



## Advanced Deep Learning Strategies for the Analysis of Remote Sensing Images

Guest Editors:

**Prof. Dr. Yakoub Bazi**

College of Computer and  
Information Sciences, King Saud  
University, Riyadh, Saudi Arabia

**Dr. Edoardo Pasolli**

Department of Agricultural  
Sciences, University of Naples  
Federico II, Naples, Italy

Deadline for manuscript  
submissions:

**closed (30 November 2020)**

### Message from the Guest Editors

This Special Issue welcomes papers that explore novel and challenging topics for the analysis of remote sensing images acquired with diverse platforms. Welcome topics include but are not limited to the following:

- Semantic segmentation;
- Domain adaptation from single and multiple sources;
- Continual learning;
- Exploration of the relationship between natural language and remote sensing images (bidirectional text to image retrieval, image captioning, visual question answering);
- Crowd estimation in UAV imagery;
- Image generation and conversion using generative adversarial networks.





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)