

## SOME SPECIES OF DOLICODORIDAE CHITWOOD IN CHITWOOD & CHITWOOD, 1950 FROM IRAN\*

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### Abstract

In the study of nematode collection of Nematology Laboratory of Tarbiat Modares University, seven species of the family Dolichodoridae belonging to the genera *Merlinius*, *Tylenchorhynchus* and *Quinisulcius* were identified viz, *M. bavaricus*, *M. brevidens*, *M. plerorbus*, *T. divittatus*, *T. goffarti*, *T. latus* and *Q. capitatus*. Among these species, *M. bavaricus*, *M. plerorbus* and *T. divittatus* are new records for nematodes fauna of Iran. *M. bavaricus* is distinguished from other species by cephalic skeleton not refractive and fine striae on head and body, thin stylet with rounded knobs, bilobed spermatheca and tail length unstriated terminus. The female characters of *Merlinius plerorbus* include constricted head, stylet 15-16  $\mu\text{m}$  long, 39-50  $\mu\text{m}$  long tail with 24-32 annules, a smoothly rounded terminus and lobed spermatheca. *T. divittatus* is distinguished from related species by having lateral fields marked by only three incisures, a well set-off lip region bearing six to seven annuls, stylet 17-20  $\mu\text{m}$  long, presence of a post-anal extension of the intestine and phasmids located behind middle of tail.

**Keywords:** Identification, Nematode, *Merlinius*, *Tylenchorhynchus*, *Quinisulcius*.

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