



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

Guest Editors:

**Prof. Dr. Mohammad Zounemat-Kermani**

Water Engineering Department,  
Shahid Bahonar University of  
Kerman, Kerman 76169-14111,  
Iran

**Prof. Dr. Ozgur Kisi**

1. Department of Civil  
Engineering, Technical University  
of Lübeck, 23562 Lübeck,  
Germany  
2. Department of Civil  
Engineering, Ilia State University,  
0162 Tbilisi, Georgia

Deadline for manuscript  
submissions:  
**closed (30 October 2023)**

### Message from the Guest Editors

Dear Colleagues,

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/](https://www.mdpi.com/journal/water/special_issues/)

535187T45G





*water*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Dr. Jean-Luc PROBST**

Laboratory of Functional Ecology and Environment, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, France

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

**Journal Rank:** JCR - Q2 (*Water Resources*) / CiteScore - Q1 (Water Science and Technology)

## Contact Us

---

Water Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/water](http://mdpi.com/journal/water)  
[water@mdpi.com](mailto:water@mdpi.com)  
[X@Water\\_MDPI](https://twitter.com/X@Water_MDPI)