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Nota di contenuto	Part 1. Organic Management of Nematodes: Paradigms and Mechanisms -- 1. Biochemical Biopesticides for Phytonematode Sustainable Management: Status and Future Prospects (Thales Lima Rocha; Vera Lucia Perussi Polez; Livia Cristina de Souza Viol; Reinaldo Rodrigues Pimentel, Danielle Biscaia; Jadir Borges Pinheiro) -- 2. Organic Nematicides: A Green Technique and its Overview for the Nematode Disease Management (Faryad Khan, Mohammad Shariq, Mohd Asif, Taruba Ansari, Saba Fatima, Arshad Khan, Mohd Ikram, Mansoor Ahmad Siddiqui) -- 3. Nematode Management Through Compost (Fisayo Yemisi Daramola, Samuel B. Orisajo and Omorefosa Osarenkhoe Osemwegie) -- 4. Biochemical/Molecular Mechanisms Associated with Nematode Management Through Organic Amendments: A critical Review (John Fosu-Nyarko, Rhys G. R. Copeland, Sadia Iqbal, Michael G. K. Jones) -- 5. Organic By-Products in the Suppression of Plant-Parasitic Nematodes (Alixelhe Pacheco Damascena, Marylia Gabriella Silva Costa, Júlio César Antunes Ferreira, Silvia Renata Siciliano Wilcken)

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Sommario/riassunto

The present work covers many aspects of plant nematode management using organic strategies. These range from applications of latest understandings of fundamental concepts/mechanisms of nematode control, to modern tools and techniques used in efficacy evaluation. The Volume also includes some case studies/applied aspects of organic nematode pest management. Chemical and physical control measures used for nematode management have their own implications. Against this backdrop, organic management of plant nematodes appears as a more rational and sustainable approach. However, concise information on the current topic is scarce. This book is a sincere effort to bridge this void as we aim to provide the most updated, critical and in-depth knowledge synthesized by many experts working in the field of plant nematology, worldwide.