

A review of the Uropodina mite fauna (Acaria: Mesostigmata) of Iran and description of two new species

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Abstract. Two new species of Uropodina mites, *Oplitis iranicus* n. sp. and *Neodiscopoma persica* n. sp., are described from Iran. To date, 21 species of Uropodina mites have been recorded from Iran.

Key words. Uropodina, fauna, new species, Iran.

Introduction

The Uropodina mites of Iran are poorly known. So far, 21 species from two superfamilies (Polyaspidioidea and Uropodoidea) have been recorded from the country. KAMALI et al. (2001) have listed 1040 species of mites from Iran, including 11 species of Uropodina. KAZEMI et al. (2001, 2003, 2006) found 11 species in the Tehran region. Single records of other species are given in JALAEIAN & BREITEGGER (2002), AHADIYAT et al. (2004), JALAEIAN et al. (2004), MUSAVI et al. (2004), and BAHARLOU (2005).

The specimens reported here are on slide mounts and have been deposited in the Acarology collection, Department of Entomology, College of Agriculture, Tarbiat Modares University, Tehran. The specimens were studied using standard methods. The drawings were made with a camera lucida. Measurements are given in micrometres (μm).

Descriptions of new species

Oplitis iranicus n. sp. (Fig. 1)

Material: Holotype. ♀, Iran, in farm of Abarkooch (Yazd province), from soil and litter, collected by M. A. AKRAMI in summer 2004. In the Acarology collection, Department of Entomology, College of Agriculture, Tarbiat Modares University, Tehran, Iran. – Paratypes. Four females with the same locality and date as holotype.

Diagnosis: Dorsal shield without any pattern, all dorsal setae setiform. Marginal shield with short, setiform setae. Preanal line and perigenital line present. Genital, ventral and sternal shields without ornamentation. Peritreme M-shaped.

Description: Female. Idiosoma oval, 557 μm long, 291 μm wide (n=1). Male, deutonymph and protonymph unknown. Dorsal side: Marginal and dorsal shields fused on anterior part of dorsal side. Surface of dorsal shield without ornamentation. All dorsal setae smooth, setiform and 20 μm long. Marginal shields without ornamentation, all marginal setae shorter than dorsal setae, smooth and setiform. Ventral side: Ornamentation of sternal shield lacking. All sternal setae short, smooth and filiform. Ventral setae (3 pairs) longer than sternal setae, smooth and setiform. Ventral shield without ornamentation. Preanal line present. Adanal