

## Special Issue

# Remote Sensing Applications of Image Denoising and Restoration

### Message from the Guest Editors

This Special Issue (SI) aims to address these problems by providing a variety of contributions focused on the application of image denoising and restoration in remote sensing data analysis. Additionally, the SI promotes the use of image denoising and restoration as preprocessing step for further remote sensing data processing. The SI's contributions include (but are not limited to) remote sensing applications of the following topics:

- Mixed noise reduction for hyperspectral images;
- Despeckling for synthetic aperture radars;
- Destriping for optical imagery;
- Image inpainting;
- Drone-borne sensor restoration and image denoising;
- Advanced image processing for restoration and denoising;
- Advanced machine learning and deep learning techniques for image restoration and denoising;
- Artifacts removal from remote sensing data, including ground-, drone (UAV)-, aerial-, and space-based measurements;
- Image demosaicking for remote sensing data;
- The application of image denoising and restoration for classification, land-cover mapping, super-resolution and sharpening, unmixing, target detection, change detection, multitemporal remote sensing analysis, and data fusion.

### Guest Editors

Dr. Behnood Rasti

Prof. Dr. Paul Scheunders

Prof. Dr. Pedram Ghamisi

### Deadline for manuscript submissions

closed (17 July 2021)



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/32469](https://mdpi.com/si/32469)

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