

## Special Issue

# IoT and Artificial Intelligence for Sustainable Environments

### Message from the Guest Editors

Artificial Intelligence (AI) enables sustainable development by addressing environmental, social, and economic challenges. However, AI's own energy use and carbon footprint raise sustainability concerns. Sensors and IoT infrastructures are central to this dual perspective, as they provide real-time data to monitor environments, assess resource efficiency, and optimize AI-driven decisions.

By capturing granular data from climate, urban, agricultural, and industrial systems, IoT devices, combined with AI and visualization, support predictive analytics, transparency, and informed decision-making. This integration is key to developing next-generation sustainable solutions, from reducing AI's carbon footprint to enabling circular economies.

This Special Issue invites contributions exploring the intersection of AI, data visualization, sustainability, and IoT-enabled data ecosystems, with emphasis on sensor-based applications. Submissions may present innovative techniques, frameworks, or case studies.

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### Guest Editors

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### Deadline for manuscript submissions

30 November 2026



## Sensors

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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.

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