

## Special Issue

# New Tools or Trends for Large-Scale Mapping and 3D Modelling (Second Edition)

### Message from the Guest Editors

Topographic surveys are used to capture the shape of the earth's surface, which provide the information needed for 2D or 3D representations. Large-scale topographic maps are essential for (a) the design and construction of the infrastructure in the urban and rural areas, (b) vegetation analysis and monitoring, (c) 3D and city modelling, and (d) general-purpose mapping. Remote sensing tools have shown their efficacy in exploring the natural, human, and social systems at unprecedented resolutions. The recent developments in remote sensing sensors have opened the door for the high-quality, large-scale mapping of our environment, 3D/city modelling, as well as many useful applications such as infrastructure monitoring and crack measurement.

This is the second volume of the Special Issue of Remote Sensing on "New Tools or Trends for Large-Scale Mapping and 3D Modelling". In this Special Issue, we aim to compile research articles that address various aspects of large-scale mapping and 3D modelling with remote sensing sensors from field data acquisition used to map or 3D-model, and their applications. Review contributions and papers describing new sensors/concepts are also welcomed.

---

### Guest Editors

Prof. Dr. Tarig Ali  
Prof. Dr. Jorge Delgado García  
Dr. Fayez Tarsha Kurdi

---

### Deadline for manuscript submissions

29 March 2026



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/196425](https://mdpi.com/si/196425)

*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 Editorial Board

*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.

---

### Editors-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

Prof. Dr. Dongdong Wang

Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

---

### 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)