

## Special Issue

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

### 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.

### Guest Editors

Dr. Yuanheng Sun

Dr. Huazhong Ren

Dr. Chengye Zhang

### Deadline for manuscript submissions

closed (31 December 2024)



## Remote Sensing

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Impact Factor 4.1  
CiteScore 8.6



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*Remote Sensing*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[remotesensing@mdpi.com](mailto:remotesensing@mdpi.com)

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### 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.

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### 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

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