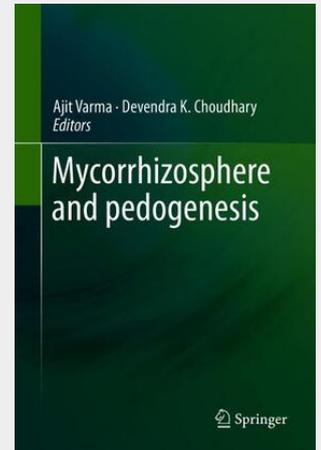


## Mycorrhizosphere and Pedogenesis

The present book highlights importance of mycorrhiza in soil genesis wherein it reflects mycorrhizal occurrence and diversity, various tools to characterize them and its impact on soil formation/health together with crop productivity. The edited compendium provides glimpses on the mycorrhizal fungi and their prominent role in nutrient transfer into host plants, and presenting view on application of mycorrhiza for crop biofortification. It focuses on the mechanisms involve in weathering process employed by mycorrhiza with highlighting the current and advanced molecular approaches for studying mycorrhizal diversity. Further, book emphasizes following aspects in details: significance of AMF in phytoremediation of hydrocarbon contaminated sites, the role of mycorrhiza in soil genesis using scientometric approach, the concept of mycorrhizosphere, xenobiotic metabolism, molecular approaches for detoxifying the organic xenobiotics and the role of mycorrhizosphere in stabilizing the environment in an eco-friendly way. In addition, the book will be benign to researchers that involved in mycorrhiza characterization especially by deploying metagenomics/PCR based and non PCR based molecular techniques that may be utilized to study the microbial diversity and structure within the mycorrhizosphere.

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