Special Issue

Innovations in the Modelling and Simulation of River Flow and Morphodynamics

Message from the Guest Editors

This Special Issue, entitled “Innovations in the Modelling and Simulation of River Flow and Morphodynamics”, emphasizes recent breakthroughs and future directions in river engineering and morphology research, encompassing a wide range of topics such as:

- In-depth explorations of experimental methodologies, mathematical and numerical modelling of complex river processes, data-driven approaches, innovative management strategies, and insights assembled from real-world case studies;
- Monitoring and forecasting of river flow patterns, sediment transport, channel evolution, and the effects of climate change and human intervention on river dynamics at various spatial and temporal scales;
- Examination of the impact of riverine heterogeneity on sediment and nutrient transport, model calibration, and the uncertainties associated with predictions and observations.

[...]

For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/water/special_issues/VEFA9ZLU6Z

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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