First record of the genus *Discotylenchus* Siddiqi, 1980 (Nematoda: Tylenchidae) from Iran, with description of one new and data on two known species

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**Abstract**

The genus *Discotylenchus* is reported for the first time from Iran. *Discotylenchus iranicus* n. sp. is described and illustrated based on morphological and morphometric characters. The new species is characterized by a combination of the following morphological features: lip region continuous and smooth, tapering to an offset prominent labial disc, lateral field with four incisures, stylet length of 14–15 μm, vulva position at 70.8–76.5 %, tail length of 81–100 μm, conoid with a rounded tip and presence of males. The Iranian population of *D. brevicaudatus* shows a wider morphometric range compared to the original description and the male of this species is described for the first time. The morphological characters and range of morphometric data of *D. discretus* are in full agreement with the original population.

**Key words:** *Discotylenchus iranicus* n. sp., *D. brevicaudatus*, *D. discretus*, first report, Northern Khorasan province, south-western Iran, *Zea mays*.

**Introduction**


**Materials and methods**

Up to 220 soil samples were collected from across the country during 2008–2011. Nematodes were extracted from soil samples using the centrifugal-flotation method (Jenkins, 1964). The collected specimens were killed in hot 4%