# Special Issue

## Remote Sensing Applications in Hydrology and Water Resources Management

### Message from the Guest Editors

This Special Issue aims to bridge these research gaps by highlighting diverse case studies that employ advanced remote sensing applications. We welcome contributions that explore the use of remotely sensed data from various platforms such as UAVs and airborne and satellite sensors in estimating hydrological processes. We are particularly focused on studies that demonstrate the integration of these remote sensing insights into robust models suitable for local or regional water resource management. By presenting this collection, we hope to stimulate interdisciplinary dialogue, promote scientific advancement, and advocate for sustainable water management strategies using remote sensing in our changing world. Topics of interest may include, but are not limited to, the following: Applications in monitoring and managing surface and groundwater using remote sensing; Remote sensing for water resource management; Water availability assessment and prediction using satellite data; Estimation of evapotranspiration and runoff through remote sensing; Integration of remote sensing data with hydrological models; Impactful case studies on remote sensing applications in water resource management.

### Guest Editors

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Dr. Yun Yang

Dr. Ge Sun

Dr. Gabriel Senay

### Deadline for manuscript submissions

31 January 2026

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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 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
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