genera in 6 families, Caligonellidae, Camerobiidae, Cryptognathidae, Eupalopsellidae, Raphignathidae, Stigmaeidae, known from Turkey.

This checklist, including distribution records and habitats in Turkey, was compiled from literature dealing with the Turkish raphignathoid fauna. Species from unpublished theses were not included here.

Taxonomy

Order PROSTIGMATA

Suborder ELEUTHERENGONA

Superfamily RAPHIGNATHOIDEA

Family CALIGONELLIDAE

Genus *Caligonella* Berlese

Caligonella Berlese, 1910: 203. Type species: *Stigmaeus humilis* Koch, 1838.