



*water*

an Open Access Journal by MDPI



## Hydraulic Engineering and Numerical Simulation of Two-Phase Flows

Guest Editor:

**Dr. Ali Zidane**

Reservoir Engineering Research  
Institute, Palo Alto, CA, USA

Deadline for manuscript  
submissions:

**20 October 2024**

### Message from the Guest Editor

This Special Issue aims to showcase the latest advancements in the interconnected fields of hydraulic engineering and numerical simulation of two-phase flows. It welcomes original research papers and comprehensive reviews that address the complex interactions between fluids and solids in various hydraulic engineering applications.

The overall focus lies on the synergy between theoretical modeling and practical applications. We encourage submissions that utilize numerical simulation techniques to analyze, predict, and optimize two-phase flow behavior in hydraulic systems.

This Special Issue seeks to position itself at the forefront of knowledge by promoting the integration of cutting-edge numerical simulation methods with real-world hydraulic engineering challenges. By fostering this dialogue, we aim to bridge the gap between theoretical advancements and practical applications, ultimately leading to more efficient and sustainable hydraulic systems.



[mdpi.com/si/201149](https://mdpi.com/si/201149)

**Special** Issue



*water*



an Open Access Journal by MDPI

## Editor-in-Chief

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

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, 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/Water_MDPI)