



an Open Access Journal by MDPI

Enhancing Vegetation and Water Use Management through Earth Observation

Guest Editors:

Message from the Guest Editors

Prof. Dr. Fei Zhang

Dr. Xiaoping Wang

Dr. Brian Alan Johnson

Dr. Xu Ma

Deadline for manuscript submissions: **15 October 2024**

Remote sensing plays a vital role in monitoring vegetation dynamics and managing water resources by providing comprehensive spatial and temporal information. These technologies enable rapid and precise assessments, facilitating informed decision-making for sustainable land and water management practices. This special issue aims to explore the latest satellite technologies for monitoring regional vegetation and water resources. Topics of interest span spatial and temporal variations in regional water resources (e.g., precipitation, groundwater, runoff, lake water, soil water content, etc.) and vegetation attributes (e.g., coverage rate, leaf area index, and biomass), alongside investigations into the coupling mechanism of regional water resources and vegetation.

Thus, we invite contributions exploring multi-source remote sensing data integration, multi-scale methodologies, and studies focused on vegetation and water use management, among other issues.

The special issue is focused on the following: vegetation health, water availability, vegetation stress, drought sustainable water management, agricultural water, multisource data integration, leaf area index, biomass.





mdpi.com/si/202802





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