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The Use of Remote Sensing Data in Water Resources Management: Current Challenges and Future Opportunities

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Message from the Guest Editors

Water resources (e.g., surface water and groundwater) are vulnerable to both natural and man-made variabilities. Monitoring the responses of water resources to these variabilities is more challenging than ever before. The field data that are required for monitoring programs are spatially limited, expensive, and time-consuming. Remote sensing data (visible, thermal, and radar) complement and/or can provide an alternative to field data given their global coverage, public availability (for the most part), and spatial and temporal consistency. However, there are challenges and limitations in the use of remote sensing data in monitoring water resources on both local and global scales.

This Special Issue covers data analysis techniques, applications, and limitations of remote sensing data in monitoring water resources and their response to natural and anthropogenic forces. We encourage submissions of high-impact research in the form of new research articles, methodology articles, and review articles that addresses current challenges and future opportunities in the use of remote sensing data in monitoring water resources across local and global scales.

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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.

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