

**NEMATICIDAL ACTION OF SOME PLANT EXTRACTS  
AGAINST *MELOIDOGYNE INCOGNITA* AND ISOLATION OF  
NEMATICIDAL FRACTION FROM *PLANTAGO LANCEOLATA***

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**Abstract**

Trials were conducted under laboratory conditions to investigate the nematicidal action of methanol extracts of *Sylibum marianum*, *Plantago lanceolata* and *Cassia fistula* against eggs and second stage juveniles (J<sub>2</sub>) of *Meloidogyne incognita*. Extract of *P. lanceolata* was more active against *M. incognita* than other extracts as it inhibited egg-hatch by 75% and killed juveniles of the nematode within 5 days. Further studies revealed that butanol fraction of *P. lanceolata* were more active than other fractions in preventing egg-hatch and killing juveniles of the nematode. Of the group of compounds isolated from butanol fraction of *P. lanceolata*, the one collected in 5-15% methanol in chloroform exhibited a stronger nematicidal action against *M. incognita* than other fractions. The results of this study may be useful in developing new nematicides of plant origin.