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Nota di contenuto	1. Introductory Chapter: Climate Change -- 2. Spatiotemporal Variation Analysis of Arctic Sea Ice Thickness and Volume Based on CryoSat-2 Altimetry Satellite Data -- 3. The Nexus of Climate Change, Urban Infrastructure and Sustainable Development in Developing Countries -- 4. Risks and Threats on the Coast of Quintana Roo: The Case of Tulum, Mexico -- 5. Evaluation of Net Radiation in San Luis Potosi City - Mexico, with Remote Sensing Processes -- 6. Genetic Interaction and Inheritance of Physiobiochemical Traits Can Predict Tolerance of Maize to Water-Deficit Stress -- 7. Recent Trends in the Yield-Nutrient-Water Nexus in Morocco -- 8. Microbial and Chemical Contamination of Vegetables in Urban and Peri-Urban Areas of Sub-Saharan Africa -- 9. Arousing Public Attention on Sea Level Rise in New Zealand through Art-Science Collaboration -- 10. Adaptation Strategies for Climate Variability in the High Rainfall Zone of India, Assam -- 11. Vulnerability of Climate Change and Potential of Domestic Adaptation and Mitigation Pathways -- 12. Knowledge Coproduction for Transformative Climate Adaptation: Building Robust Strategies -- 13. Biostimulants Application: An Innovative Approach to Food Security under Drought Stress.
Sommario/riassunto	Never has the reality of climate change and its ramifications been so obvious around the world. Humankind is currently living in times when the reality of global climate change is unequivocal. The recent Intergovernmental Panel on Climate Change AR6 report further depicts

the veracity of climate change by highlighting historically changing patterns of precipitation and temperature across the world, amidst heightened and varied levels of vulnerability around the world. This book is planned along the increasingly complex and daunting nature of climate change. The broad scope is intentional and aims at eliciting scholarship from across the globe and from varied areas of climate change research. Thus, as varied and broad as the intentions are, so too are the book's contents. The thirteen peer-reviewed chapters are organized into four sections. Section 1 introduces the concept of climate change and other global perspectives and trends. Section 2 focuses on climate risk, resilience, and vulnerability. Section 3 explores varied perspectives on climate risks, sensitivity, and exposure with a focus on monitoring and assessment. Finally, Section 4 explores climate change adaptation and mitigation. The multidisciplinary nature of this book will appeal to a varied readership including governments, municipal authorities, and daily grassroots users of environmental resources.

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