

Special Issue

Sensor-Based Systems for Environmental Monitoring and Assessment

Message from the Guest Editors

We are witnessing a continuous increase in the human population, which has led to a growth in agriculture, breeding, industrial activities, and energy consumption. This growth is strongly related to issues such as the reduction of air, water, and soil quality, which are essential to ensuring good health for humans and all living beings. Other issues of rising importance, particularly in large cities, are noise and light pollution, which affect mood and circadian rhythms in humans and animals. These challenges make it vital to develop advanced monitoring applications and devices to ensure compliance with regulations and mitigate harmful effects on the environment.

This Special Issue focuses on techniques that allow us to obtain information about the environment and living beings to carry out assessments and take countermeasures. Using sensors with secure networks and protocols is essential to transfer data for storage and analysis. This analysis can be performed manually or automatically using artificial intelligence or ad hoc algorithms, suitable for the concept of the computing continuum, targeted by European Commission KDT JU- and Chips JU-funded projects.

Guest Editors

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Message from the Editor-in-Chief

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.

Editor-in-Chief

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