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Titolo	Root-Galling Disease of Vegetable Plants // Faheem Ahmad and Gloria Nombela Blazquez, editors
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ISBN	981-9938-92-9
Edizione	[First edition.]
Descrizione fisica	1 online resource (346 pages)
Disciplina	632.65182
Soggetti	Root-knot nematodes Vegetables - Diseases and pests
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1 -- Root-knot Nematodes ( <i>Meloidogyne</i> spp.), Chapter 2 -- <i>Meloidogyne</i> species: Threat to Vegetable Produce, Chapter 3 -- hemotaxis in Root-Knot Nematodes, Chapter 4 -- Phytohormone-Mediated Feeding Site Development, Chapter 5 -- 5. Current and Future Studies on the Genes for Parasitism in <i>Meloidogyne</i> , Chapter 6 -- Natural Product Repertoire for Suppressing the Immune Response of <i>Meloidogyne</i> species, Chapter 7 -- Epigenetic Mechanisms and their Role in Root Gall Formation, Chapter 8 -- Mass Spectrometry Imaging (MSI) and Root Gall Elucidation, Chapter 9 -- 9. Root-Knot Disease Complex: An Interactive Perspective with Microorganisms, Chapter 10 -- Breeding for Resistance in Vegetables against <i>Meloidogyne</i> species causing Root Gall Disease, Chapter 11 -- An Overview of Predacious Fungi for the Management of Root-knot Disease in Vegetables, Chapter 12 -- Biofertilizer of Organic Origin for Management of Root Galling Disease of Vegetables, Chapter 13 -- Prospects for the Use of Metabolomics Engineering in Exploring and Harnessing Chemical Signalling in Root Galls.
Sommario/riassunto	This book provides the most comprehensive and up-to-date review of research on vegetable plants associated with root-galls disease caused by root-knot nematodes (RKNs), <i>Meloidogyne</i> spp. Vegetables retain a key position in cultural cuisines and their consumption worldwide due to rich sources of micronutrients, including vitamins, minerals and

antioxidants, but root galls disease of these crops caused by RKNs steals both quantity and quality from production. The field of plant nematology has experienced exponential growth over the past decade, and these RKNs are now known as widely damaging obligate plant parasites of vegetable plants. Advances are being made in understanding their biology, parasitism in the root system, giant cell development, root gall formation, chemical signalling, root-knot disease complexes, and management systems. This compilation provides an invaluable resource for studying root-galls disease of vegetable plants to those readers associated with plant nematology, plant pathology, plant protection, and agricultural science, including researchers, teachers, advanced undergraduates and graduate students, and even agricultural extension agents and farmers.

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