

## Special Issue

# Remote Sensing Applications for Environmental Monitoring and Land Changes

### Message from the Guest Editors

This Special Issue invites original research and review papers that explore the latest advancements in AI-driven remote sensing, multi-sensor data fusion, and environmental monitoring applications. Research areas may include (but not limited to) the following:

- Satellite and UAV-based remote sensing for environmental assessment;
- Machine learning and deep learning applications in land-use change detection;
- Hyperspectral and multispectral imaging for vegetation, soil, and water quality monitoring;
- LiDAR and radar remote sensing for topographic and landscape changes;
- Climate change impacts on land cover as observed through remote sensing;
- Urban expansion and land degradation mapping using remote sensing techniques;
- Integration of remote sensing with GIS and geostatistical modeling;
- Novel approaches in remote sensing data fusion for multi-scale environmental monitoring;
- Policy-driven applications of remote sensing in sustainable land management.

This Special Issue will bridge technological advancements with real-world applications in remote sensing for environmental sustainability.

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### Guest Editors

Dr. Krystyna Michałowska

Dr. Ewa Glowienka

Prof. Dr. Eva Savina Malinverni

Prof. Eufemia Tarantino

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### Deadline for manuscript submissions

31 October 2025



## Remote Sensing

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Impact Factor 4.1  
CiteScore 8.6



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## About the Journal

### Message from the Editor-in-Chief

*Remote Sensing* is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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### Editor-in-Chief

Dr. Prasad S. Thenkabail

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