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Nota di contenuto	1. The Food Security, Biodiversity, and Climate Nexus -- 2. Impacts of Climate Change on Biodiversity Resources, Especially on Forests and Wildlife Distribution -- 3. Mangrove Ecosystems within a Changing Climate: Threats and Opportunities -- 4. Realizing Food Security in Saline Environments in a Changing Climate: Mitigation Technologies -- 5. Land Use Land Cover Change in Salt Range Wetlands Complex of Pakistan in Response to Climate Change -- 6. Therapeutic Floras and Unindustrialized Behavior to Combat the Hunger: An Implication to Populace Health -- 7. Fostering Health Security through Biodiversity: A Case Study from Ogun and Lagos States, Nigeria -- 8. Impacts of Climate Change on Biodiversity in Pakistan: Current Challenges and Policy Recommendations -- 9. Socio-Economic Implications of Crop

Raiding Around Pendjari Biosphere Reserve, Northern Benin -- 10. Burgeoning Desert Locust Population as Transboundary Plant Pest: A Momentous Threat to Regional Food Security -- 11. Climate Change Impacts on Mountain Ecosystems and Food Security in Pakistan -- 12. Climate Change and Disappearing Habitats: The Case of Majuli Island in Northeast India -- 13. Sustainable Agriculture and Plant Diseases to Ensure Global Food Security – An Epidemiological Perspective -- 14. Community-Based Adaptation in Drylands Associated to Crop Biodiversity: A Viable Pathways to Foster Climate and Food Resilience -- 15. Non-timber Forest Products Income: What Implications for Social Safety Nets in Afaka Forest Reserve Communities, Kaduna-Nigeria? -- 16. Human Activities as Potential Risk to the Sustenance of Barawa Forest Reserve in Katsina State, Northern Nigeria -- 17. Potential of Baobab (*Adansonia digitata* L.) in Adaptation to the Environmental Change -- 18. Managing the Soil Erosion through the Use of Polyacrylamide: An Empirical Study.

Sommario/riassunto

This volume is the outcome of an international cooperation between 73 scientists, experts, and practitioners from many countries, disciplines, and professional areas. As a part of a series of CERES publications, the volume attempts to contribute to the scientific debate about the food-biodiversity-climate nexus by developing a comprehensive region-specific and broader global understanding of the linkages between these areas, especially in the context of Global South. Instead of providing only modern science-based solutions for the nexus related challenges, the volume covers case studies that present mixed solutions, offering the use of traditional ecological knowledge in combination with modern science for both resilience and sustainability. This is increasingly instrumental in shaping the needed response options regarding the economic, social, and environmental future of the world. Based on a multi-regional and cross-sectoral analysis, the approach consists of: assessing the different natural and anthropogenic factors currently affecting ecosystems and their services, especially the impacts of climate change; highlighting the different linkages between the state of biodiversity and food systems in many contexts and scales; and exploring the various response mechanisms to effectively manage the implications of such linkages. Most chapters provide inputs for future relevant research and policy agendas.
