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Nota di contenuto	Part I. Forest Degradation: Assessment -- Chapter 1. Forest Degradation: Assessment -- Chapter 2. Degradation of Forests in India: Causes and Restoration Efforts -- Chapter 3. Drivers of Deforestation and Forest Degradation in India -- Chapter 4. Carbon Footprints of Indian Forest Degradation and Deforestation -- Chapter 5. Assessment of Forest Degradation: A Comparative Analysis of Modern and Classical Tools and its Implication for Management -- Part II. Forest Degradation: Impact on Ecosystems -- Chapter 6. Forest Degradation and Ecosystem Functioning -- Chapter 7. Forest Degradation: Loss of Biodiversity and Ecosystem Services -- Chapter 8. Soil Degradation and

Forest Health -- Chapter 9. Forest Degradation through Invasive and Exotic Flora in India -- Chapter 10. Effects of Forest Degradation on Herpetofauna in the Western Ghats Biodiversity Hotspot, India -- Chapter 11. Impact of Forest Degradation on Forest Regeneration -- Chapter 12. Forest Degradation and its Impact on Soil Carbon -- Chapter 13. Forest Weeds: Ecosystem Health Issues and Management -- Part III. Forest Degradation: A Societal Perspective -- Chapter 14. Impact of Forest Degradation on Livelihood of Forest Dependent Communities -- Chapter 15. Forest Fires and Forest Degradations: Approaches on Mitigation -- Chapter 16. Sustainable Forest Resource Utilization to Address Forest Degradation, Deforestation, and Improve Socio-Ecological Resilience -- Chapter 17. A Scientific Overview of COVID-19's Influence on Forest Ecosystems and Communities -- Chapter 18. Effect of Eco-Tourism on Forest Degradation -- Chapter 19. Indian Population, Forest Degradation and its Management -- Chapter 20. Land Degradation and Soil Health Nexus in the Indian Himalayan Region -- Part IV. Managing Forest Degradation -- Chapter 21. Forest Degradation Its Impact and Conservation Efforts in India -- Chapter 22. Role of Protected Areas and Joint Forest Management in Managing Forest Degradation -- Chapter 23. Need for Implementation and Monitoring of Forest Governance, Laws and Policies in Managing Forest Degradation in India -- Chapter 24. Forest Rights and Common Property Resources: Strategic Paradigm Shift for Participatory Management for Forest Degradation -- Chapter 25. Deadwood Dynamics: Adaptive Ecology in Forest Landscapes.

Sommario/riassunto

Forest Degradation and Management - An Indian Perspective provides an overview of the dynamics and challenges surrounding forest degradation in India. It reveals the harmful impacts of human activity on natural resources, ecosystems, and communities, and emphasizes the urgent need for sustainable forest management practices. The book is divided into four parts, each offering a different perspective on forest degradation. Part I presents an overview of forest degradation in India, including a comparative analysis of assessment tools. Part II explores the ecological impacts of forest degradation on ecosystems. Part III is dedicated to societal aspects, examining the consequences of human activity such as cultivation, eco-tourism, resource utilization, and deforestation, while also analyzing the impact of forest degradation on forest-dependent communities. Part IV focuses on mitigation strategies, highlighting the role of protected areas, governance, policies, and participatory approaches. This volume within the book series Forestry Sciences is an invaluable resource for students, researchers, policymakers, and conservationists seeking to tackle the complex challenges of forest degradation. It provides knowledge and practical insights to inform decision-making processes, guide sustainable forest management strategies, and promote responsible land use practices.
