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Nota di contenuto	Chapter1: Conservation agriculture and climate change: An overview -- Chapter 2: Conservation agriculture: A new paradigm for improving input use efficiency and crop productivity -- Chapter 3: Resource Conservation technologies (RCTs) for climate resilient agriculture in foothill of North West Himalayas -- Chapter 4: Role of biofertilizers in conservation agriculture -- Chapter 5: Sustainable agrochemicals for conservation of agriculture and climate change -- Chapter 6: Role of genetic resources of forages in the present changing climatic scenario -- Chapter 7: Towards the climate change and community based adaptation-mitigation strategies in hill agriculture -- Chapter8: Agroforestry for natural resource conservation, livelihood security and climate change mitigation in Himalayan Agro-ecosystems -- Chapter 9

-- Elevated carbon dioxide (CO₂) and temperature vis- a-vis carbon sequestration potential of global terrestrial ecosystem -- Chapter 10: Climate change risk perception, adaptation, and mitigation strategy: an extension outlook in Mountain Himalaya -- Chapter 11: Towards the C sequestration potential of agroforestry practices to combat climate change in Kumaon Himalaya, India -- Chapter 12: Soils conservation of North-West Himalayas (NWH): Their constraints and potentials for sustainable hill agriculture -- Chapter 13: Towards the sustainable management of problematic soils in north eastern India -- Chapter 14: The Indian Himalayan ecosystem as sources for survival -- Chapter 15: Soil degradation in North- West Himalayas (NWH): a case study of Himachal Pradesh -- Chapter 16: Towards the natural resource management for resilient shifting cultivation system in eastern Himalayas -- Chapter 17: Impact, adaptation and vulnerability of Indian agriculture towards the climate change -- Chapter 18: Potential impacts of climate change on quality seed production: a perspective of Hill agriculture -- Chapter 19: Impact of climate change on water resources in Indian Himalaya -- chapter 20: Diversity among rice landraces under static (ex-situ) and dynamic (on-farm) management a case from north-western Indian Himalayas -- Chapter 21: Effect of climate change on growth and physiology of rice-wheat genotypes -- Chapter 22: Dose a rice breeding enhance the drought tolerance under the changing climate scenario.

Sommario/riassunto

This book showcases a compilation of case studies presented by scientists, teachers and academics and covers contemporary technologies for combating climate change, including sustainable agricultural management practices and conservation agriculture. It highlights the situations that future generations in the Indian Himalayas will face, and addresses the major challenges for tomorrow's generations in their efforts to ensure sufficient food production for the global population. It also sheds light on the factors that are routinely ignored in connection with agricultural management practices for sustainable food production and risk assessment. Lastly, it illustrates the need to develop a comprehensive master plan for strategic planning, including conservation agriculture practices that address poverty and food security in the wake of climate change impacts.
