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Titolo	Plant Health Under Biotic Stress : Volume 2: Microbial Interactions // edited by Rizwan Ali Ansari, Irshad Mahmood
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Disciplina	631.52 660.6
Soggetti	Plant breeding Oxidative stress Plant diseases Soil science Soil conservation Environmental engineering Biotechnology Agricoltura sostenibile Millorament selectiu de plantes Biotecnologia Plant Breeding/Biotechnology Oxidative Stress Plant Pathology Soil Science & Conservation Environmental Engineering/Biotechnology Llibres electrònics
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Nota di contenuto	Endophytic bacteria: Prospects and applications for the plant disease management -- Helpful linkages of Trichodermas in the Mycoremediation and Mycorestoration -- Biofilmed biofertilizers for sustainable agriculture -- Role of rhizospheric microbes in the management of phytopathogenic problems of medicinal plants --

Microbial mediated plant growth ameliorations and protection from disease -- Plant Growth Promoting Rhizobacteria (PGPR): Modern prospects for sustainable agriculture -- Trichoderma spp.: a potential biocontrol agent: Molecular prospectus and Application -- Changes in plant biomarkers in response to phytonematodes infection -- Potentiality of Plant Growth Promoting Rhizobacteria in plant health ameliorations -- Harnessing endophytes as biocontrol agents -- Bacillus as Plant Growth Promoting Rhizobacteria (PGPR): A Promising Green Agriculture Technology -- Significance of microbial agents in augmentation of plant health -- Plant growth and health promoting plant-microbe interactions .

Sommario/riassunto

The book illustrates the use of putative microbial agents which provide good protection to the plant from biotic pathogens attack. An up to date knowledge on plant-microbiome interaction strategies in terms of improved sustainability has been discussed. Information from experts across the globe on the application of microbes for providing amicable solution in sustainable agriculture has been gathered. In addition, information related to microbes mediated resistance levels leading to enhanced plant health has been well presented. The chapters have emphasised the use of Plant Growth Promoting Rhizobacteria (PGPR) and other potential biocontrol agents/antagonists in the management of plant diseases which provide extensive information to the readers. Literature on microbial root colonization, plant growth promotions, and also on the protection of plants from attack of various soil borne pathogens have been presented in a coherent way. Information on the application of potential strain of the bio-control fungi, endophytes, actinomycetes strengthening the plants ability which rescue the plant from pathogens attack leading to improved plant health has also been underpinned.
