

Special Issue

Sensor Technologies and Earth Observation Data for Soil Landscape Modeling

Message from the Guest Editors

This growing field calls for a comprehensive exploration of methodologies, applications, and innovations to inform both scientific progress and practical solutions.

This Special Issue invites original research and review articles that explore the role of sensor technologies and Earth observation data in soil landscape modeling in *Sensors* scope. Contributions addressing, but not limited to, the following themes are welcome:

- Low-altitude aerial imaging with UAVs for soil characterization;
- Integration of multispectral, hyperspectral, and thermal imaging for soil mapping;
- Sensor fusion techniques for multi-source Earth observation data;
- Remote sensing applications in soil degradation and erosion modeling;
- Machine learning and AI-driven approaches in soil data analysis;
- Innovative methods for examining soil-related hazards, such as erosion, salinization, and desertification;
- Spatial modeling of soil-based hazards to assess risks;
- Utilizing GIS and artificial intelligence in digital soil mapping for accurate soil classification and prediction.

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Deadline for manuscript submissions

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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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