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Descrizione fisica	1 online resource (361 p.)
Altri autori (Persone)	ChengMing <1964-> LiuWen <1966->
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Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	A study on bioreactivity and health effect on inhalable particulates in Beijing China / Longyi Shao ... [et al.] -- Saharan dust and the aerosols on the Canary Islands : past and present / Immaculada Menendez ... [et al.] -- Antimony in airborne particulates : a review on environmental monitoring and potential Sources / Akihiro Iijima, Keiichi Sato, and Naoki Furuta -- Airborne particulate matter in urban areas : a study of the role of reactive oxygen species on the toxic and carcinogenic effects and implications to human health / Athanasios Valavanidis, Konstantinos Fiotaki, and Thomais Vlahogianni -- Multiple techniques for researching airborne particulates : a comprehensive case study of Fallon, Nevada / Paul R. Sheppard, Gary Ridenour, Mark L. Witten -- Chemical characterization of ambient particle : PAHs and chlorinated PAHs / Takeshi Ohura -- Characteristics of atmospheric particulates and metallic elements composition study in center Taiwan / Guor-Cheng Fang -- Toxicological mechanisms underlying the adverse effects of ambient particulate matter (PM2.5) in the lung : contribution of an in-vitro approach / Guillaume Garcon -- Trends in modelling of radionuclides uptake by particulate matter in the marine environment using box models / A. Laissaoui and R. El Mrabet -- Correlations between disease-specific mortalities with particulate and gaseous air pollutants : risks for cardiopulmonary disease and female reproductive organ cancers / Kazuro Iwai ... [et al.] -- Photochemical

	degradation of selected nitro- and oxypolycyclic aromatic hydrocarbons on airborne particles under simulated solar UV-irradiation / Takayuki Kameda ... [et al.] -- Genotoxic and ultrastructural evidences of damage induced by fine (PM2.5) and coarse (PM10) air particulate matter on murine macrophages / Anna Poma ... [et al.].
Sommario/riassunto	This book presents studies of airborne particulates and their role in human health in various geographical regions. Various methodologies are used to monitor the transport and composition of these particulates. The negative impact of antimony and its compounds on the environment and ecosystem is discussed. Furthermore, this book describes, compares and contrasts airborne particulate techniques, both theoretically and in practice. Potential human health risks related to a myriad of inorganic and organic species, especially the polycyclic aromatic hydrocarbons, requires a detailed understanding of pollutant levels both indoors and outdoors. The photochemical degradation of selected polycyclic aromatic hydrocarbons, which is being done using simulated solar UV-irradiation, is examined. Particularly urban air, in high traffic areas, containing matagenic and carcinogenic pollutants. Finally, this book describes the genotoxic effects of carbon black, fine particulates on the murine macrophages. The ultrastructural evidences of damage induced by fine and coarse air particulate matter are also discussed.