



## Optical Aerial Image Segmentation

Guest Editors:

**Prof. Dr. Artem V. Nikonorov**

Department of Supercomputers  
and General Informatics, Samara  
National Research University,  
443086 Samara, Russia

**Dr. Sildomar T. Monteiro**

Department of Electrical and  
Microelectronic Engineering,  
Rochester Institute of  
Technology, Rochester, NY 14623,  
USA

Deadline for manuscript  
submissions:

**closed (31 July 2021)**

### Message from the Guest Editors

In recent times, the rapid development of remote sensing techniques has significantly increased the quantity and quality of remote sensing images available to characterize various objects on the Earth's surface, such as buildings and streets, airplanes and vessels, etc. This continues to push research in the area of airborne image segmentation and related topics and plays a basic role in remote sensing image interpretation and different applications. This Special Issue will cover new developments and recent advances in the design of conventional and deep-learning-based methods for segmentation, releases of new datasets, interpretation, applications, and performance evaluation of aerial image segmentation based on different remote sensing platforms. Original research work, letters, and review papers based on theoretical, numerical, and experimental data are welcomed in this 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, Grosspeteranlage 5  
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)