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Remote Sensing for Forecasting and Monitoring Aquatic Systems

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Deadline for manuscript submissions:
closed (25 February 2026)

Message from the Guest Editors

Dear Colleagues,

Monitoring and forecasting water dynamics are fundamental tools for managing aquatic systems and improving our knowledge of their processes. In the last decade, the availability of data from remote sensing of satellites, such as the Copernicus constellation and the DIAS platforms, on-board plane cameras, and onsite low-cost cameras, has promoted the development of multiple monitoring and forecasting systems for water applications.

This Special Issue will bring together innovative works related to “Remote Sensing for Forecasting and Monitoring Aquatic Systems”, addressing several key issues that include but are not limited to the following:

- Remote sensing from satellites, plane or UAVs, and onsite cameras for water systems dynamics
- Integrated forecast tools using remote sensing
- WebGIS platforms for remote sensing-based monitoring and forecasting
- Data fusion for satellite, in-situ, and camera data

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Message from the Editor-in-Chief

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