

CHANGES IN BIO-CHEMICAL CONSTITUENTS OF *MELOIDOGYNE* SPP. INFESTED AND *OCIMUM* ROOT-EXTRACT TREATED FRENCH BEAN PLANTS

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ABSTRACT : Effect on biochemical constituent of Juvenile (J_2 s) of *M. incognita* infested and *O. sanctum* root-extract treated french bean plants have been observed. During investigation increase in protein content (35.67%) and reducing sugar (45.87%) and decrease in carbohydrate content (10.43%) was observed in 60 days old french bean plant. Whereas the plant when treated with the root-extract of *Ocimum sanctum* together with J_2 (s) inoculation revealed decrease in protein (16.45-23.87%) and reducing sugar (32.45-43.78%) and increase in carbohydrate (19.76-28.89%) with different concentrations i.e. 10,000-312.5 ppm.

Key Words: *Meloidogyne incognita*, french bean, protein, carbohydrate, reducing sugar.