# Special Issue

# Monitoring Water Resources and Hydraulic Infrastructure with GNSS, InSAR, GRACE and SWOT Satellite Observations

#### Message from the Guest Editors

This Special Issue focuses on monitoring water resources and hydraulic infrastructure using modern technologies. We welcome contributions that present novel algorithms for integrating multi-satellite geodesic observations (GNSS, InSAR, GRACE, SWOT), support satellite-based flood forecasting and assessment, introduce open-source software for modeling hydraulic systems, advance groundwater and drought monitoring via multi-satellite observations, and enhance remote sensing applications for infrastructure diagnostics. This Special Issue aims to showcase innovative approaches that enhance the monitoring, management, and sustainability of water resources and hydraulic infrastructure through the integrated use of multisatellite observations. Potential topics include, but are not limited to, the following:

- Novel algorithms for water resources and hydraulic infrastructure with GNSS, InSAR, GRACE and SWOT observations.
- Satellite-supported flood forecasting and assessment.
- Open-source software for modeling water resources and hydraulic infrastructure.
- Groundwater and drought monitoring with multisatellite observations.
- Remote sensing of hydraulic infrastructure monitoring.

#### **Guest Editors**

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### Deadline for manuscript submissions

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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 peerreview 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.

#### Editor-in-Chief

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