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Titolo	Science, Policies and Conflicts of Climate Change : An Indian Perspective / / edited by Neloy Khare
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Nota di contenuto

Part1. Policy and Scenarios -- Chapter1. Climate change, science policies, National Perspectives in Global context -- Chapter2. Climate changes over Indian subcontinent - Scenarios and impacts -- Chapter3. Assessing the historical and future relationship between climatic factors and the production of different crops over India -- Part2. Geopolitics and Conflicts -- Chapter4. Geopolitics of Climate Change and Water Security in South Asia: Conflict and Cooperation -- Part3. Water (Water/Sea-Level Rise/Precipitation) -- Chapter5. Vulnerability Analysis of Sea Level Rise (SLR) on a micro-tidal coast: a case study of Nagapattinam Coast -- Chapter6. Lacustrine records of anthropogenic change and precipitation in the monsoonal core zone of Central India since the last century -- Chapter7. Anthropogenic interference and climatic changes influencing precipitation, sediment load and sand deposition by Phalgu River in and around Jahanabad district, Bihar: A case study -- Part4. Land (geology, archeology/paleo/tectonics) -- Chapter8. Impact of contrasting climate on the intensity of chemical weathering and maturity of sediments in different latitudes: a geochemical study from peninsular and extra peninsular India -- Chapter9. Manganese mineralisation in manganiferous quartzite in Boringpadar-Amath area, Eastern Ghats Mobile Belt, Odisha, India: Implication for climatic changes -- Chapter10. Archaeological evidences of climate change: Potential source to understand the past climate trend -- Chapter11. A review study on Youngest Toba Tuff ash, artifacts and vertebrate remains preserved in the Quaternary alluvial sediments of India and their significances in climate and paleoenvironment interpretations -- Chapter12. Active Tectonics-climate interaction in the structural depo-centres of Central Indian Tectonic Zone (CITZ) -- Chapter13. Application of Cosmogenic Radionuclides in the Quaternary Sciences using Accelerator Mass Spectrometry.

Sommario/riassunto

This collection of articles captures and disseminates contemporary perspectives on climate change from an Indian context. Starting with an argument on a new climate deal which highlights the importance of policies and regulations within the climate change debate, some of India’s best-known geologists, meteorologists, climate scientists and archaeologists have put forward their concerns and convictions in this collection. The book covers articles on climate change scenarios, impacts, policies, regulations and protocols as well as geopolitical and geoeconomics implications of climate change over the Indian sub-continent including climatogenic vulnerability analyses of sea level rise (SLR) and crop production assessment. The geological perspectives of climate change over the Indian sub-continent are covered, along with highlighted climate impacts on the chemical weathering and maturity of sediments as well as on the manganese mineralisation in manganiferous quartzite in the Boringpadar-Amath area. The evolution of the monsoon, the most significant event of tropical belt is addressed through lake’s and river’s sediments, assessing the anthropogenic influences. Climatic conditions reconstructed through Quaternary alluvial sediments as proxy indicator of past climatic conditions over the Indian sub-continent are presented. There is also a separate chapter on the role of cosmic radio nuclide in paleoclimatic reconstructions. The inter-relation of climate change and tectonics over the Indian sub-continent is also covered, while the geopolitics on the conflicts of climate change have been discussed in the larger perspective of the South-Asian region.