

Special Issue

Recent Advantages in Monitoring Inland Water Using Various Sources of Remote Sensing Imagery from Space

Message from the Guest Editors

Multi-source remote sensing imagery have advanced the monitoring of inland surface water at very high spatial and temporal resolutions. However, due to the sensors' limitations and the environment's complexity, there are challenges in monitoring inland water. Many advanced techniques, including artificial intelligence, image fusion, deep learning, image super-resolution, and gap filling, have been proposed to monitor inland water and analyse the spatiotemporal patterns of surface water. The main goal of this Special Issue is to address advanced topics related to:

- Advanced machine learning and deep learning methods in monitoring inland water;
- The monitoring of water bodies with increased spatiotemporal resolutions based on data fusion;
- Monitoring water bodies based on MODIS, Landsat, Sentinel, PlanetScope, etc.;
- The spatiotemporal mapping of floods;
- Mapping typical small water bodies in different regions;
- Water-body-related DEM and surface water occurrence studies;
- The impact of climate change and human activities on inland water bodies.

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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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