



an Open Access Journal by MDPI

## Radar Imaging Theory, Techniques, and Applications

Guest Editors:

**Prof. Dr. Kun-Shan Chen**

College of Geomatics and  
Geoinformation, Guilin University  
of Technology, Guilin 541004,  
China

**Prof. Dr. Saibun Tjuatja**

Department of Electrical  
Engineering, The University of  
Texas at Arlington, Arlington, TX  
76019, USA

**Dr. Xiaofeng Li**

NCWCP - E/RA3, 5830 University  
Research Court, College Park, MD  
20740, USA

Deadline for manuscript  
submissions:

**closed (31 December 2018)**

### Message from the Guest Editors

This Special Issue focuses on reporting new imaging theory and novel techniques, and their interplay, in a wide frequency region, and, perhaps, equally imperative, on better usage of images and new applications. The issue covers a broad, but comprehensive, treatment of subjects closely-related to the imaging of objects to random media by means of theory modeling, numerical simulation, and laboratory measurements. Papers on applications to interpret and thus to exploit the target features, and all the way to detect, to identify, and perhaps to recognize the targets of interest, with aids of deep learning algorithms are welcome. Pioneering works from internationally-recognized experts are invited to this well-focused issue. Contributions are welcome for the following topics (but are not limited to them):

- Scattering theory related to radar imaging
- Approximations and numerical techniques
- Active and passive imaging techniques
- Image formation, focusing, and enhancement
- Advanced feature extraction techniques
- Information content and image quality assessment
- Novel algorithms for target detection, classification, identification, and recognition



[mdpi.com/si/12545](https://mdpi.com/si/12545)

# Special Issue



an Open Access Journal by MDPI

## 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

## 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.

## 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*)

## Contact Us

*Remote Sensing* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/remotesensing](http://mdpi.com/journal/remotesensing)  
[remotesensing@mdpi.com](mailto:remotesensing@mdpi.com)  
[X@RemoteSens\\_MDPI](https://twitter.com/RemoteSens_MDPI)