



## Challenges and Perspectives of Remote Sensing Techniques for Water Resources Assessments and Solutions

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### Message from the Guest Editors

Today, water management decisions largely depend on instrumental observations, where remotely sensed information currently plays a major role. Given the inherent multidisciplinary characteristics of the water sector, we welcome contributions from both users of remote sensing products and developers of measurement methods, processing techniques and related field experiments. We welcome contributions about quantitative and qualitative observations of inland, coastal, and groundwater bodies, including the land-sea interface and coastal processes, with particular focus on all the aspects that support resource monitoring and decision-making.

Articles may address, but are not limited to, the following topics:

- Remote sensing of rivers, lakes and reservoirs
- Remote sensing in the coastal zone
- New generation of hyperspectral sensors
- Detection of shoreline changes
- Remote sensing of hydraulic infrastructures
- Agricultural water and land use
- Groundwater assessment and aquifer storage estimation
- Monitoring natural resources over time
- Assessment of water bodies sustainability and their bathymetry
- Remote sensing in coastal structures management





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## Message from the Editor-in-Chief

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