

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

Dr. Qian Song

Dr. Xiao Wang

Dr. Feng Wang

Dr. Oleg Antropov

Deadline for manuscript submissions

closed (31 May 2025)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/193219

Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)





Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)



About the Journal

Message from the Editorial Board

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.

Editors-in-Chief

Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

Prof. Dr. Dongdong Wang

Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank:

JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)