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Nota di contenuto	Part 1. Climate Change Impact Scenarios: various sectors -- 1. Strengthening Regional Cooperation for Projecting the Climate Change Impact at the National and Sub-regional Levels: A Critical Review (Md. Nazrul Islam; Sahanaj Tamanna; Al Rabby Siemens; Md. Asifur Rahman; Naimul Hossain Durjoy; S. M. Saif Uddin; Shadman Ferdous Khan; Nayem Mahmud; Rizwana Farzin Shama; Md. Nayem Uddin Munna; Abrar Karim Fuad) -- 2. Evaluating the Impact of climate change and anthropogenic activities on lacustrine environment of the Kashmir Valley, north-western Himalaya, India (Rayees Ahmad Shah, Reyaz Ahmad Dar, Omar Jaan Paul and Shakil Ahmad Romshoo) -- 3. Impact of Landuse/Landcover (LULC) Changes on the Hydrology of the Upper Indus Basin (Jhelum) under Changing Climate (Sumira Nazir Zaz and Shakil Ahmad Romshoo) -- 4. A Comparative Evaluation of Climate Vulnerability among North Eastern States of India (Shahab Fazal, Deepika Vashishtha) -- 5. Investigating Climate Change Impacts and

Anthropological Disturbances Using Earth Observation Datasets of the Sundarban Region (Bijay Halder, Jatisankar Bandyopadhyay; Md. Nazrul Islam) -- 6. Microclimatic Impact of Land Surface Temperature on Land Use/Land Cover in Sankrail Block of Jhargram District, West Bengal, India (Jatisankar Bandyopadhyay, Suman Das, Suvasish Mahapatra, Nirupam Acharyya) -- 7. Climate Change Impacts on Pond-based Farming and Its Delineation by GIS on Selected Blocks of South 24 Parganas, India (Swagat Ghosh; Bijay Halder; Sukanya Mandal; Kalyan Sundar Das; Jatisankar Bandyopadhyay, Md. Nazrul Islam) -- Part 2. Climatic Change Mitigation Strategies: selected case studies -- 8. Climate Change Mitigation, Adaptation Strategies and International Politics: A Scenario of the Indian Perspectives in the Light of the Global Contexts (Hm Izhar Alam; Md. Nazrul Islam; Md Babor Ali) -- 9. Impact of Climate Change on Ranthambhore Tiger Reserve in India: Adaptation and Mitigation Strategies for Forest Conservation (Bhanwar Vishvendra Raj Singh, Anjan Sen, Ritika Prasad, Ravi Mishra) -- 10. Mitigation and Adaptation Strategies for Climate Change Impacts: Projection Challenges on the Agriculture Dynamics in India (Syed Kausar Shamim, Nikhat Bano, Ateeque Ahmad, Md. Nazrul Islam) -- 11. Modeling of Agricultural Land Suitability Potential Zones (ALSPZs) as Water bodies in Semi-arid regions under Climate Change of Andhra Pradesh, India (Pradeep Kumar Badapalli, Md. Nazrul Islam, Raghu Babu Kottala, Anusha Boya Nakkala, Rajasekhar M) -- 12. Role of Maharashtra Project on Climate Resilient Agriculture (PoCRA) in Achieving Sustainable Development Goals: A short review of progress till 2021 (Wasim Ayub Bagwan) -- 13. Modeling on Climatic and Anthropogenic Impacts of Land Use and Land Cover (LULC) Changes at the Alappuzha District, South Kerala in India (Varunprasath K; Md. Nazrul Islam; Amritha P S) -- 14. Predicting Rainfall Connecting with Meteorological Parameter and Micro-Climatic Phenomenon Using ANN- A Case of Surat City, India (Usman Mohseni, Azazkhan Ibrahimkhan Pathan, P.G Agnihotri, Md. Nazrul Islam) -- Part 3. Climate Change Adaptation Strategies: responding to the impacts -- 15. Climate Change: Challenges to Sustainable Development with focus on rural areas of India: A Review (M C Rathy, T R Shanthi and Smitha Chandran S) -- 16. Evaluating Climate Change Perception and Mitigation-Adaptation Scenarios at the Kashmir Valley in North-Western Himalayas, India (Hilal Ahmad Parrey, Shamim Ahmad Shah, Mohd Shafi Bhat, Irshad Ahmad Thoker, Peer Jeelani1, Md. Nazrul Islam) -- 17. Current Status of Climate Vulnerability in Kolkata Urban Agglomeration in the Context of Proposed Resilience and Adaptation (Jayanta Basu, Gunjan Sarkar, Rigdha Sarkar, Aniruddha Mukhopadhyay, Pradip K. Sikdar) -- 18. Monitoring of Climate Change Impacts and Adaptation Strategies on Vegetation and Inland Fishery Area in Gosaba CD Block, West Bengal, India (Bijay Halder, Jatisankar Bandyopadhyay, Md. Nazrul Islam) -- 19. Review the Scenarios of Carbon Footprint in India and Southeast Asia in Comparison to the World Average over the last few centuries (Sunil Kumar Srivastava; Md. Nazrul Islam).

Sommario/riassunto

The major topics covered in this book include the climate vulnerability in Kolkata, urban agglomeration of resilience and adaptation strategies, climate change impact on western Himalayas, climate vulnerability in the north-eastern states of India, mitigation strategies of forest ecosystem, climate change impact on agricultural dynamics, suitability of potential zones (ALSPZs) as water bodies in semi-arid regions, extreme impacts of climate on coastal areas of the Indian Sundarbans, changes in the hydrology of the upper Indus Basin (Jhelum), climate change in inland fishery area, climate resilient agriculture (PoCRA) in achieving Sustainable Development Goals Maharashtra, climate change

impact on land use in Alappuzha District, Kerala, climate change impact on biodiversity in the Sundarbans, modeling for rainfall prediction at Surat city in Gujarat, the impact of land surface temperature on the ecosystem, carbon footprint in India and south-east Asia in comparison to the world average.
