

Two interesting water mite species (Acari, Hydrachnidia) from Iran, with a redescription of the female of *Atractides* cf. *arcuatus* Thor, 1914

by Mahdieh Asadi, Vladimir Pesic and Alireza Saboori

Abstract. Two water mite species (Acari: Hydrachnidia) are reported from Iran. The first records from Iran and a redescription of females are given of *Atractides* cf. *arcuatus* Thor, 1914, a little known species. *Torrenticola nana* Di Sabatino & Gerecke, 2003, a water mite species so far known only from Israel, is reported as new for the fauna of Iran.

Kurzfassung. Zwei Arten von Wassermilben (Acari: Hydrachnidia) werden aus dem Iran gemeldet. Es handelt sich um den Erstnachweise für das Land mit einer Redeskription des Weibchens von *Atractides* cf. *arcuatus* Thor, 1914, einer wenig bekannten Art. *Torrenticola nana* Di Sabatino & Gerecke, 2003, eine Wassermilbe, die bisher nur aus Israel bekannt war, ist neu für den Iran.

Key words. *Torrenticola nana*, *Atractides* cf. *arcuatus*, taxonomy, distribution, zoogeography, redescription, Iran, Middle East.

Introduction

This paper deals with two new records of water mites from Iran: *Atractides arcuatus* is documented only from the original description and from a single specimen of a species now placed in synonymy, *A. dubius* (GERECKE, in press), but has been recorded from various parts of eastern Europe. We record it as a new record from Iran and give a description of the species.

At present, five species of the genus *Torrenticola* Piersig are known from Iran (PESIC & ASADI 2002): *Torrenticola (Torrenticola) baueri* Bader & Sepasgozarian, 1987, *T. (Torrenticola) saboorii* Pesic & Asadi, 2002, *T. (Megapalpis) jasmineae* Bader, 1988, *T. (Rusetria) ramini* Bader, 1988, and *T. (Rusetria) wiljae* Bader, 1988. During a survey of the freshwater fauna of the Kerman area, *Torrenticola nana* Di Sabatino & Gerecke, 1993 was found for the first time in the country.

Material and methods

Water mites were collected by hand netting, sorted on the spot from the live material, and conserved in Koenike's fluid. The material is deposited in the Museum of the Natural History of Podgorica (Crna Gora) and the Zoological Museum of the College of Agriculture of Tehran University in Karaj (Iran).

All measurements are given in μm . The following abbreviations are used: Ac-1 = first acetabulum, Vgl = ventroglandularia, I-L-6 = Leg 1, sixth segment, P-1 = palp, first segment, Cx-1 = first coxae, S-1 = proximal seta of I-L-5, S-2 = distal seta of I-L-5, L = length, W = width, H = height, HB = central height.