

Special Issue

Remote Sensors for Climate Observation and Environment Monitoring

Message from the Guest Editor

This Special Issue aims to spotlight innovative research and novel applications of remote sensing that directly contribute to building environmental resilience and enabling localized responses to climate change and ecological disturbances.

We welcome submissions that address less-studied or novel domains, including but not limited to the following:

- Remote sensing for microclimate monitoring and urban heat mitigation;
- Community-scale flood prediction and adaptation planning;
- Sensor-driven tracking of ecosystem recovery after extreme events;
- Coastal vulnerability mapping and sea-level rise assessment in small communities;
- Agricultural adaptation to climate variability using sensor fusion;
- Novel remote sensing applications in mountainous, polar, or island ecosystems.

Emphasis will be placed on studies that integrate cutting-edge sensor technologies with advanced analytical frameworks—such as AI-driven interpretation, data fusion techniques, or hybrid modeling—to support climate adaptation, sustainability planning, and informed decision-making at the local level.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

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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