

Special Issue

Application of Remote Sensing and GIS in Water Resources

Message from the Guest Editors

This Special Issue aims to provide a comprehensive overview of the latest advancements and innovative applications of RS and GISs in water resources. By showcasing high-quality original research and review articles, this Special Issue will highlight the transformative potential of these technologies in addressing pressing global water challenges. Based on this framework, the Special Issue focuses on papers that address one or more of the following topics:

- Hydrological Modeling and Forecasting: Using RS and GISs for rainfall-runoff, flood, and drought modeling.
- Water Quality Assessment and Monitoring: Employing satellite imagery to monitor water bodies for pollutants, turbidity, and algal blooms.
- Surface and Groundwater Interaction: Mapping and analyzing the connectivity between surface water bodies and groundwater systems.
- Irrigation and Agricultural Water Management: Applying RS for crop water stress detection, irrigation scheduling, and water use efficiency analysis. [...]

For further reading:

https://www.mdpi.com/journal/water/special_issues/3C31LM3019

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About the Journal

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.

Editor-in-Chief

Dr. Jean-Luc PROBST

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