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Nota di contenuto	Chapter 1. Can we define an experimental framework to approach the genetic basis of root colonization? -- Chapter 2. The Vocabulary of Trichoderma-plant interactions -- Chapter 3. Could Trichoderma be a plant pathogen? Successful root colonization -- Chapter 4. Harnessing the perception of Trichoderma signal molecules in rhizosphere to improve soil health and plant health -- Chapter 5. Plant immunity priming and systemic resistance as a mechanism for Trichoderma spp. Biocontrol -- Chapter 6. Systemically induced resistance against maize diseases by Trichoderma app -- Chapter 7. Induced immunity developed by Trichoderma species in plants -- Chapter 8. Host-Pathogen-Trichoderma Interaction -- Chapter 9. Trichoderma–

Fusarium Interactions: A Bio-Control Strategy to Manage Wilt -- Chapter 10. Use of Trichoderma in management of diseases in North American row crops -- Chapter 11. Potential of Trichoderma spp. for Pest management and Plant Growth Promotion in NE India -- Chapter 12. Deployment of Trichoderma for the management of tea diseases -- Chapter 13. Multipartite interaction of Trichoderma harzianum (MTCC 5179) an endophyte and a growth promoter of black pepper (Piper nigrum L.) -- Chapter 14. Trichoderma spp. in consortium and their rhizospheric interactions -- Chapter 15. Trichoderma interactions in vegetables rhizosphere under tropical weather conditions. .

Sommario/riassunto

This book compiles the latest research in the area of Trichoderma Rhizosphere Biology. It covers topics such as microbial interaction, crosstalk between plants and microbes, interactions with abiotic and biotic factors, and advances in biocontrol agents, biofertilizers and biostimulants. The respective chapters describe innovative ways of adapting fungal communities to improve their survival in highly dynamic environments and agroecosystems. In closing, the book discusses the use of Trichoderma as a bio-growth enhancer and biostimulant for organic agriculture. .