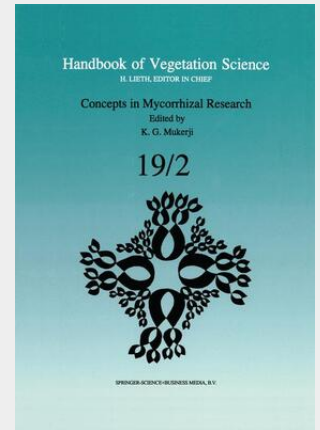


Mukerji

Concepts in Mycorrhizal Research

Mycorrhiza will be the focus of research and study for the coming decade. Successful survival and maintenance of plant cover is mostly dependent on mycorrhization. During the last decade about ten books have appeared on various aspects of mycorrhiza, including two on methodology. The present book has been compiled to give a complete and comprehensive description of the topic to the students and researchers in botany, applied mycology, biotechnology, forestry and agriculture. The book will also be useful to planners dealing with biofertilizers and forestation. Besides topics of academic interest, the volume includes several aspects which are unique and are written about for the first time, e.g.: - Arbuscular Mycorrhizal symbiosis - recognition and specificity; - Mycorrhizal Integration and cellular compatibility between Endomycorrhizal symbionts; - Cost - economics of existing methodology for inoculum production of vesicular-arbuscular mycorrhizal fungi; - Mycorrhiza: Ecological Implications of Plant interactions; - Outplanting performance of mycorrhizal inoculated seedlings; - Fluorescence microscopy in mycorrhiza studies and Ectomycorrhizal fungi as experimental organism. Other aspects not mentioned above include most recent reviews concerning vesicular-arbuscular mycorrhiza and ectomycorrhizae. The different review chapters have been written by world authorities in their respective specialisations giving more up to date information than is provided anywhere else. This book deals with all major aspects of mycorrhiza, giving structure, ultrastructure, ecology and applications in agriculture and forestry.

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