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Nota di contenuto	1 Geographies of the Indian Subcontinent -- 2 Impacts of Last Glacial Maximum Palaeosol (LGMP) on Arsenic pollution in Groundwater of the Southern Bengal Basin Along a 12 km Traverse on the Western Bank of River Hugli, West Bengal, India -- 3 Assessing the Ecosystem Services of Wetlands -- 4 Surface Water Vulnerability of the Urban Fringe Area in Kolkata Metropolitan Development Authority (KMDA), West Bengal, India -- 5 Land Use Dynamics and Environmental Cost Estimation in Lower Gondwana Coalfield, West Bengal, India -- 6 Study of Synergetic Relationship Between Tribes and Their Socioecological Environments -- 7 SENTINEL-Derived Aerosol Optical Depth and Land Surface Temperature of a Newly Developed Urban Metropolitan Area in Eastern India -- 8 Flood Monitoring Using Synthetic Aperture Radar Data and Google Earth Engine -- 9 Geospatial Modelling for Quick Response to Urban Fire Hazards -- 10 SKIMEQIS -- 11 Forecasting of Onset of

Southwest Monsoon with Preferred Number of Pre-monsoon Cyclonic Disturbances Over Bay of Bengal -- 12 Natural Disaster Recovery for Flood-Affected Areas Using YOLOv7 Object Detection and Instance Segmentation -- 13 Rainfall Variability and Irrigation Scheduling for Paddy Cultivation in the Kankai Irrigation System, Eastern Nepal -- 14 A Study on the Application of Different Statistical Tools in the Field of Social Science Paradox -- 15 Decomposition Analysis of CO2 Emission from Electricity Generation in Top Three Emitting Countries, with Emphasis on Indian Scenario -- 16 Revisiting Exploratory Research Methodology in the Context of Environment and Development in the Anthropocene.

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### Sommario/riassunto

This contributed volume presents the latest in research on geographies of the Indian Subcontinent, with a focus on innovative technologies and methodologies such as machine learning, remote sensing, geographic information systems, and more. The cases presented in this volume offer novel research that advances our understanding of the Indian Subcontinent in integrated and interdisciplinary manner. The book is split into three distinct sections. The first covers field observations and experiment design. The second examines applications of geospatial technologies and modelling techniques. The last section highlights cases of translating this research into concrete policy. The techniques described here and the lessons learned from the cases presented are transferrable to problems in geography across the globe, and the book is targeted towards young professors, scholars, and researchers interested in the emerging techniques being applied to research in the field of geography and allied disciplines.

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