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Advances in Hydrology: Flow and Velocity Analysis in Rivers

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Message from the Guest Editors

This Special Issue will feature original research articles, reviews, and case studies on applying geospatial technology in river flow and velocity analysis:

- Development of innovative methods for river flow and velocity analysis;
- Development of methodologies and strategies for the analysis of the extreme flow events;
- Spatio-temporal analysis of river parameters aimed at investigating the complex relationships between the analyzed quantities and the geomorphological characteristics of the study areas;
- Integration of geospatial technology, GIS, and geoinformatics in river flow and velocity analysis;
- Applications of remote sensing in river flow and velocity analysis;
- Development of river flow and velocity models using geospatial technology;
- Assessment of river health using geospatial technology and river flow and velocity analysis;
- Impacts of climate change on river flow and velocity;
- Case studies in river flow and velocity analysis using geospatial technology;
- Integration of citizen science in river flow and velocity analysis;
- Challenges and opportunities in river flow and velocity analysis using geospatial technology.



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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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