

Special Issue

Physical Modelling in Hydraulics Engineering

Message from the Guest Editors

In recent years, the application of physical modeling in hydraulic engineering has experienced an increasing progress due to several factors. These factors, together with other societal challenges such as climate change, population growth or the digitalization of the water sector, have led to a paradigm shift in the development of physical models in the field of hydraulic engineering. This Special Issue aims to cover the main relevant physical modeling approaches related with hydraulics engineering, including hydraulic structures, fluvial, coastal, transition zones, urban, and ecosystems. All contributions are welcomed, including innovative solutions for common aspects in nature and infrastructures, coming from both basic and applied research. Topics regarding novel instrumentation and application of usual devices to new developments, real case studies, and adaptation to climate change scenarios are especially welcomed. Other topics covered in the Special Issue are nature-based solutions both for environment to urban locations, and studies with comparison with numerical modeling for its calibration, as increasing field of interest.

Guest Editors

Prof. Dr. Enrique Peña-González

Centre for Technological Innovations in Construction and Civil Engineering (CITEEC), University of A Coruña, Galicia 15001, Spain

Dr. Jose Anta Alvarez

Centre for Technological Innovations in Construction and Civil Engineering (CITEEC), University of A Coruña, Galicia 15001, Spain

Deadline for manuscript submissions

closed (15 February 2021)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



mdpi.com/si/31465

Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

[mdpi.com/journal/
water](https://mdpi.com/journal/water)





Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



[mdpi.com/journal/
water](https://mdpi.com/journal/water)



About the Journal

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

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

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 (Aquatic Science)