

Special Issue

Modeling Hydraulics and River Dynamics Using Numerical Analysis and Soft Computing Methods

Message from the Guest Editors

The hydraulics and dynamics of water movement in rivers and open channels is of great importance in the diverse realms of hydrology and water sciences. Accordingly, in recent decades, several researchers have considered the accurate and proper simulation of these water bodies. Regarding the significance of the phenomena, researchers are invited to submit their studies related to the numerical modeling and/or soft computing simulation of river dynamics (and pertinent hydro-structures) to this Special Issue. The main outlines and scopes of this issue can be categorized as the following:

- Behavior and corresponding description of flow in rivers.
- Modeling flow in compound channels.
- Floodplain flow modeling.
- River flow and groundwater flow interaction.

[...]

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

https://www.mdpi.com/journal/water/special_issues/535187T45G

Guest Editors

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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

Dr. Jean-Luc PROBST

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