remote sensing

IMPACT FACTOR 4.2

CITESCORE 8.3

an Open Access Journal by MDPI

Land Use/Cover Mapping and Trend Analysis Using Google Earth Engine

Guest Editors:

Dr. Yuanheng Sun
Environmental Information Institute, Navigation College, Dalian Maritime University, Dalian 116026, China

Dr. Huazhong Ren
Institute of Remote Sensing and Geographic Information System, School of Earth and Space Sciences, Peking University, Beijing 100871, China

Dr. Chengye Zhang
College of Geoscience and Surveying Engineering, China University of Mining & Technology, Beijing 100083, China

Deadline for manuscript submissions:
31 December 2024

Message from the Guest Editors

The integration of remote sensing and geospatial analysis through cloud-based platforms such as Google Earth Engine (GEE) has revolutionized our ability to monitor and understand land change dynamics at regional to global scales. By providing programmatic access through user-friendly JavaScript or Python APIs to petabytes of satellite imagery (e.g., MODIS, Landsat, and Sentinel) and geospatial datasets (e.g., geophysical, climate, and weather data), GEE empowers researchers with new opportunities to derive insights from multi-temporal and multi-source data.

This Special Issue aims to highlight the innovative applications of GEE in the realms of land use/cover mapping and relative trend analysis. Original research articles and review papers showcasing novel methodologies, case studies, or syntheses of GEE applications are welcome, and we encourage contributions that traverse a broad range of applications, including but not limited to:

-Vegetation mapping and pattern analysis;

-Trends analysis of vegetation biophysical parameters (e.g., LAI and chlorophyll content);

-Urban expansion and thermal environment monitoring;

-Coastal change detection;

-Ecological impact evaluation.

mdpi.com/si/192502

remote sensing

IMPACT FACTOR 4.2

CITESCORE 8.3

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

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