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Nota di contenuto	-- Chapter 1_Sustainable Land Management: Opportunities and Challenges. -- Chapter 2_Land Degradation and Desertification: Causes, Mechanism, and Biological Management. -- Chapter 3_Land Degradation and Floristic Diversity: An Interplay of Environmental Dynamics. -- Chapter 4_Forest Fire-Induced Land Degradation. -- Chapter 5_India's policy efforts to combat desertification, land degradation, and drought. -- Chapter 6_Promotion of Multipurpose Tree Species Cultivation for Improving Livelihood Security in the Drought Vulnerable Ecosystems. -- Chapter 7_Biomass and Carbon Stock in Protected Areas Across Northwest Himalaya: An Optimal Sustainable Forest Land Management Strategy to Amplify Carbon Sequestration Potential. -- Chapter 8_Fallow jhum land management through integrated approaches with particular reference to Northeast India. -- Chapter 9_Seed Ball Technology- Facets and prospects for restoration of degraded lands. -- Chapter 10_Role of Traditional Farming Practices of North East India in Soil and Water Conservation and Sustainable Nutrient Management. -- Chapter 11_Impact of

Traditional Land Management Practices on Soil Fertility and Crop Productivity. -- Chapter 12_Geospatial technique for land degradation vulnerability mapping in the hot arid agro-ecosystem of India. -- Chapter 13_Assessing Soil Erosion Vulnerability Region of Dihing Watershed Using Multi-Criteria Decision Method (MCDM) in Combination with Remote Sensing and GIS Techniques. -- Chapter 14_Sustainable land management practices for healthy ecosystem services: A cornerstone of biodiversity sustenance in the Indian northwestern Himalaya. -- Chapter 15_Removing Heavy Metals from Polluted Soil via Phytoremediation: An Integrated and Sustainable Method.

Sommario/riassunto

This edited book addresses various aspects of sustainable land management, including existing policy norms and indigenous knowledge. It focuses on how sustainable land management can combat desertification, increase livelihood opportunities, mitigate poverty and hunger, and conserve biodiversity. The book explores different sustainable land management practices and policy frameworks in India aimed at achieving land degradation neutrality. Sustainable land management (SLM) encompasses Nature-based Solutions for restoring degraded landscapes, mitigating and adapting to climate change, ensuring water and food security, alleviating poverty, promoting economic growth, and conserving biodiversity. This book is suitable for academicians, researchers, and policymakers involved in developing roadmaps and policies to achieve the 2030 Agenda for Sustainable Development.
