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Monitoring and Mapping Inland and Coastal Water Dynamics Based on Landsat Data

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Deadline for manuscript submissions:
closed (30 March 2024)

Message from the Guest Editors

Monitoring and mapping inland and coastal water dynamics via remote sensing techniques provide critical support for environmental studies. This Special Issue aims to archive a collection of original research articles and comprehensive reviews focusing on the utility of the Landsat program in monitoring and mapping inland and coastal water dynamics, with a specific focus on the following topics (all stated on the SI website):

- Dynamics of water quantity and quality in coastal environments, lakes, rivers, and reservoirs at regional and global scales, and their relationships to anthropogenic and climatic drivers;
- Dynamics of algal biomass, organic and inorganic suspended solids, and colored dissolved organic matter in inland and coastal waters;
- Analysis of long-term trends focusing on the impact of land use/landcover change and climate change; Use of Landsat data in cloud computing platforms such as Google Earth Engine, Amazon Web Services, etc.;
- Utility of machine and deep learning algorithms;
- Correction and fusion techniques to increase information content;
- Challenges and limitations in spectral, spatial, and temporal coverage of Landsat platforms; etc.

mdpi.com/si/160314

Special Issue

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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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