

Special Issue

Advanced Monitoring and Control of Air Pollution: Sensors and Technologies for Environmental Protection

Message from the Guest Editors

Air pollution is one of the major problems affecting modern society; it is responsible for a very high number of premature deaths and causes partial or total disability for hundreds of millions of people. The effect of pollution on materials puts at risk the artifacts and works of art preserved in museums and art galleries. The effect of pollution on biological systems also extends to vegetation and is the main cause of the greenhouse effect and climate change. Unfortunately, technical and economic reasons do not allow us to have a precise picture of exposure to pollutants, especially due to the scarcity of tools capable of verifying the extent and distribution of air pollution in space and time. Achieving a greater understanding of the dynamics of pollution can be achieved through the development of innovative, reliable, and low-cost systems that can determine the levels of pollution caused by chemical species in the gaseous phase and in particulate matter.

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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