Remote Sensing and Artificial Intelligence in Inland Waters Monitoring

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Message from the Guest Editors

Remote sensing technologies and conjunction with in situ data can be used to reflect the spatial distribution and dynamic changes in water quality and quantity. Owing to the high frequency of data acquisition, large-scale coverage and different types of sensors combined with artificial intelligence and cloud computing can be used to understand complex and interconnected changes in aquatic environments.

Special Issue focuses on papers describing how to improve inland water monitoring in terms of accuracy, and frequency, and add user value to derived data from remote sensing. In particular, this issue was designed to highlight currently applied research using optical, thermal and radar satellite images, LiDAR and UAV data, in situ instrumentation, GeoAI, deep and machine-learning algorithms, cloud computing, and big data processing application to better understand the current status and prevent feature degradation of water resources. Potential topics include, but are not limited to the following:

- Water flow dynamic monitoring;
- Remote sensed monitoring of water quality parameters;
- Water surface level monitoring;
- GeoAI;
- Plastic pollution;
- Time-series analysis.

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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