

Status of plant parasitic nematode problems of Karnataka and their management with special reference to genus *Meloidogyne*

**H. Ravindra¹, Mukesh Sehgal², T.G. Manu¹, R. Murali¹, H.B. Narasimhamurthy¹,
Imran Khan¹ and M. Latha¹**

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ABSTRACT : Almost all agricultural and horticultural crops are grown in Karnataka, which is having variety of soil types and climatic conditions. The existing conditions are highly congenial for many biotic stresses especially for plant parasitic nematodes. Of late, there is an outbreak of many nematode diseases like, Rice root-knot nematode, burrowing nematode of banana, root knot of tobacco, pepper, vegetables and sunflower, Lesion nematode in coffee and cyst nematode of pulses. In general, the diseases caused by the genus *Meloidogyne* are attaining alarming proportions on various crops. Integrated management by adopting cultural methods, soil solarisation, application of organic amendments and bioagents and cultivating resistant varieties are being recommended to the farming community.

Key Words : Nematode problems and management, genus *Meloidogyne*.