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Nota di contenuto	Chapter 1: Emerging threats to mountain ecosystem services under changing climate -- Chapter 2: Ecosystem Functioning in the Chittagong Hill Tracts, Bangladesh: Scopes and Challenges for Indigenous Communities Adaptation to Climate Change -- Chapter 3: Long-term monitoring of Snow Cover Extent and Land Surface Temperature to understand the warming of mountains in a semi-urban location of North Western Himalayas -- Chapter 4: Plant phenological shifts in the Indian Himalayan Region -- Chapter 5: Climate Variability in the Kilum-Ijim Mountain Range of Cameroon: Implications for Rural Livelihoods and Food Security -- Chapter 6: Increasing warming of Cameroon's Afromontane landscape: Realities and implications for livelihoods and sustainability -- Chapter 7: Implications of climate

change on Health and Livelihood of people in Hindu Kush Himalayan Region -- Chapter 8: Minimizing carbon footprint through the traditional approach Tar Span in the mountain valleys of Himachal Pradesh -- Chapter 9: Impact of Climate change and mitigation plans for building climate resilient village ecosystem: Challenges and adaptive strategies -- Chapter 10: Managing disasters in mountains: challenges in the era of global warming -- Chapter 11: Ground based and Geospatial measurement of Aerosol and Black Carbon to assess the Warming patterns in a sub urban location in Himachal Pradesh, India -- Chapter 12: Spatio-Temporal Assessment of Climate Change led Ecological Vulnerability through DPSIR in Indian Himalayan Region -- Chapter 13: Exploring alternative livelihood opportunities for mountain people as an adaptive strategy to changing climate: A case of Chyulu Hills, Kenya -- Chapter 14: An area of Dankness: Food security of Food Producers When the Kosi comes down to the plains -- Chapter 15: Enhancing Soil Carbon Stocks in Agricultural and Forest Soils: A Crucial Step towards Climate Change Mitigation and Ecological Security -- Chapter 16: Warming mountains: Gendered implications for livelihood and sustainability -- Chapter 17: Analysis of normalized difference vegetation index (NDVI) of Chittagong Hill Tracts from 1991-2021 using remote sensing tools -- Chapter 18: Communal arrangements for sustainably managing soil quality and adapting to climate change: a case study in Peruvian Central Andes -- Chapter 19: Consequences of Climate Change on Medicinal and Aromatic Plants in Indian Himalayan Regions: An Overview -- Chapter 20: Landslide's Recovery and Restoration: A Way to Sustainable Development Goal (SDG) 15 -- Chapter 21: Community managed forests and their effectiveness in SDGs implications in Western Himalayan Region.

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### Sommario/riassunto

This contributed volume focuses on the sustainability of mountain ecosystems in the face of a changing climate. Its chapters highlight climate change impacts on the livelihoods of the people and communities that live in mountains and ways that these effects can be mitigated through adaptive measures. The chapters herein address a gamut of topics from use of remote sensing tools to assess changing ecosystems, disaster management in mountains, policymaking between institutions, and more. This book is suitable for students (undergraduate and postgraduates) of ecology and environmental studies/sciences, mountainous agriculture, mountain forestry, teachers, researchers, climate change scientists in academic and research institutions. It will also be useful to environmental management agencies particularly working towards sustainable development in mountainous regions, disaster management authorities, government agencies and policy makers.

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