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In vitro evaluation of nematicidal efficacy of the extracts of some botanicals and bioagents on egg hatching and larval mortality of juveniles of *Meloidogyne incognita* Race-1

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ABSTRACT : An *in-vitro* testing was carried out to study the effect of various aqueous extract of certain plant products and bioagents on the egg hatching and mortality of second stage juveniles (J2) of *Meloidogyne incognita.* All the treatments were tested in two alternate concentrations of 5% and 10%. The bioagent, *Paecilomyces lilacinus* strongly inhibited the hatching of eggs of *Meloidogyne incognita.* Latex of *Calotropis procera* and aqueous extract of *Datura metel* @ 10% concentrations was found to possess highest nematicidal efficacy in terms of mortality of J2 of *Meloidogyne incognita*. Higher concentrations of the aqueous extract of *Calotropis procera* and the bioagent *Paecilomyces lilacinus* were at par with *Datura metel.*

Key Words : Botanicals, bioagents, *Meloidogyne incognita,* hatching inhibition, juvenile mortality