



A new genus and species of larval mites (Acari: Prostigmata: Microtrombidiidae) from Iran

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Abstract

Persianthrombium farajii Sedghi, Saboori & Hakimitabar **gen. et sp. nov.** (Acari: Microtrombidiidae) is described and illustrated from larvae ectoparasitic on undetermined *Locusta* (Orthoptera: Acrididae) from Jahrom, Fars Province, Iran. A key to larval genera of Microtrombidiidae with three dorsal scuta is presented.

Key words: *Persianthrombium farajii* **gen. et sp. nov.**, Acrididae, Jahrom city, larva, ectoparasite, Parasitengona

Introduction

Forty six larval genera of the family Microtrombidiidae have been described hitherto (Southcott 1994; Haitlinger 1998, 2001, 2003, 2005; Gabryš 1999; Saboori 2002; Saboori & Pešić 2006; Saboori *et al.* 2005, 2009). The following genera have been reported from Asia: *Bolettitrombium* Saboori, Ueckermann & van Harten, 2007, *Crinitrombium* Southcott, 1994, *Dromeothrombium* Berlese, 1912, *Echinothrombium* Womersley, 1937, *Empitrombium* Southcott, 1994, *Enemothrombium* Berlese, 1910, *Ettmuelleria* Oudemans, 1911, *Holcotrombidium* Womersley, 1945, *Lomboktrombium* Haitlinger, 2005, *Megophthrombium* Mullen & Vercammen-Grandjean, 1978, *Microtrombidium* Haller, 1882, *Milliotrombidium* Shiba, 1976, *Reticulatrombidium* Shiba, 1976, *Shibadania* Southcott, 1994, *Trichotrombidium* Kobulej, 1951, *Willmannella* Feider, 1952 and *Yemenitrombium* Saboori, Ueckermann & van Harten, 2005 (Shiba 1976; Southcott 1994; Zhang & Saboori 1997; Haitlinger 1998, 2001, 2005; Gabryš 1999; Saboori 2002; Saboori *et al.* 2005, 2007, 2009).

In this paper, we describe the larva of *Persianthrombium farajii* Sedghi, Saboori & Hakimitabar **gen. et sp. nov.** from Iran.

Material and methods

The mites were attached to pronotum of three *Locusta* sp. (Orthoptera: Acrididae). They were detached by an entomological pin and preserved in 75% ethanol, cleared in lactophenol solution and mounted on microscopic slides using Faure medium (Walter & Krantz, 2009). Figures were drawn and measurements (given in micrometers) made using a BX-51 phase contrast Olympus microscope equipped with a drawing tube. The terminology and abbreviations are adapted from Mağol (2007) except for the following characters listed here: IL—idiosoma length, IW—idiosoma width, W—scutum width.