

Special Issue

Advances in High-Resolution Satellite Remote Sensing Image Processing and Classification

Message from the Guest Editors

The special issue welcomes the following topics but not limited to:

- Geometric and radiometric processing of high-resolution satellite remote sensing images;
- Registration and fusion of multi-source and multi-modal satellite remote sensing images;
- High-precision and high-quality 3D reconstructions of satellite remote sensing images
- Object extraction and accuracy evaluation in 3D reconstruction;
- Deep learning methods for satellite image processing and interpretation;
- Enhancement and super-resolution reconstruction for satellite remote sensing images
- Segmentation and clustering of satellite remote sensing images
- Automation in thematic map production (e.g., spatial and temporal pattern analysis, change detection);
- New satellite camera calibration, orientation, and 3D reconstruction;
- Change detection in complex environments (e.g., farmlands, buildings);
- Fine extraction of main food crops;
- Monitoring of phenological periods using satellite remote sensing images.

Guest Editors

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Dr. Arnab Muhuri

Deadline for manuscript submissions

closed (10 May 2025)



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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.

Editor-in-Chief

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