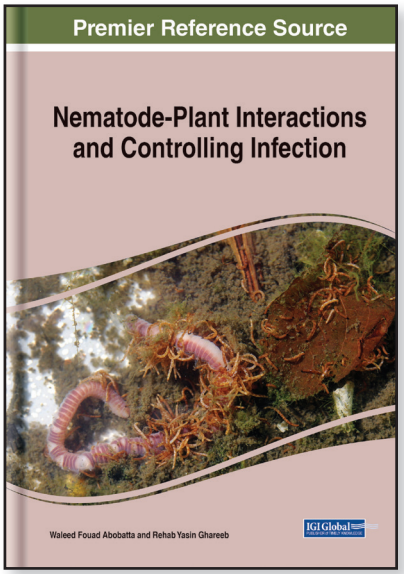
Nematode-Plant Interactions and Controlling Infection



Part of the Advances in Environmental Engineering and Green Technologies Book Series

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Description:

Research on free-living plants and parasitic nematodes in the soil environment, food security, and nematode-plant interactions is increasing in importance. Plant-nematode interactions heavily impact nutrient availability, crop production, and soil health. The scenarios of work with plant and soil nematodes clarify the primary in-vitro and in-vivo techniques with plant-parasitic free-living soil nematodes.

Nematode-Plant Interactions and Controlling Infection illustrates the techniques and recent methodologies as well as the interaction between host and nematodes to achieve nematode invasion in plants. It further investigates the role of the plant in confronting nematodes upon penetration, the challenges that face infected plants to resist nematode invasion, and the risk of transmission of nematodes. Covering topics such as biological control, molecular plant pathology, and organic farming systems, this premier reference source is an essential resource for crop producers, agrochemical professionals, agricultural scientists, botanists, plant breeders, biologists, students and academicians of higher education, librarians, researchers, and academicians.

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Topics Covered:

- Biological Control
- Bionematicides
- Ecology
- Entomopathogenic Nematodes
- Fruit Orchards
- Modern Methods
- Molecular Plant Pathology
- Nematodes
- Organic Farming Systems
- Plant-Parasitic Nematodes

Subject: Environmental, Agricultural, and Physical Sciences

Classification: Edited Reference

Readership Level: Advanced-Academic Level (Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

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