



Monitoring Forest Carbon Sequestration with Remote Sensing

Guest Editors:

Prof. Dr. Huaqiang Du

Prof. Dr. Wenyi Fan

Prof. Dr. Mingshi Li

Dr. Weiliang Fan

Dr. Fangjie Mao

Deadline for manuscript
submissions:

closed (15 December 2022)

Message from the Guest Editors

Dear Colleagues,

The forest, as the main body of the terrestrial ecosystem, has a huge carbon sink function and plays an important role in coping with global climate change. This Special Issue on “Monitoring forest carbon sequestration with remote sensing” mainly focuses on new remote sensing theories, methods, and technologies for monitoring carbon sinks in forest ecosystems (including urban forest ecosystems) and calls for papers that present original research on the following broad topics:

1. Application of new remote sensing techniques to estimate forest aboveground biomass carbon storage and soil carbon storage.
2. Coupling remote sensing and ecosystem models to simulate the carbon cycle of a forest ecosystem.
3. Application of new sensors or algorithms to retrieve vegetation parameters closely related to forest carbon sink functions, such as leaf area index, tree height, chlorophyll, maximum rate of rubisco carboxylase activity, sun-induced chlorophyll fluorescence, forest age, etc.
4. Integration of multi-temporal or multi-sensor data to detect dynamic changes in and disturbances of forest resources.





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, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)