Special Issue

Hydrodynamics in Ocean Environment: Experiment and Simulation

Message from the Guest Editor

Flows, waves, and tides play an important role in the way coastal ecosystems function and are important for coastal and ocean engineering, such as coastline protection, ocean energy, ship navigation safety, and extreme storm surges. In general, there are three approaches to studying and understanding coastal and ocean hydrodynamics: theory analysis, field measurements and laboratory experiments, and numerical modelling. The aim and scope of the Special Issue is to invite paper contributions on recent studies of theory analysis, field measurements and laboratory experiment, and the numerical modelling of flows/waves/tides in coastal and ocean hydrodynamics. Research articles covering the areas of hydraulic laboratory experiments, free-surface flows, internal waves, the interactions of flows and waves with structures, morphodynamics, remote-sensing applications, solitary waves, and storm surges are welcomed for possible inclusion in this Special Issue of *Water*.

Guest Editor

Prof. Dr. Shin-Jye Liang

Department of Marine Environmental Informatics, National Taiwan Ocean University, Keelung 20224, Taiwan

Deadline for manuscript submissions

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

mdpi.com/journal/water

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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

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

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