remote sensing

IMPACT FACTOR 5.0

CITESCORE 7.9

an Open Access Journal by MDPI

Photogrammetric Computer Vision in Remote Sensing

Guest Editors:

Dr. Roland Perko

Dr. Manuela Hirschmugl

Dr. Yilei Shi

Prof. Dr. Peter M. Roth

Deadline for manuscript submissions:
closed (31 January 2024)

Message from the Guest Editors

Dear Colleagues,

Many applications in the field of remote sensing can only be solved by incorporating methodologies from the fields of photogrammetry and computer vision. In short, remote sensing can be defined as analyzing images of the Earth and other planets, photogrammetry as the art of measuring from images, and computer vision as gaining semantic understanding from images. Thus, this Special Issue aims to collect papers on photogrammetry and computer vision to yield enhanced and custom-tailored performance for remote sensing applications. Submitted manuscripts should mainly focus on novelties introduced through recent approaches that link photogrammetry, computer vision, and remote sensing, for example, with the following topics:

- 3D remote sensing with SAR and optical sensors
- Discrete 3D representation of the Earth's surface
- Digital Twin Earth
- Digital surface, elevation, and terrain models (DSMs, DEMs, DTMs)
- Land cover and land use classification
- City modeling
- Carbon reporting
- Food systems
- Change monitoring
- Glacier observation
- Coastal mapping
- Disaster damage mapping

remote sensing

IMPACT FACTOR 5.0

CITESCORE 7.9

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

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
𝕏@RemoteSens_MDPI