



## Advanced Sensing Technologies for Environmental Monitoring Applications

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### Message from the Guest Editors

Environmental monitoring includes the measurement of the three main environmental matrices—air, water, soil—environmental noise and vibration, and the following materials: gases; drinking water, surface water, groundwater and wastewater; solid and liquid waste; human, plant and animal bodies as well as organs; and synthetic products. The most interesting measuring techniques are those that allow real-time automated measurements either in situ or remotely. Particularly challenging and requiring the development of new sensing solutions is the measurement of several chemical quantities and materials.

This Special Issue aims to provide an overview of current studies and achievements on advanced sensing technologies for environmental monitoring applications. Potential topics include but are not limited to the following:

- Data evaluation and assessment
- Instrumentation for environmental measurement
- Monitoring systems
- Remote sensing
- Sensors and actuators
- Standards for environmental measurements

**Keywords:** sensors; sensing techniques; environmental monitoring





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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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