

Special Issue

Advances in Synthetic Aperture Radar (SAR) Signal and Image Processing

Message from the Guest Editors

Synthetic Aperture Radar (SAR), as an active microwave imaging system, has been increasingly applied in domains such as environmental and Earth monitoring, ocean resource utilization, battlefield perception, and reconnaissance. Numerous types of electronic technologies, such as Terahertz technology and Microwave photonics technology, make SAR systems have a higher range and azimuth bandwidth, which improves the accuracy of remote sensing data; The maturity of platform technologies such as small satellites and drones make multiple SAR payloads can form a distributed or clustered SAR system on these platforms, which enriches the means of obtaining microwave remote sensing data. This Special Issue aims to collect and highlight outstanding contributions that cover “Advances in Synthetic Aperture Radar Signal and Image Processing”, including but not limited to the following:

- SAR target scattering characteristic analysis
- SAR motion error estimation and compensation
- The multistatic SAR synchronization method
- Combination of artificial intelligence techniques
- SAR target information extraction and fusion
- SAR high-resolution imaging
- 3D SAR imaging
- Video SAR imaging

Guest Editors

Dr. Zhongyu Li

Dr. Hongyang An

Dr. Yan Wang

Prof. Dr. Shiyang Tang

Prof. Dr. Alin Achim

Deadline for manuscript submissions

29 November 2024



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 8.3



mdpi.com/si/191290

Remote Sensing
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 4.2
CiteScore 8.3



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



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

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

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)