

## Special Issue

# Recent Advances in Water Resources and Water Environmental Monitoring with Remote Sensing Techniques

### Message from the Guest Editors

With the rapid development of remote sensing technology and artificial intelligence, many novel technologies and methods have emerged regarding the application of water quality, water quantity and hydrology monitoring. This Special Issue aims to present studies that address the various uses of remote sensing data and techniques in water quality, water quantity and hydrology monitoring. The scope of this Special Issue includes, but is not limited to, the following:

- Intelligent estimation method of water level and water volume.
- Deep learning for hydrology
- Data-driven hydrologic process learning.
- Intelligent extraction of waters with remote sensing images.
- Inversion models of water quality parameters.
- Detection and analysis of water changes with remote sensing images.
- Water pollution identification with remote sensing images.
- Novel application of remote sensing techniques in water resources and water environment monitoring.
- Deep learning and large model applied to water resources and water environment monitoring.
- Novel application of geographic information systems in water resources and environmental monitoring.

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### Guest Editors

Prof. Dr. Xuchu Yu

Dr. Bing Liu

Dr. Qingyu Li

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### Deadline for manuscript submissions

closed (15 March 2025)



## Remote Sensing

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Impact Factor 4.1  
CiteScore 8.6



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## About the Journal

### 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.

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### Editor-in-Chief

Dr. Prasad S. Thenkabail

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