

Special Issue

Smart Sensor Networks for Environmental Monitoring

Message from the Guest Editors

Recent advances and the maturity of Internet of Things (IoT)-enabling technologies have allowed the adoption of sensor networks for various applications. Monitoring networks are currently used to examine different environmental parameters, such as temperature or air quality, to carry out tasks such as hotspot detection and forecasting, among others. This Special Issue invites contributions featuring sensor network deployments for environmental monitoring, advanced sensor data-processing techniques, AIoT-based models, and more, including advanced techniques for sensor networks in environmental monitoring.

The recommended topics include, but are not limited to, the following:

- AI-powered sensor network deployment for environmental monitoring;
- Novel sensor data-processing techniques;
- AIoT for environmental monitoring;
- Data quality enhancement techniques;
- IoT deployment for environmental monitoring;
- Smart sensing techniques;
- Autonomous and automatic sensor network tools in environmental scenarios.

Guest Editors

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Deadline for manuscript submissions

closed (20 May 2026)



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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.

Editor-in-Chief

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