

Cheylostigmaeus pannonicus Willmann (Acariformes, Stigmaeidae): a new mite record for Turkey*

SALİH DOĞAN¹ & QING-HAI FAN²

¹Department of Biology, Faculty of Arts and Sciences, Erzincan Binali Yıldırım University, Erzincan, Turkey;

✉ salihdogan@erzincan.edu.tr; <https://orcid.org/0000-0001-5030-0544>

²Plant Health and Environment Laboratory, Ministry for Primary Industries, Auckland, New Zealand;

✉ QingHai.Fan@mpi.govt.nz; <https://orcid.org/0000-0001-6840-2469>

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Members of the genus *Cheylostigmaeus* Willmann are found in a variety of habitats including soil, grassy soil, litter, moss and lichen (Fan *et al.*, 2016), and are presumed to be free-living predators (Summers & Ehara, 1965; Koç, 2005). Up to now, 35 species of *Cheylostigmaeus* are known in the world (Fan *et al.*, 2016; Doğan & Doğan, 2022); eight of them, *C. californicus* Summers & Ehara, *C. mirabilis* Wood, *C. occultatus* Doğan & Doğan, *C. salinus* Evans, *C. salmani* Koç, *C. tarae* Khanjani, *C. urhani* Dönel & Doğan and *C. variatus* Doğan, Dilkaraoğlu & Fan, are reported from Turkey (Doğan, 2019; Doğan & Doğan, 2022). With this study, an additional member of the genus, viz. *Cheylostigmaeus pannonicus* Willmann is added to the acarofauna of Turkey. Within the scope of the study, six male specimens found in grassy soil from Erzincan province (39°43'22.03"N 39°37'22.03"E, 1149 m, 26 October 2017) were examined and identified as *Cheylostigmaeus pannonicus*. This species was previously known from Austria, China, Germany, Slovakia, Switzerland, Ukraine and USA (Fan *et al.*, 2016; Beron, 2020). This species can be recognized by having three pairs of aggenital setae in both sexes, broad rostral lamellae, each deeply incised to form two cusps (Fig. 1A), and aedeagus bearing bulb in male (Fig. 1B).

Keywords: Acari, fauna, morphology, new record, Turkey

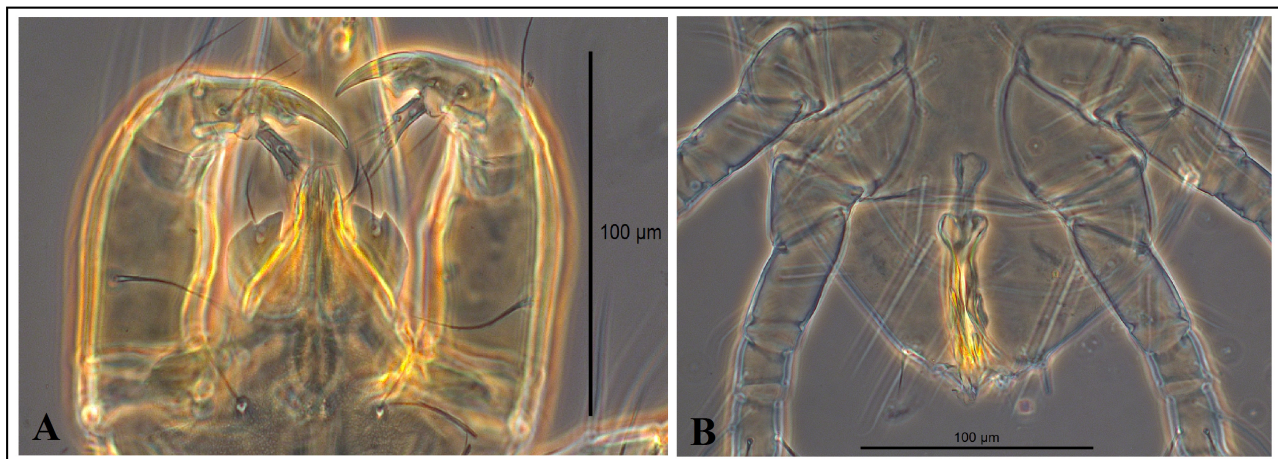


FIGURE 1. Phase-contrast micrographs of *Cheylostigmaeus pannonicus* Willmann (male)—**A.** Subcapitulum, **B.** Ventral hysterosoma.

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