



## Integrating GIS and Remote Sensing for Sustainable Water Management in a Changing Climate

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### Message from the Guest Editors

The integration of Geographic Information Systems (GISs) with remote-sensing technologies for sustainable water management has been revolutionized under the pressures of climate change. This Special Issue aims to explore cutting-edge research and practical applications related to these technologies and their ability to address the multifaceted challenges associated with water management. It will focus on interdisciplinary studies that implement GIS and remote sensing tools for the effective and sustainable management of water resources. The research included in this Special Issue will focus on hydrological modeling, watershed management, drought and flood monitoring, and the assessment of water quality and availability, among other areas. This Special Issue will provide a platform for the sharing of methodologies, innovative case studies, and evaluations of policies that demonstrate how these technologies could enhance water sustainability.

- GIS
- remote sensing
- sustainable water management
- climate change
- hydrological modeling
- watershed management
- drought monitoring
- flood monitoring
- water quality assessment
- water availability



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