

**The plant nematodes fauna of cultivated
soil from East-Azərbayjan, Ardabil and Moghan**

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ABSTRACT

In a three years nematodes survey program during 1993- 1995, over 270 soil samples were collected from East-Azərbayjan, Ardabil and Moghan areas. The nematodes were extracted from samples by centrifugal floatation technique and fixed in FAA and killed (De Grisse, 1965) and transferred to glycerine according to Seinhorst (1959). The permanent mounts of nematodes were studied thoroughly. Thirty five genera including 53 species were identified, the most important of which are: *Anguina tritici* in wheat; *Cacopaurus pestis* on root of poplar, walnut and pear; *Meloidogynne javanica* on roots of cucumber, tomato, alfalfa, plantago and potato; *Ditylenchus dipsaci* on alfalfa; *D. destructor* on potato; *Hemicycliophora conida* on walnut; *Pratylenchus thornei* on corn, wheat, apricot and apple; *P. neglectus* on potato, in East-Azərbayjan province. *D. destructor* on potato; *D. dipsaci* on alfalfa (stems and buds) in Ardabil province. *M. javanica* on sugarbeet, tomato, cucumber, potato, grapevine, peach and prunus; *P. vulnus* in roots of cherry, plum and walnut in Moghan area. Totally 12 endoparasitic species, 4 predaceous ones, 4 species belonging to (Dorylaimida) Longidoridae Fam., 5 mycophagous and finally 28 endoparasitic nematode species were identified in this investigation.

Two species being new for Iranian fauna; *Aprutides guidettii* and *Seinura linfordi* were also identified. The author is deeply thankful to prof. Dr. Geraert and prof. Dr. Kheiri for their kindly guidance and help in identification.

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