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Autore	Siddiqui Yasmeen
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Nota di contenuto	-- Chapter 1: Overview of Hill Agriculture: Challenges, Opportunities, and Sustainability -- Chapter 2: Agronomic Opportunities to Alter Cropping Systems and Soil Health -- Chapter 3: Unravelling the Hidden World Beneath: Exploring Mycorrhizal Diversity and Methods of Identification and Isolation -- Chapter 4: Role of Mycorrhiza and its Application to Crop Production: A Path Ahead for Sustainable Agriculture -- Chapter 5: Mycorrhizal Influence on Vegetable Crops: Enhancing Productivity and Sustainability -- Chapter 6: From Root to Fruit: Mycorrhizal Impact on Fruit Crops -- Chapter 7: Symbiotic Relationships: The Role of Mycorrhizae in Optimizing Flower Crop Productivity -- Chapter 8: Harnessing Mycorrhizal Symbiosis: Exploring its impact on Medicinal Crops -- Chapter 9: Rooting for Growth: Mycorrhizal Impact on Forestry Ecosystems -- Chapter 10: Impact of Mycorrhizal Application on Major Crops such as Cereals, Pulses, and Oilseeds -- Chapter 11: Cultivating Excellence: Mycorrhizal Fungi Quality Management, Production, and Application -- Chapter 12:

Mechanisms of Mycorrhizal Symbiosis and its Impact on Soil Fertility and Crop Nutrition -- Chapter 13:Economic Analysis of Mycorrhizal Applications and their Potential for Enhancing Farm Profitability and Livelihoods -- Chapter 14:Environmental Benefits of Mycorrhizal Symbiosis: Soil Conservation, Biodiversity Conservation, and Climate Change Mitigation -- Chapter 15:Market avenues and the availability of mycorrhizal products for use in agriculture by farmers.

Sommario/riassunto

This book explores harnessing mycorrhiza in hilly agriculture and presents innovative strategies for sustainable cultivation. Exploring the symbiotic relationship between plants and mycorrhizal fungi reveals how this partnership can optimize soil health, enhance nutrient uptake, and increase crop resilience in challenging terrains. From understanding the ecological role of mycorrhiza to practical applications in hilly regions, the book highlights the use of mycorrhiza in hill agriculture, including details on mycorrhizal diversity, its impact on hill crops, and how to maintain and promote mycorrhizal diversity for better sustainability and economic viability. By addressing the unique challenges faced by hillside farmers, it aims to improve agricultural practices, mitigate erosion, and promote long-term environmental sustainability. This book is essential for policymakers seeking sustainable agricultural strategies, researchers exploring beneficial fungi, soil scientists, agronomists, progressive farmers and students pursuing agriculture sciences. .
