



## Remote Sensing Applications in Land Use and Land Cover Monitoring

Guest Editors:

**Dr. Sananda Kundu**

Department of Geography,  
Manipur University, Canchipur,  
Imphal 795003, Manipur, India

**Dr. Arun Mondal**

School of Earth, Ocean and  
Environment, University of South  
Carolina, Columbia, SC 29208,  
USA

Deadline for manuscript  
submissions:

**closed (26 April 2024)**

### Message from the Guest Editors

Research in land use and land cover (LULC) change at a global scale has become important with the increased human intervention impacting the use of natural resources as well as future changes associated with it. LULC changes are also becoming increasingly dominant in environment and climate change studies. Moreover, the influence of LULC changes on various factors, such as alterations in the hydrological processes, ecosystems, climate, urban areas, etc., has been the focus of many research works for years.

This SI is aimed at collecting methodological contributions and land use modeling using various RS techniques and emphasizing the integration of LULC change with other associating factors. The main focus areas include (but are not limited to):

Remote sensing and in situ observation and land use change; Use of hybrid data and methodology for high LULC accuracy; Land use degradation and land suitability; Machine learning algorithms using satellite data; Climate change impact on LULC/agriculture and future projection; Application on agriculture, forest, water resources, urban area studies, etc.; Integrated LULC–hydrology–crop production.





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](http://www.mdpi.com)

[mdpi.com/journal/remotesensing](http://mdpi.com/journal/remotesensing)  
[remotesensing@mdpi.com](mailto:remotesensing@mdpi.com)  
[X@RemoteSens\\_MDPI](https://twitter.com/RemoteSens_MDPI)