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Innovations in the Modelling and Simulation of River Flow and Morphodynamics

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Message from the Guest Editors

Dear Colleagues,

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:

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Special Issue



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Message from the Editor-in-Chief

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