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| Titolo | Air pollution and its complications : from the regional to the global scale // Shani Tiwari, Pallavi Saxena, editors |
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| Descrizione fisica | 1 online resource (XIII, 178 p. 40 illus., 33 illus. in color.) |
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| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Chapter 1. Introduction -- Chapter 2. Transport mechanisms, potential sources and radiative impacts of black carbon aerosols on the Himalayas and Tibetan Plateau glaciers -- Chapter 3. Impact of urban and semi-urban aerosols on the cloud microphysical properties and precipitation -- Chapter 4. Aerosol Characteristics and its Impact on Regional Climate over Northern India -- Chapter 5. Impacts of air pollution on Himalayan Region -- Chapter 6. Human associated potential risk of metals bound fine particulate matter -- Chapter 7. Potential impacts of gaseous air pollutants on global crop yields under climate change uncertainties and urbanization -- Chapter 8. Impacts of air pollutants on forest ecosystem and role in ecological imbalance -- Chapter 9. Green technologies to combat air pollution -- Chapter 10. Urban mobility associated ambient air quality and policies for environmental implications -- Index. . |
| Sommario/riassunto | This book provides an overview of the fundamental concept of air pollution, emission sources of air pollutants and their transportation. First, the book presents a brief background on air pollution and its emission sources, then it continues with their impact on agriculture, health, and climate change. Furthermore, it covers the basic concepts of air pollution, transportation of air pollutants, global climate change and the use of science in air pollution policy formulation in detail. It |

also emphasizes the effects of air pollutants in altering the onset pattern of the Indian Summer Monsoon. In addition, it describes the impacts of air pollution on the cryosphere and human health. In this book the editors provide an interdisciplinary unique collection of new studies and findings on the groove of air pollution, to improve the basic understanding of graduate students as well as researchers in the field of air pollution and its impacts on various aspects of the atmosphere and surroundings. This collection covers the basic concepts of air pollution, transportation of air pollutants, and global climate change and the use of science in air pollution policy formulation. .
