

SOME FREE-LIVING NEMATODES FROM EAST AZARBAIJAN AND GOLESTAN PROVINCES

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Abstract

From the soil samples that were collected and studied for identification of plant parasitic and entomopathogenic nematodes in East Azarbaijan and Golestan provinces during 2005-2007, some free-living and predatory nematodes were also extracted and identified. *Achromadora walkeri* Al-Banna & Gardner, 1993 was recovered from Kaleibar soil samples, *Tripyla affinis* de Man, 1880 from citrus garden in Gorgan, *Tripylina longa* Brzeski & Winiszewska-Slipinska, 1993 from rhizosphere of willow in Maragheh and *Eutobrilus* sp. from rhizosphere of grass plants of Kaleibar. *A. walkeri* is distinguished with having fine transverse striae, rows of fine dots, multispiral amphidial fovea at the level of stoma, two rows of cephalic setae, short rectum and absence of pre-rectum. *T. affinis* is characterized with inconspicuous amphids, short inner labial papillae, slender stoma with a large dorsal tooth and two small sub-ventral denticles anterior to the dorsal tooth. *T. longa* have a large dorsal tooth and two sub-ventral denticles in stomatal chamber, two ventromedian setae in oesophagus region and single gonad in female. *Eutobrilus* sp. is characterized with having funnel shaped amphid, stoma with two overlapping adjacent pockets with two small denticle and echinate supplements in male. The four species are new records for Iran's nematode fauna.

Keywords: *Achromadora*, *Eutobrilus*, Morphology, Taxonomy, *Tripyla*, *Tripylina*.

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