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A new *Protzia* species and the first description of the female *Atractides* (*Polymegapus*) *persicus* Pešić & Asadi 2010 from Turkey

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In this study, there is a description of a new species, *Protzia longiacetabulata* n.sp., and *P. squamosa* Walter, 1908 representing a new *Protzia* record for the fauna of Turkey. *Protzia longiacetabulata* n.sp. is closest to the *P. halberti* from the *P. rotunda* species group and identified from these species by the number of the leg claws and acetabuli. Furthermore, there is the first description of the female of *Atractides persicus* Pešić & Asadi, 2010, for which there is a description from Iran of the male.

Water mites of the genus *Protzia* Piersig, 1896 have been found in all biogeographic regions except Australia and Antarctica (Cook 1974). So far, 7 species from the genus have been recorded from Turkey: *Protzia beyazoglui* Pešić & Turan, 2006, *P. caucasica* Sokolow, 1937, *P. halberti* (Walter, 1920), *P. invalvaris* Piersig, 1898, *P. knaepleae* Özkan, 1982, *Protzia rotunda* Walter, 1908 and *Protzia vietsi* Özkan, 1982 (Erman *et al.* 2010).

Atractides Koch, 1837 with 27 species known thus far from Turkey (Erman *et al.* 2010; Gülle *et al.* 2010; Esen & Erman 2013; Esen *et al.* 2013) is among the most well-known genera in the poorly-known water mite fauna of Turkey. During a survey of the freshwater fauna of Turkey, among the material examined there were present two *Protzia* species, one of which is a new species, and an *Atractides* species previously not reported from Turkey, *Atractides (Polymegapus) persicus* Pešić & Asadi 2010, for which descriptions of males have recently been provided by Iran.

Descriptions of the two *Protzia* species and the first description of the female of *Atractides (Polymegapus) persicus* are presented below.

Water mites were collected by hand netting and sorted on the spot from other living material. They were then preserved in Koenike's fluid (50% glycerin, 20% acetic acid, 30% distilled water). The specimens were dissected and slide-mounted in Hoyer's medium, then deposited in the Faculty of Fisheries, SDU, Isparta, Turkey.

All measurements are given in micrometres (µm). The following abbreviations are used: SDU = Süleyman Demirel University, Ac = acetabulum, Cx-I-IV = first-fourth coxae, H = height, L = length, W = width, n = number of specimens examined, P-1-5 = palp segment 1-5, I-L-6 = first leg, sixth segment, S-1 = large proximal ventral seta at I-L-5, S-2 = large distal ventral seta at I-L-5, Vgl = ventroglandulare.

Systematics

Family Hydryphantidae Piersig, 1896

Genus *Protzia* Piersig, 1896

Protzia longiacetabulata n. sp.

Studied material. Holotype, female, fast-flowing stream with gravel bottom, Dim Stream, 21.08.2013, 36°35.321' N, 32° 17. 876' E, 60 m a.s.l., Alanya, Antalya Turkey, leg. Y.Ö. Boyacı. Paratypes: 3 females, same data as holotype.

Diagnosis. Cx-I anteriorly projecting, densely covered with 20-21 long pennate setae. Genital field with 12-16 pairs of Ac. Posterior Ac very elongated, with long stalks. Leg claws with 3-4 lateral and 3-4 medial clawlets.

Description. Female (holotype, in parentheses variability of the paratypes given as mean, n=3): Idiosoma L/W 850 (842)/650 (645); Cx-I anteriorly projecting, densely covered with 20-21 (19-23) long pennate setae, Cx-II anterior margin densely covered with 11 (11-12) pennate setae (Fig. 1a). Cx-I+II 300 (296); Cx-III +IV with a few pennate and unbranched setae, 278 (278) (Fig. 1b). Leg claws with 3-4 lateral and 3-4 medial clawlets (Fig. 2a, b, c). Genital field elongated and with 12-15 (13-16) pairs of Ac. Anterior Ac roundish, posterior Ac elongated, L 69 (70), L/W 2.4, tapering,

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