Special Issue

Environmental Fluid Dynamics and Modeling

Message from the Guest Editor

Our understanding of the transport and dispersion phenomena in natural fluid flows is gaining increasing relevance, as we are increasingly dealing with the issues of environmental management, particularly when trying to mitigate risks from natural hazards, pollution, and climate change. In this frame, a suitable modelling of all the involved processes is essential to the reliable simulation and prediction of flows, which range from river to maritime hydraulics, from atmospheric flows to limnology. The aim of the present Special Issue in *Water* is to present the state-of-the-art knowledge on the modelling of complex environmental flows, where fluid dynamics often couple with chemical and ecological process, as well as with the transport of particles, floating debris, or contaminants. Overviews of specific topics and of the future challenges in the related research areas are particularly welcome.

Guest Editor

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Deadline for manuscript submissions

closed (20 December 2021)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/62820

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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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