Special Issue

SAR Images Processing and Analysis (2nd Edition)

Message from the Guest Editors

Synthetic aperture radar (SAR) sensors are widely used in remote sensing applications for their all-day and all-weather imaging ability. In recent years, a vast amount of research has been conducted for processing SAR images. To name several uses, polarimetric target decomposition decomposes the pixel-derived polarimetric SAR data into multiple components with physical characteristics. Further, they can be utilized in advanced InSAR, PSInSAR, and TomoSAR approaches for various displacement monitoring scenarios. Additionally, machine learning and deep learning methods have use in SAR image interpretation. This Special Issue aims to include the recent developments in processing methods and analysis tailored to SAR images. We look forward to original submissions related, but not necessarily restricted to:

- Pre-processing of SAR images;
- PolSAR image processing;
- Advanced InSAR, DInSAR, PSInSAR, TomoSAR technologies;
- SAR image time series processing;
- Machine learning and deep learning methods for SAR images;
- Inverse SAR imaging;
- SAR image simulation;
- Application of SAR images.

Guest Editors

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Deadline for manuscript submissions

closed (31 May 2025)

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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.

Editor-in-Chief

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