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## Research on Applications of Remote Sensing and Geographic Information Systems (GIS) in Water Resources

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Deadline for manuscript submissions:

**closed (20 November 2022)**

### Message from the Guest Editors

Water resources became a huge task in sustainable development, which is closely related to human well-being. However, facing the rapid urbanization and climate change, the water resource security has been more vulnerability to safe supply. GIS is a robust tool to managing huge volumes of data, mapping the flood risk, assessing the quantity and quality of water resource. Till now, the RS and GIS datasets in water resources, including both groundwater and surface water, is further facilitated by different sensors and technology. Water resources planning and management using RS is necessary to meet the demands of fast urbanization and increasing population. Therefore, the research of water resources based on RS and GIS has become popular during recent decades. This Research Topic aims to extent the application of RS and GIS in water resource field. We are welcome the research topic of water quality in river, stream, lake, and groundwater. We also welcome more extensive water related research to join our Special Issue.

For further reading, please follow the link to the Special Issue Website at:

[https://www.mdpi.com/journal/water/special\\_issues/gis\\_remote\\_sensing](https://www.mdpi.com/journal/water/special_issues/gis_remote_sensing)



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# Special Issue



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## Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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