Special Issue

Numerical Methods of Free Surface Flows

Message from the Guest Editors

This Special Issue aims to report the ongoing research into numerical schemes for free surface flows, in particular shallow water ones, as well as their novel applications in civil and environmental engineering. Topics of primary interest include but are not limited to:

- Boundary conditions;
- Wet dry treatment;
- Multilayer flows;
- Sediment transport dynamics;
- Pollutant dispersion treatment.

Traditional and innovative approaches will be considered—continuous models based on integration of Navier Stokes equations or particle approaches such as the Lattice Boltzmann Method (LBM). Applications focusing on high-performance computing, environmental hydraulics, dam break flows, hydraulic risk analysis, and fluid–structure interactions will be also considered for publication. We therefore invite you to submit your latest research findings showing your progress in the field of hydraulic engineering to this Special Issue of *Water* (ISSN 2073-4441)—an open access journal (**https://www.mdpi.com/journal/water**).

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2022)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/97799

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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

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