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Nota di contenuto	Chapter 1. Factors affecting biodiversity and conservation of Medicinal plants -- Chapter 2. Assessment of the Medicinal Flora for Treating Skin Disorders in Indonesia -- Chapter 3. Endophytic Fungal Diversity of Medicinal Plants and Their Role During Stress Response -- Chapter 4. Traditional Knowledge Databases of Medicinal Plants -- Chapter 5. Ethnopharmacognosy of Medicinal Plants: Challenges and Biotechnological Advancements -- Chapter 6. Ethnobotanical and Conservational Studies of Medicinal Plants: A Case Study of Dolichandrone falcata (Wall. Ex DC.) Seem. in Western Ghats, India -- Chapter 7. Bridging Cultures and Medicine: Quantitative Insights in Ethanopahrmacology -- Chapter 8. Unveiling Plant Based Healing Wisdom Through Ethnobotany and Medicinal Ethanopharmacology -- Chapter 9. A Current Perspective of Ethnopharmacology in India -- Chapter 10. Global Regulatory Frameworks and Databases of Medicinal

Plants -- Chapter 11. Role of Genome-Based Barcoding in Quality Control and Standardization of Medicinal Plants -- Chapter 12. Future Directions and Emerging Trends in Medicinal Plant DNA Barcoding -- Chapter 13. Conservation of High-Value Medicinal Plants Through Agronomical Approaches -- Chapter 14. Understanding the Interplay: Medicinal Plants and Biotic Stress -- Chapter 15. Metabolomics In Medicinal Plants: Unravelling the Therapeutic Potential of Natural Compounds -- Chapter 16. Exploring the Therapeutic Potential of Secondary Metabolites in Medicinal Plants -- Chapter 17. Integrative Approaches for Enhanced Secondary Metabolite Production -- Chapter 18. Nutraceuticals Derived From Medicinal Plants: A Paediatric Perspective -- Chapter 19. Nutraceutical Formulations From Medicinal Plants: Past, Present and Future -- Chapter 20. Nanobiotechnology for Medicinal Plants: A Comprehensive Review -- Chapter 21. Genetic Enhancement Strategies for Medicinal Plants: Exploring Mutagenesis -- Chapter 22. Evolution and Future Trends in Intellectual Property Rights Related to Medicinal Plants

Chapter 1_Biodiversity of Medicinal Plants -- Chapter 2_Endophytic fungal diversity of medicinal plants -- Chapter 3_Medicinal plants and their ethnopharmacological properties -- Chapter 4_Current perspective of ethnopharmacology in India -- Chapter 5_Ethnobotanical studies on medicinal plants -- Chapter 6_Medical ethnopharmacology and ethnobotany -- Chapter 7_Nutraceutical formulations from medicinal plants -- Chapter 8_Quantitative and comparative approaches in ethnopharmacology -- Chapter 9_Ethnopharmacognosy of medicinal plants -- Chapter 10_Traditional knowledge database of medicinal plants -- Chapter 11_Genome based on barcoding of medicinal plants. -Chapter 12_Medicinal plants and nanotechnology -- Chapter 13_Mutagenesis in medicinal plants -- Chapter 14_Advances in micropropagation of medicinal plants -- Chapter 15_Agronomical approaches for conservation of medicinal plants -- Chapter 16_Genome sequencing of medicinal plants -- Chapter 17_Intellectual property rights related to medicinal plants -- Chapter 18_Biotic stress in Medicinal plants -- Chapter 19_Biotic stress in Medicinal plants -- Chapter 20_Medicinal rice of India.

Sommario/riassunto

The book explores the world of medicinal plants through a groundbreaking and comprehensive book. It delves into high-throughput technologies and multi-omics approaches to unlock the untapped potential of endophytic fungi, revealing novel bioactive compounds. It further talks about the diverse biodiversity and ethnopharmacological knowledge, unravelling the molecular intricacies of secondary metabolites under varying ecological conditions. This gives insights into medicinal plant research, offering cutting-edge insights into genome-based barcoding, nanotechnology, and functional genomics for revolutionary drug discoveries. From proteomic and epigenomic analysis to big data exploration, this book presents a holistic view of medicinal plants' potential and discusses the latest advancements in micropropagation, agronomical approaches, and genome editing, paving the way for transformative medicines and healthcare breakthroughs. It serves as a great resource for academicians, researchers, and pharmacologists.
