

Special Issue

Global Biospheric Monitoring with Remote Sensing (2nd Edition)

Message from the Guest Editor

The aim of this Special Issue is to explore advancements in global biospheric monitoring using remote sensing techniques, with a focus on vegetation and ecosystem analysis. We welcome submissions that showcase innovative methodologies, applications, and case studies related to the evaluation of the biosphere. We welcome research articles, reviews, and empirical studies that address the following topics:

- Remote sensing techniques for monitoring vegetation health and biomass across different ecosystems;
- The assessment of land cover changes and their impacts on biodiversity and ecosystem services using remote sensing data;
- The mapping and evaluation of carbon sequestration in terrestrial ecosystems through remote sensing methodologies;
- The monitoring of phenological changes in vegetation and their implications for ecosystem functioning using remote sensing;
- The integration of remote sensing data with ground-based observations to enhance our understanding of plant diversity and ecological interactions.

Guest Editor

Dr. Ram Avtar

Graduate School of Environmental Science, Hokkaido University,
Sapporo, Japan

Deadline for manuscript submissions

15 January 2026



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/228028

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

[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)





Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)



About the Journal

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.

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

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)