



Vegetation Dynamics Revealed by Remote Sensing and Its Feedback to Regional and Global Climate

Guest Editors:

Dr. Xuejia Wang

Dr. Tinghai Ou

Dr. Wenxin Zhang

Prof. Dr. Youhua Ran

Deadline for manuscript
submissions:

closed (31 May 2022)

Message from the Guest Editors

Vegetation is an important and sensitive indicator of climate and environment evolutions, underscoring the need to better detect and understand vegetation physiological and phenological responses, analyze mechanisms of how changes in land surface properties (e.g. surface albedo and roughness length) are associated with vegetation dynamics, and identify climate and ecological feedbacks of vegetation changes. The recent development of satellite remote sensing and its derived products provide great opportunities to study vegetation dynamics and its feedback to regional and global climate system.

For this Special Issue, contributions are sought which demonstrate the application of a variety of high-resolution satellite data, global and regional numerical models, and machine learning methods to obtain the fine classification of vegetation, detect vegetation dynamic changes, and examine interactions between vegetation and climate/ecological systems, especially for high-latitude and high-altitude regions.





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)