Special Issue

Enhancing Vegetation and Water Use Management Through Earth Observation

Message from the Guest Editors

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 decisionmaking 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, multi-source data integration, leaf area index, biomass.

Guest Editors

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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 peerreview 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

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