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Altri autori (Persone)	AhirwarRamesh Kumar YadavDeepanker KumarD. Guru
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Nota di contenuto	Chapter 1. History and Culture of Traditional and Ethnomedicinal Plants -- Chapter 2. Some Potential Traditional Ethnomedicinal plants among the tribals of India -- Chapter 3. Traditional Phytotherapy among the various tribal peoples of India -- Chapter 4. Traditional Phytotherapy Practices Among Diverse Tribal Communities in India -- Chapter 5. Traditional ethnomedicinal plants: A focus on the tribals of Mizoram, India. Chapter 6. Traditional ethnomedicinal plants: A rich source of bioactive molecules used in drug discovery and development -- Chapter 7. Traditional Ethnomedicinal Plants: Unveiling Rich Reservoirs of Bioactive Molecules for Drug Discovery and Development -- Chapter

8. Bioactivities, Pharmacological Properties, and Ethnomedicinal Uses of Juniper Berries (Genus Juniperus) -- Chapter 9. Ocimum basilicum (Basil): A Medicinal Plant with Proven Ethnomedicinal Uses, Chemical Composition, Bioactivities and Pharmacological Properties -- Chapter 10. Natural plant products and their bioactive constituents in the treatment of obesity -- Chapter 11. Drug discovery from ethnomedicinal plants in the genomics era -- Chapter 12. Genomics evolution of ethnomedicinal plants in changing environment -- Chapter 13. Metabolic profiling technologies for biomarker discovery in ethnomedicinal plants for drug development -- Chapter 14. Exploring Genomic Approaches in Drug Discovery from Ethnomedicinal Plants -- Chapter 15. Emerging roles of non-coding RNA for biosynthesis of secondary metabolites in ethnomedicinal plants -- Chapter 16. RNA sequencing approach for genome-wide transcriptome profiling in ethnomedicinal plants. Chapter 17. Pluripotent stem cells in ethnomedicinal plant drug discovery -- Chapter 18. Exploration of ethnomedicinal plants for drug discovery in high-throughput omics era -- Chapter 19. Unlocking Ethno-Medicinal Plant Potentials: Advancing Drug Discovery in the High-Throughput Omics Era -- Chapter 20. Genome editing techniques for the augmentation of ethnomedicinal Plants -- Chapter 21. Drug discovery and development from ethnomedicinal plants in the artificial intelligence era -- Chapter 22. Ethnomedicinal Plant Database for Drug Discovery-A New Era -- Chapter 23. Network-based drug discovery from ethnomedicinal plants -- Chapter 24. Evidence-based ethnomedicinal plants for clinical practice -- Chapter 25. Advancement of analytical techniques in some ethnomedicinal plants: Current and future perspectives.

Sommario/riassunto

This book explains the translational aspects of ethnomedicinal plants of different geographical regions including India by explaining the medicinal properties against several diseases, genomic evolution in changing environments, metabolic profiling for biomarker discovery, the role of non-coding RNA in the synthesis of secondary metabolites, genome-wide transcriptome profiling, application of pluripotent stem cells for drug discovery, the importance of high-throughput omics, and genome-editing techniques. In addition, some of the chapters have been designed to describe the role of artificial intelligence, plant database, and network-based drug discovery to explore the medicinal importance of compounds as well as challenges and opportunities in drug discovery from ethnomedicinal plants. The book serves as a great source of information for the students, researchers/scientists of diverse fields such as pharmacognosy, plant physiologists, biotechnologists, and pharmaceutical scientists etc., working in the areas of phytotherapy from ethnomedicinal plants.