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Nota di contenuto	Chapter 1. Ecosystem health and dynamics: An indicator of Global Climate Change -- Chapter 2. A comprehensive evaluation of heavy metals contamination in foodstuff and associated human health risk: a global perspective -- Chapter 3. Climate change impact on forest and agro-biodiversity: A special reference to Amarkantak Area, Madhya Pradesh -- Chapter 4. Agriculture sustainability and climate change nexus -- Chapter 5. Heat Stress in crops: Driver of climate change impacting global food supply -- Chapter 6. India's major subsurface pollutants under future climatic scenarios: Challenges and remedial solutions -- Chapter 7. Phosphorus sorption characteristics of the surface sediments from industrially polluted GBPS reservoir, India -- Chapter 8. Spatio-temporal variations of precipitation and

temperatures under CORDEX Climate Change Projections: A Case study of Krishna River Basin, India -- Chapter 9. Microorganisms in maintaining food and energy security in a world of shifting climatic conditions -- Chapter 10. Engineering Photosynthetic Microbes for Sustainable Bioenergy Production -- Chapter 11. Ensuring energy and food security through solar energy utilization -- Chapter 12. A Conceptual Framework to Social Life Cycle Assessment of e-Waste Management: a case study in the city of Rio de Janeiro -- Chapter 12. Unsustainable management of Plastic Wastes in India: A threat to global warming and climate change -- Chapter 14. Assessment of public acceptance of the establishment of a recycling plant in Salfit district, Palestine -- Chapter 15. An overview of the technological applicability of plasma gasification process -- Chapter 16. Natural Gas Hydrates: Possible Environmental Issues.

Sommario/riassunto

Over the last few decades, unprecedented global population growth has led to increased demand for food and shelter. At the same time, extraction of natural resources beyond the Earth's resilience capacity has had a devastating effect on ecosystems and environmental health. Furthermore, climate change is having a significant impact in a number of areas, including the global hydrological cycle, ecosystem functioning, coastal vulnerability, forest ecology, food security, and agricultural sustainability. According to the Intergovernmental Panel on Climate Change (IPCC), only immediate and sustained action will prevent climate change causing irreversible and potentially catastrophic damage to our environment. This book presents various scientific views and concepts, research, reviews, and case studies on contemporary environmental issues in changing climate scenarios and highlights different adaptation measures. Increasing awareness of modern-day patterns of climate change, it addresses questions often raised by environmental scientists, researchers, policymakers and general readers. .
