



Remote Sensing and SAR for Building Monitoring

Guest Editors:

Dr. Yonas Zewdu Ayele

Institute for Energy Technology,
Høgskolen i Østfold, Halden,
Norway

Dr. Wen Liu

Graduate School of Engineering,
Chiba University, Chiba 263-8522,
Japan

Deadline for manuscript
submissions:

closed (30 September 2024)

Message from the Guest Editors

Building monitoring using remote sensing data plays an important role in urban planning, disaster management, navigation, the updating of geographic databases, and other geospatial applications. The rapid development of image processing techniques and easily available very-high-resolution multispectral, hyperspectral, LiDAR, SAR, and UAS remote sensing images have further boosted research on building-extraction-related topics. Of particular note, in recent years, many research institutes and associations have provided open source datasets and annotated training data to meet the demands of advanced artificial intelligence models, bringing new opportunities to develop advanced approaches to building extraction and monitoring.

In addition to building masks, more research has arisen on the automatic generation of 2/3 building models from remote sensing data. This Special Issue aims to feature cutting-edge methodologies and applications.





an Open Access Journal by MDPI

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

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.

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

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)