Special Issue

Hydraulics and Hydrodynamics in Estuaries and Coast: Analysis, Laboratory/Field Experiments and Modeling Study

Message from the Guest Editors

A better understanding of the hydraulics and hydrodynamics of estuaries and coasts is therefore critical to accurately monitor the environment and water quality and predict coast evolution. The hydrodynamics in estuaries and coasts, which is affected by many factors, is very complicated, requiring a unique approach combining theoretical analysis, laboratory experiments, field observation and numerical modelling studies. As such, this Special Issue is set to bring researchers together to investigate the hydrodynamics, sediment transport and water quality of estuaries and coasts. Topics of interest include: fresh-salt water exchange in estuaries; hydraulics in estuaries and coasts; sediment transport in estuaries and coasts; beach erosion and nourishment; estuarine and coastal flooding; water quality modelling in estuaries and coasts.

Guest Editors

Prof. Dr. Yakun Guo
School of Engineering, University of Bradford, Bradford BD7 1DP, UK
Prof. Dr. Junwei Liu
School of Civil Engineering, Qingdao University of Technology, Qingdao 266033, China

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

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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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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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