

Pak. J. Nematol., 10 (1): 41-49, 1992.

EFFECT OF *MELOIDOGYNE JAVANICA* INFECTION ON CERTAIN METABOLITES OF *LYCOPERSICON ESCULENTUM*

SOALIHA AHMED AND NUSRAT JEHAN

*Department of Botany,
University of Karachi, Karachi-75270, Pakistan.*

Abstract

Infection of *Meloidogyne javanica* on tomato (*Lycopersicon esculentum*) showed an initial increase followed by a decrease in protein content of leaves in infected plants as compared to leaves from healthy plants. Increase in phenolic compounds was observed in leaves of infected plants while RNA and DNA showed a decrease as compared to the control values. Chlorophyll content of leaves from infected plants showed a decrease over control. The results are discussed in relation to the role of natural metabolites in disease resistance