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Soggetti	Conservation biology Ecology Biodiversity Epidemiology Freshwater ecology Marine ecology Conservation Biology Ecological Epidemiology Freshwater and Marine Ecology
Lingua di pubblicazione	Inglese
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Nota di contenuto	1. Bio-resources and Diversity -- 2. Plant resources and functional foods -- 3. Insight of Bioresources from Lower Plant Groups- Reconciling the Possibilities and Responsibilities -- 4. Nutraceutical Potential Of Underutilized Wild Edible Fruits Endemic To Western Ghats In Southern India -- 5. Microgreens: A Future Super Food -- 6. Wild Edible Tubers And Rhizomes Of South Western Ghats, India -- 7. Medicinal plants as control for Prevalent and Infectious diseases -- 8. Coral Reef: A Hot Spot Of Marine Biodiversity -- 9. The Seaweed A Gold Mine For Drugs -- 10. Mangroves: An Underutilised Gene Pool To Combat Salinity -- 11. Plant conservation associated with Traditional knowledge: Past and Future -- 12. Conservation of landraces and indigenous breeds: an investment for the future -- 13. Conservation and management of Mangrove ecosystem in diverse perspectives -- 14. Conservation of RET Plants: Strategies and Plans -- 15. An Outlook on Marine Sponges and Associated Biodiversity Addressing

Conservation Strategies -- 16. In vitro Conservation of Rare, Endangered and Threatened Plants -- 17. Macro and micropropagation of plants for income generation -- 18. In vitro Secondary Metabolite Production For Sustainable Utilization Of Endangered Medicinal Plants -- 19. Enhanced Secondary Metabolite Production For Drug Leads -- 20. Modern Ethnobotany And The Development Of Drug Leads -- 21. Computational Approaches For Identifying Therapeutic Potential Of Phytochemicals -- 22. Antimicrobial Drugs: Possibilities From Medicinal Plants Part A - Antibacterials And Antivirals -- 23. Antimicrobial Drugs: Possibilities From Medicinal Plants Part B - Antifungals -- 24. Marine Resources and Sustainable Utilization -- 25. Traditional Knowledge and its Sustainable Utilization.

Sommario/riassunto

This book brings together chapters related to sustainable utilization of biological resources, including in situ and ex situ conservation of rare, endangered, and threatened plants. The title also gives a special emphasis on marine sponges and mangrove ecosystems, which are two important untapped potential resources of the marine ecosystem and play a key role in maintaining the marine ecosystem. There is an urgent need for the conservation, exploration and utilization of bioresources for the growth and survival of human beings. Due to the significant reduction in biological resources, many countries are developing strategic action plans for the conservation and sustainable use of biological resources. That is where this book fills the gap by discussing the significant development of new products and methodologies for sustainable utilization of these resources. This book also unveils a world of novel bioactive molecules from medicinal plants and the marine ecosystem and explains how drug design pipelines can advance modern drug development. The target audiences for this book include biodiversity researchers who are working on technology and bioresource management issues and faculty and students in the environment research areas and Biodiversity conservation.