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Titolo	Fog: Formation, Chemistry, Dynamics, Impact and Dissipation // edited by Pallavi Saxena, Anil Kumar Gupta, Rogert Sorí
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ISBN	981-9644-22-4
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (XVI, 256 p. 23 illus., 21 illus. in color.)
Collana	Biomedical and Life Sciences Series
Disciplina	581.788
Soggetti	Stress (Physiology) Plants Ecology Environmental chemistry Plant physiology Plant Stress Responses Environmental Chemistry Plant Physiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Introduction to Fog as a Phenomenon -- Chapter 2. Atmospheric Processes and Mechanisms Involved in Fog Formation -- Chapter 3. Perspectives on Fog Chemistry: Characteristics, Variability and it's Scavenging Efficiency -- Chapter 4. Characterization of chemical constituents in Acidic Fog -- Chapter 5. Urban Fog and Its Impact on Atmospheric Visibility Degradation -- Chapter 6. Fog Dynamics in Affecting Climate and Air Quality -- Chapter 7. Impact of Fog on Physiology and Growth of Plant Species -- Chapter 8. Impact of Fog on Human Health – Metabolism and Functioning -- Chapter 9. Governance of Side Effects - The Case of Impact of Fog on Economy -- Chapter 10. Role of Satellites and Sensors in Fog Predictability -- Chapter 11. Cost-Effective Measures of Fog Remediation and Control: Mitigation of Health Impacts and Safety Risks -- Chapter 12. Policy Implications and Mitigation Strategies for Combating Fog Problem.
Sommario/riassunto	This book addresses the atmospheric phenomenon of fog formation and its impacts on plant and human life. It covers the chemistry,

formation, dynamics, impacts and dissipation of the fog. It also elucidate basic concepts of formation of fog, role of meteorology in fog formation, chemistry of fog, how different chemical constituents present in fog affects its quality and surrounding atmosphere, impacts on plant species, human health, visibility and economy and dissipation of fog by cost effective techniques. It also highlights the use of some plant species in managing the fog induced pollution. This book is of interest to teachers, researchers, climate change scientists, professionals involved in air quality, meteorology, plant and humans related research, capacity builders and policymakers. Also the book serves as additional reading material for undergraduate and graduate students of agriculture, forestry, ecology, and environmental sciences. National and international environmentalists, policy makers will also find this to be a useful read. .
