

Special Issue

Advances in Synthetic Aperture Radar (SAR) Imaging and Signal Processing Technologies

Message from the Guest Editors

This Special Issue will focus on innovations and breakthroughs in SAR signal and image processing methodologies. Specifically, it includes (but is not limited to) novel imaging modes, advanced signal processing methods, intelligent image interpretation approaches, and their innovative applications across diverse sectors. Potential topics for this Special Issue include, but are not limited to, the following:

- Novel SAR 2D/3D/4D Imaging;
- SAR System and Waveform Design;
- Polarimetric SAR and application;
- Image classification and target detection/recognition methods for SAR;
- SAR Image Quality Enhancement and Evaluation;
- Multi-Dimensional SAR Data Processing;
- Interferometric/tomography SAR technique and application in 3D mapping;
- Fusion and Interpretation of SAR Data with Other Remote Sensing Data;
- Other related topics.

Guest Editors

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Deadline for manuscript submissions

closed (15 May 2026)



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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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