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3. Evaluating Apiculture as a Sustainable Livelihood Option in the Wake of Climate Change: West Bengal, India -- Chapter 4. The Impacts of Drought Disasters on Mexican Agriculture: An Interpretation from the Perspective of the Political Economy of Disasters -- Part II: Extreme Climatic Events: Impacts and Adaptation Issues in agrarian environment -- Chapter 5. Smallholder livestock farmers' animal health management practices in South Africa -- Chapter 6. Identification of Spatio-temporal extent of agricultural drought using geospatial techniques: A case study of Chhatna Block, Bankura District, West Bengal, India -- Chapter 7. Climate Change and Agriculture: Understanding Short-Term Impact of Climate Change in Selected Crop Production in West Bengal -- Part III: Agriculture under Changing Climate -- Chapter 8. Resilience of Farmers in Response to Sallinity Intrusion Problem in Agricultural Fields of Coastal Region of Bangladesh -- Chapter 9. The ecological significance to maintain rice cropping areas in the rice bowls of Kerala for sustaining food and livelihood security under the purview of climate change -- Chapter 10. Crop diversification: an Adaptive option for climate change resilience in agro-climatic zone of West Bengal -- Part IV: Farmers Perceptions of Climate Change and Adaptation Strategy -- Chapter 11. Unraveling the Interplay between Indian Agricultural Sector, Food Security and Farms Bill: Key to Sustainable Development Goals -- Chapter 12. Correlation between Volumetric Loading Rate and Removal Efficiency of Bio-Chemical Oxygen Demand and Chemical Oxygen Demand for Waste Water Treatment by Improved Bio-Tower Technology in Ganga River Basin (India) -- Chapter 13. Site Suitability in Water Harvesting Management Using Remote Sensing Data and GIS Techniques: A Case Study of Sulaimaniyah Province, Iraq -- Chapter 14. Futuristic Climate Change Impacts on rice and groundnut production over Tamil Nadu State, South India -- Part V: Sustainable Adaptive Options to Combat Global Warming and Climate Change -- Chapter 15. Assessment of Soil Suitability for Sunflower Cultivation in Sagar Island, India -- Chapter 16. Agricultural Bill 2020 in India: Agricultural Policy and Transition to Sustainable Agriculture and Self-reliance -- Chapter 17. Urban Heat Island (UHI) Resilience Plan in Varying Climatic Conditions using Geospatial Approach: A Case Study Of Rajkot City -- Chapter 18. Identifying suitable sites for alternative agriculture in drought prone Akarsa watershed, West Bengal.

Sommario/riassunto

This book discusses emerging contexts of global warming and climate change, agricultural vulnerability and adaptation from local to global scale. Climate change, resilience in relation to agriculture and livelihoods and multi-dimensionality of various approaches are clearly taken into account by providing studies and perspectives on various methods and scales based on natural science to social science frameworks. This edited work contains chapters that are interdisciplinary, covering climate change, agriculture vulnerability, disaster impact, productivity efficiency, food security, livelihood resilience, land degradation, sustainability, in terms of plan and perform for transformation, sustainability and adaptation, including philosophy, change and economics, as well as the natural sciences. This book addresses the sustainable development goals to reduce the adverse impacts on agricultural productivity brought on by climate change and its adaptation and disaster risk reduction in developing and developed nations. Some of the assessed challenges include soil erosion, land use conversion, natural resource mismanagement, crop productivity decline and economic stagnation. This book covers important issues in the production and consumption of food in the past and present periods, agriculture, livelihood, and climate change,

disaster risk management and society. All of these are under the threat of ongoing climate change and significant challenges to livelihood sustainability. The book is arranged into five broad sections: each part will cover a set of chapters dealing with a particular issue of the climate change, agriculture and society: approach toward sustainability. This book aims to attract attention of students, researchers, academician, policymakers and other inquisitive readers interested in different aspects of climate change, agriculture, livelihood and sustainability, particularly at local to global context.
