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Descrizione fisica	1 online resource (340 pages) : illustrations ; ; digital file (PDF)
Disciplina	579.517852
Soggetti	Vesicular-arbuscular mycorrhizas Mycology, fungi (non-medical) Agricultural science Botany & plant sciences Plant physiology Mycology - Research Plant hormones - Analysis
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Sommario/riassunto	It provides new insights into our understanding of the mechanisms of arbuscular mycorrhizal fungi (AMF)-mediated plant growth regulation and stress tolerance covering the most recent biochemical, physiological, molecular, environmental, and ecological studies. Focusing on AMF-induced physiological and molecular mechanisms of enhanced tolerance to stress, environmental stress is discussed in several dedicated chapters. The book provides not only updated information with new insights and perspectives but also several new topics, such as a comprehensive discussion on biotic stressors, AMF interaction with other microorganisms, non-host plant species, plant secondary metabolism, signaling events in plant-AMF symbiosis, AMF-mediated nutrient acquisition and subsequent stress tolerance. Also

discusses the potential implications of AMF for sustainable crop production in the context of climate change.

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