

1. Record Nr.	UNINA990004990500403321
Titolo	Report of the twelfth annual round table meeting on linguistics and language studies / Michale Zarechnak editor
Pubbl/distr/stampa	New York : Kraus Reprint Co., 1971
Descrizione fisica	132 p. ; 23 cm
Collana	Monograph series on languages and linguistics ; 14
Locazione	FLFBC
Collocazione	YC 17 14
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910253897303321
Titolo	Plant Responses to Air Pollution / / edited by Umesh Kulshrestha, Pallavi Saxena
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2016
ISBN	981-10-1201-6
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (VIII, 195 p. 47 illus., 28 illus. in color.)
Disciplina	571.2
Soggetti	Plant physiology Oxidative stress Plant ecology Climatic changes Air - Pollution Plant Physiology Oxidative Stress Plant Ecology Climate Change Atmospheric Protection/Air Quality Control/Air Pollution
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa

Livello bibliografico**Nota di bibliografia****Nota di contenuto****Monografia**

Includes bibliographical references at the end of each chapters.

1. Introduction -- 2. Air Quality: Global and Regional Emissions of Particulate Matter, SO_x and NO_x -- 3. Urban Air Pollutants and their Impact on Biota -- 4. Mechanisms of Plant Uptake and Distribution of Pollutants -- 5. Role of Global Warming and Plant Signalling in BVOCs Emissions -- 6. Biochemical Effects of Air Pollutants on Plants -- 7. Effects on Photosynthetic Machinery of Plants -- 8. Effect of Air Pollutants on Plant Gaseous Exchange Process: Effect on Stomata and Respiration -- 9. Variations in Plant Respiration in Response to Ozone Exposure -- 10. Air Pollution Stress and Plant Response -- 11. Biomonitoring and Remediation by Plants -- 12. Air Pollution Control by Policies and Laws -- 13. Pollution and Plants: Changing Policy Paradigms.

Sommario/riassunto

This book focuses upon air pollution, types of air pollutants and their impact on plant physiological and biochemical systems. The book begins with a brief background on air pollution and continues with a discussion on different types, effects, and solutions to the pollution. The chapters that follow, explore the different effects of pollution on chloroplasts, respiration, biochemistry and physiology of plant cells. Moreover, it covers the basic concepts of atmospheric transport and transformations of pollutants, and issues of global change and the use of science in air pollution policy formulation. It also emphasises about the effects of air pollutants in altering plant response to common stresses, both abiotic and biotic - fields by giving the focus on the physiology of plant. This book act as a valuable tool for students in Environmental Science, Biological Science and Agriculture. It will be unique to environmental consultants, researchers and other professionals involved in air quality and plant related research. During past few decades, air pollution and poor air quality have been the issues of common concerns. Degraded air has adverse effects on various system of plants by creating a stress which develops biochemical and physiological disorder in plants. Chronic diseases and/or lower yield have reported consequences of air pollution effect. A large number of biochemical and physiological parameters have been used to assess impact of air pollution on plant health. Photosynthetic machinery and respiratory system are the most affected domain of plants. However, the survival of plants depend on various internal and external factors such as plant community, types of air pollutants, geographical region, meteorological conditions and soil moisture etc. Plants respond to both biotic and abiotic stresses accordingly. Many tolerant plants survive easily even in higher air pollution region. Certain plant species absorbs selected gaseous air pollutants and hence plants are effective tool for air pollution remediation. .