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Nota di contenuto	1-Introduction to the Forest Resources in India -- 2-Assessment of Carbon sequestration in Delhi, India -- 3-Assessments of Bio-physical characteristics of Vegetation cover in Western Part of Rarh Plateau in West Bengal -- 4-Forest Cover Change Detection Using Remote Sensing and GIS in The Uttara Kannada District of Karnataka -- 5-Delineating the mangrove patches along coastal Kerala using GIS, satellite data and field validation -- 6-Assessing potential Habitat suitability for Panthera Tigris using multiple grain size and different ensemble methods in maximum entropy modeling -- 7-Bhutan heading from carbon negative to carbon neutral country -- 8-Analyzing the Dynamics of Forest Fire in Almora District using GIS and Remote Sensing -- 9-Green placemaking in Kolkata: Role of Urban Greens and Urban Forestry -- 10-Forest Resource Scenario of Industrial town: A Study of Asansol Durgapur Region -- 11-Application of participatory rural appraisal and geospatial techniques for analyzing the dynamics ofmangrove forest

and dependent livelihood in Indian Sundarban -- 12-Forest Cover Change Detection and Local Community Participation in Forest Management: Evidence from Rural North Sikkim, India -- 13-Seasonal relation of NTFPs and socio-economic indicators to the household income of the forest-fringe communities of Jaldapara National Park -- 14-A People's Biodiversity Register of Henry's Island, Indian Sundarban -- 15-Forest Management in the age of Geospatial technology -- 16-Landscape characterisation and forest fragmentation analysis using geospatial techniques: Case study from Central Indian Highlands -- 17-Monitoring forest status in Barail wildlife sanctuary using forest fragmentation approach -- 18-Geo-spatial analysis to assess the changing pattern of land use and its impact on forest fragmentation in Sri Lanka from 2000 to 2020 -- 19-Assessment of mangroves suitability in Andaman Islands, using geospatial technique -- 20-Remote Sensing Based Forest Cover Change Detection and Ecosystem Assessment in Madhupur Sal Forest of Bangladesh -- 21-Changing landscape and increasing human wildlife conflict: Introspection from a transboundary landscape -- 22-Corridor Mapping of Asian Elephant (Elephas maximus) in Central Indian Corridors (Jharkhand and West Bengal), using Geospatial Techniques -- 23-Issues of Biodiversity Conservation and Conflict in Gorumara National Park, West Bengal, India -- 24-A Combined Machine Learning and Data Fusion Based Approach for Flood Susceptibility Analysis to Study Impact on Vulnerable Wildlife in Kaziranga National Park -- 25-The future of Indian forests: Conservation and Monitoring and management perspectives.

Sommario/riassunto

This volume is devoted to compiling recent advancements, methodological improvements, new processing techniques, integration methods and rigorous applications associated with conceptual techniques on the conservation and monitoring of forest resources for a scientific audience, with a focus on cases and applications in India. The primary objective of the book is to advance the scientific understanding of the recent trends and technological improvements in forest conservation, management and related research themes in forest resources and human-wildlife interactions. The book is organized into five sections: (I) Forest Conservation Ecology (II) Forest Conservation and Society (III) Forest Management (IV) Forest Monitoring using GIS and Remote Sensing and (V) Human Wildlife Conflicts. It covers various research themes related to forestry, wildlife, habitat fragmentation, forest management and human-wildlife conflict research, and therefore will be beneficial to a diverse range of researchers, scientific organizations, wildlife scientists, biologists, ecologists and planners in the fields of wildlife and forestry. The book will further be of use to post-graduates, PhD research scholars, professors, geospatial experts, modellers, foresters, agricultural scientists, biologists, ecologists, environmental consultants and big data compilers.