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Altri autori (Persone)	RahamanMargubur ChouhanPradip AhmedFarooq
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Soggetti	Environmental health Public health Sustainability Natural disasters Pollution Bioclimatology Environmental Health Public Health Natural Hazards Climate Change Ecology
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Nota di contenuto	Part I: Environmental Health: Theoretical Insights, Methods, and Research Direction -- Historical, Theoretical and Epidemiological Approaches to Environmental Health Research -- Dynamic Methodologies in Environmental Health Research: Integrating Mixed Methods for Equity and Sustainability -- Deciphering the Climate Split: Social Equity, Environmental Justice, and Public Health Impact -- Emerging Trends and Future Research Directions in Environmental Health -- Part II: Environmental Hazard, Disaster, and Health Vulnerability -- Environmental Health in the Anthropocene:

Determinants and Challenges in Tropical Regions -- Meteorological Conditions Associated with Dengue Outbreaks: A Comprehensive Review -- Environmental and Social Determinants of Malaria -- An Assessment of the Vulnerability and Sustainability of Livelihoods for Riparian Households in Flood and Bank Erosion-Affected Villages of the Kaljani River Basin in Eastern India -- Resilient Communities and Health Systems: Kerala's Lessons in Tackling Health Vulnerabilities -- Climate Change and Public Health Preparedness in Lower Middle-Income Countries -- Climate Adaptation and Community Based Strategies for Health resilience -- Exploring Two-Dimensional (2D) Layered Materials and Their Composites for Wastewater Treatment and Photocatalytic Dye Degradation -- Water Contamination Risk during Flood and Ensuring Safe Water for Health: A Case Study from Bangladesh, 2024.- Sustainable Strategies for Access and Utilization of Antenatal Care Services in Flood-Prone Regions of India -- Sustainable Strategies for Mitigating Indoor Air Pollution and Cardiovascular Health Risks among Ageing Populations: A Case Study of Bankura District -- Vegetation Cover for Sustainable Urban Planning: The Multifaceted Dimension -- Part III: Environmental Pollution, Health Hazards and Sustainable Solutions -- Climate-Resilient Food Systems in Fiji: A Sustainable Path Forward -- Ecosystem-Based Sustainable Agriculture in the Current Climate-Change Context of Bangladesh: Legislative and Institutional Responses -- Role of Village Community Organizations, Effective Watercourse-Management, and Impacts on Water and Food Security in Pakistan -- Evaluating Women's Nutrition and Health Status in Chittur Municipality, Kerala: A Pathway to Sustainable Public Health -- Introduction to GIS, AI, and Machine Learning Applications in Environmental Health Monitoring -- Revolutionizing Environmental Hazard Management with Remote Sensing and GIS.-Role of Emerging Technologies in Promoting Sustainable Environment and Public Health.

Sommario/riassunto

This book offers a comprehensive exploration of the dynamic relationship between environmental factors and public health, providing both theoretical insights and practical solutions. As environmental challenges such as climate change, pollution, and natural disasters increasingly threaten global public health, this book integrates foundational theories with empirical evidence to address these pressing issues. It covers a wide range of topics including the theoretical and methodological foundations for understanding the nexus between environment and public health, exploring historical perspectives and research directions. The book examines the health impacts of environmental hazards and disasters, focusing on vulnerable regions and populations with highlighting climate change associated public health challenges. Furthermore, the book shifts to the environmental pollution and public health challenges, offering sustainable solutions to mitigate environmental pollutions. The book also delves into the intersection of climate extremes, food security, and nutrition, focusing on how vulnerable countries can build resilient food systems to combat food insecurity and malnutrition. It emphasizes the role of cutting-edge technologies like geospatial tools, artificial intelligence, machine learning (ML) and advanced environment and public health data cloud to make sustainable solutions. By integrating diverse regional perspectives, the book presents actionable strategies for building resilient, sustainable environment and public health. Designed for researchers, policymakers, and environmental health practitioners, this book serves as an essential guide for understanding the profound global environmental challenges and public health burdens, learning the advance tools and techniques to delineate such issues and resilient strategies.

