

NEMATICIDAL ACTIVITY OF SOME MEDICINAL PLANTS

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Abstract

Crude extracts of ten medicinal plants viz., *Annona squamosa*, *Aegle Marmelos*, *Alstonia Scholaris*, *Aloe vera*, *Carissa caranda*, *Alocasia macrorrhiza*, *Dalbergia sissoo*, *Fagonia indica*, *Schweinfurthia papilionacea* and *Tamarix indica* were tested for nematicidal activity against *Meloidogyne javanica* root knot nematode. Extract of *Aloe vera* (LC₅₀ value 29 µg/ml) and *Dalbergia sissoo* (LC₅₀ value 35 µg/ml) showed highest nematicidal activity. Crude extract and chloroform soluble fraction of *S. papilionacea* were not effective but its hexane fraction showed nematicidal activity, indicating that active compounds are nonpolar in nature.