

1. Record Nr.	UNINA991098333803321
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Titolo	Mahanadi River : The Environmental Challenges and Way Forward // edited by Jay Prakash Bhatt, Ajay Kumar Mishra
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	9789819610488 9819610486
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (239 pages)
Altri autori (Persone)	MishraAjay Kumar
Disciplina	333.7
Soggetti	Ecology Human ecology - Study and teaching Environmental protection Civil engineering Conservation biology Freshwater ecology Marine ecology Environmental Sciences Environmental Studies Soil and Water Protection Conservation Biology Freshwater and Marine Ecology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- Chapter 1: Mahanadi River: Environmental Challenges and Way Forward -- Chapter 2: A systematic review for conducting a meta-analysis: Synthesis from multiple studies in coastal ecosystems of Odisha -- Chapter 3: Development of ecologically sensitive prototype plan for riverine island of Mahanadi River at Cuttack: A comprehensive assessment -- Chapter 4: Soil genesis classification and land use of some soils of upper Mahanadi basin -- Chapter 5: Why is the Mahanadi river not a conducive habitat for large reptiles, especially Crocodilia? -- Chapter 6: Diversity and distribution of ichthyofauna of the Mahanadi River basin in India -- Chapter 7: Pathways of social

inclusion for soil and water conservation in Mahanadi River basin -- Chapter 8: Nature-based solutions for Mahanadi River basin protection and conservation -- Chapter 9: Land use/Land cover change over quarter century in Paradip Port region in Mahanadi Delta of India: an investigation using remote sensing and geographical information system -- Chapter 10: Risk assessment of heavy metals from IB and Bheden river: The main tributaries of Mahanadi in Western Odisha, India -- Chapter 11: Interstate dispute on the Mahanadi Water: Political conflicts and eco-ethical solutions -- Chapter 12: Water Governance: An overview of the Inter-State Political Conflict Pertaining to Mahanadi River.

Sommario/riassunto

This book covers an overview of the Mahanadi River basin, spanning a total area of 141,581 square kilometers and extending across the states of Chhattisgarh (52.42%), Odisha (47.14%), Maharashtra (0.23%), Madhya Pradesh (0.11%), and Jharkhand (0.1%). It delves into the basin's hydro-development scenario, biodiversity, water quality, and sand mining, elucidating the pivotal role of the river in economic, social, and environmental viability of the eastern region of India. This volume emphasizes the environmental consequences stemming from unsustainable human activities such as river regulation, burgeoning settlements, sand mining, overfishing, and more. The Mahanadi River basin has been less explored for its biodiversity and environmental aspects compared to other prominent river basins like Ganga, Indus, Western Ghats, Godavari, and Krishna. This book seeks to fill this gap, offering new insights into the Mahanadi basin. The chapters address all dimensions of the environment, including social, ecological, engineering, and economic aspects, making it a multidisciplinary work. The book is tailored for audiences with backgrounds in social studies, engineering, biodiversity, and ecology.
