



water

an Open Access Journal by MDPI



Shallow Water Modeling

Guest Editors:

Prof. Dr. Tullio Tucciarelli

Prof. Dr. Francesco Macchione

Prof. Dr. Carlo Gualtieri

Prof. Dr. Giorgio Rosatti

Dr. Silvia Barbetta

Deadline for manuscript
submissions:

closed (30 April 2022)

Message from the Guest Editors

Climatic changes occurring in the world lead to more and more frequent extreme hydrological events, often associated to floods, debris flow, and landslides. Public administrations and land owners need reliable tools to predict water depths, mean velocities, and solid transport occurring during the forecasted events.

Shallow water modeling (SWM) is one of the main pillars available today to support the evaluation of the associated hydraulic risk. Recent advances in computer methods and computational hardware allow the inclusion of SWM in the standard management tools of public authorities and private managers of both urban and not-urban areas. SWM can also be a tool for the building information modeling (BIM) approach recently adopted for the design of civil infrastructures, [...]

For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/shallow_water_modeling



[mdpi.com/si/45505](https://www.mdpi.com/si/45505)

Special Issue



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, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/water
water@mdpi.com
[X@Water_MDPI](https://twitter.com/Water_MDPI)