Special Issue

Flow Hydrodynamic in Open Channels: Interaction with Natural or Man-Made Structures, 2nd Edition

Message from the Guest Editor

This Special Issue aims to discuss hydrodynamic structures in open channel flows and be a focal point and a platform for exchanging recent ideas among engineers, scientists, specialists, designers, and practitioners interested in this topic. Rivers and open-channel flows are the subject of considerable hydromorphological alterations due to the flow interaction with the natural or man-made structures found within them, i.e., natural vegetation, grade control structures, piers and abutments, discharge/suction systems, seepage, and movable/fixed boundary. The sustainable management and monitoring of rivers/channels requires a deep knowledge and understanding of hydrodynamic flow structures. Thanks to advances in technological devices (sensors and software), the measurement and the numerical modeling of turbulent flows has become easier and more accurate, giving rise to enhanced fluid–structure interaction studies. [...]

More Information: https://www.mdpi.com/journal/water/special_issues/44KP62J124

Guest Editor

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Deadline for manuscript submissions

31 December 2025

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/243243

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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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