

Raphignathoid mites (Acari: Raphignathoidea) of the Cape Martyan Nature Reserve, Crimea

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Abstract

The fauna of raphignathoid mites (Acari: Raphignathoidea) of the Cape Martyan Nature Reserve, Crimea is reviewed. Totally 21 species from 6 families are recorded. The genera *Camerobia* Southcott, 1957, *Caligonella* Berlese, 1910, *Neognathus* Willmann, 1952 and 5 species: *Camerobia pistaciae* Bolland, 1986 (Camerobiidae), *Caligonella humilis* (Koch, 1838), *Neognathus terrestris* Summers and Schlinger, 1955 (Caligonellidae), *Raphignathus ueckermanni* Koç and Kara, 2005 and *R. hecmatanaensis* Khanjani and Ueckermann, 2003 (Raphignathidae) are recorded from Crimea for the first time.

Key words: acarofauna, Raphignathoidea, new records, Cape Martyan, Crimean peninsula

Introduction

The acarofauna of the Cape Martyan Nature Reserve is currently under intensive study. Khaustov *et al.* (2010) listed 112 species of acariform and parasitiform mites described or recorded from the Cape Martyan. During last three years the number of mite species from this Nature Reserve increased up to 232 species. The best studied groups of mites at the Nature Reserve are Oribatei (Ermilov *et al.*, 2012), Heterostigmatina (Khaustov 2006, 2009a, 2009b, 2009c, 2010, Khaustov & Maslov 2013) and the bdelloid family Cunaxidae (Sergeyenko 2002, 2006, 2009, 2011a, 2011b, Sergeyenko & Deyneka 2004). In spite of numerous publications on raphignathoid (Acari: Raphignathoidea) mites of Crimea (Kuznetsov 1976, 1977, 1978a, 1978b, 1984, Kuznetsov & Livshits 1974, 1978, 1979, Wainstein & Kuznetsov 1978), only two species *Prostigmaeus tauricus* Kuznetsov, 1984 and *Stigmaeus maraghehiensis* Bagheri and Ueckermann, 2012 (Stigmaeidae) was described and recorded from this Reserve (Khaustov 2014; Kuznetsov 1984). During our study of raphignathoid mites of the Cape Martyan Nature Reserve, 20 more species were recorded. Three genera *Camerobia* Southcott, 1957, *Caligonella* Berlese, 1910 and *Neognathus* Willmann, 1952, and 5 species: *Camerobia pistaciae* Bolland, 1986 (Camerobiidae), *Caligonella humilis* (Koch, 1838), *Neognathus terrestris* Summers and Schlinger, 1955 (Caligonellidae), *Raphignathus ueckermanni* Koç and Kara, 2005 and *R. hecmatanaensis* Khanjani and Ueckermann, 2003 (Raphignathidae) are recorded from Crimea for the first time.

The aim of this paper is to provide new records of raphignathoid mites from the Cape Martyan Nature Reserve, Crimea.