

Special Issue

Impacts of Climate Change on Water Cycle and Terrestrial Ecosystems by Remote Sensing

Message from the Guest Editors

By fostering multidisciplinary discussions and embracing diverse methodological approaches, this Special Issue will offer transformative insights into the dynamic interplay between climate change, water cycle dynamics, and terrestrial ecosystems using remote sensing technologies. Our goal is to pave the way for effective strategies to safeguard our planet's environmental integrity and encourage submissions that address current gaps in the literature or propose novel applications of remote sensing technologies. We invite original research articles, reviews, technical notes, and communications that contribute to the advancement of knowledge in this field. Topics of interest include, but are not limited to, the following:

- Remote sensing applications in monitoring changes in water cycle components;
- Assessment of climate change's impacts on terrestrial ecosystems using remote sensing data;
- Analysis of ecological responses to climate change using remote sensing technology;
- Innovative remote sensing methodologies for studying climate change's effects on hydrology, water resources, and terrestrial ecosystems.

Guest Editors

Dr. Chun-Yu Dong

Prof. Dr. Xufeng Wang

Dr. Chang Huang

Deadline for manuscript submissions

28 February 2025



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 8.3



mdpi.com/si/213173

Remote Sensing
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 4.2
CiteScore 8.3



[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)