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| Nota di contenuto | Air Pollution and Human Health -- Environmental Pollution Mitochondrial Unfolded Protein Response and Cancer -- Application of Remote Sensing and GIS for the Study of Health Effects of Air Pollution Challenges and Future Perspectives -- Modelling Ambient PM2.5 Exposure and Applications for Health Impact Assessment in India -- Stubble Burning and Its Environmental and Human Health Impacts -- Urinary 5 Aminolevulinic Acid as an Index of lead Exposure: A Cross Sectional Study in Population of West Bengal, India -- Particulate Air Pollution and Neurotoxicity: A Review -- Impact of PM25 Compositions on Visibility Impairment in an Urban City on the Eastern Coast of India -- A Review on Comparative Study of PM1 and PM2 5 Impact on Human Health -- 10 Greenhouse Gas Emission from Rice Fields A Review -- Air Pollution and Climate Change Influence on Agriculture Crops Weeds and New Weed Management Strategies -- Effect of Air Pollution and Climate Change on Forest Health: an Assessment of Research Priorities -- Greenhouse Gas Emissions from Agricultural Sector Issues and Challenges. |
| Sommario/riassunto | Particulate matter (PM) in the ambient air is a key indicator of air |

pollution. It can be suspended over long time and travel over a long distance in the atmosphere. It can cause a wide range of diseases that lead to a significant reduction of human life. Because of the potent role of PM and its associated pollutants, detailed knowledge of their effects on the environment in general, and human health in particular, is of primary importance. This book provides an in-depth overview of monitoring of airborne particulates and their sources and transport. The dynamics of nutrients, intake pathways of particulates by human body and other components of environment, and their possible health hazards and effects at different levels and at various organs are discussed. With contributions from well-known experts from diverse research fields, including medical and public health science professions, this book provides an exhaustive information on the health risks of air pollution and explores its control and mitigation strategies. In addition to providing a scientific basis for particulate air pollution, this book will also help readers, researchers and public health professionals to appreciate the environmental determinants of public health and apply research evidence for improving the quality of life. This will also delineate future research initiatives and policy actions needed with more stringent strategies for protecting the environment in general and human health in particular from PM at local, regional, and global levels.