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Nota di contenuto	Chapter 1. Historical Developments in Indian Mycology -- Chapter 2. History of Marine Mycology in India -- Chapter 3. History and Developments of Plant Pathology in India: Fungal aspects -- Chapter 4. Study of Indian Fossil Fungi: An Odyssey -- Chapter 5. Microbial Culture Collections in India: Historical Perspectives and Future Prospects -- Chapter 6. History and Development of Lichen Research in India -- Chapter 7. History and Development of Ectomycorrhizal Research in India -- Chapter 8. History and Development of Arbuscular Mycorrhizal Research in India -- Chapter 9. Developments in Endophytic Fungal Research in India -- Chapter 10. Fungal Endophytes of Mangroves: Diversity, Secondary Metabolites and Enzymes -- Chapter 11. Insect Pathogenic Fungi and their Applications: An Indian Perspective -- Chapter 12. Historical Perspectives of Rusts in India -- Chapter 13. Biocontrol Research in India -- Chapter 14. Fungal Aerobiology and Allergies in India: An Overview -- Chapter 15.

Keratinophilic fungi: Diversity, Environmental and Biotechnological implications -- Chapter 16. Taxonomy and Ecology of Soil Fungi in India: Aspects and Prospects -- Chapter 17. Five decades of Research on the Freshwater Hyphomycetes in India -- Chapter 18. Progress of Mushroom Research in India -- Chapter 19. Developments in Thermophilic Fungal Research -- Chapter 20. Yeast Research in India: A Perspective on Taxonomy and Applications -- Chapter 21. History and Development of Myxomycete Research in India.

Sommario/riassunto

Indian mycologists have extensively studied various groups of fungi such as soil fungi, aquatic fungi, marine fungi, endophytic fungi, fungi associated with man and animals. Though several books on various aspects of fungi are published, this is the first account of the history and developments in mycology in India. It discusses at length various stages of development of mycology including both classical and biotechnological aspects. It begins with a historical account of Indian mycology, followed by a description of research on fossil fungi. Further chapters cover the latest updates on different taxonomic groups of fungi. A dedicated section describes the roles and applications of fungal endophytes. The book also includes research in other important areas such as mushrooms and wood rotting fungi. Different chapters are written by leading mycologists. This book is useful to students, teachers and researchers in botany, microbiology, biotechnology and life sciences, agriculture and industries using fungi to produce various valuable products.