Special Issue

Investigation, Simulation and Application in Hydrodynamics for Coastal and Ocean Engineering

Message from the Guest Editors

Vulnerabilities and risks in coastal areas have increased, especially since the midpoint of the last century, and a much more pronounced increase is expected after the midpoint of the current century. It has become clear that human activity is the main cause imbalances, both directly, through local actions, and indirectly, through contributions to global warming and climate change. Regarding ocean pollution, the natural and atmospheric sources of pollution account for only a small percentage of total ocean pollution (around 16%) when compared to the 37% attributed to urban and industrial loading and to the approximately 45% due to shipping and oil tanker accidents. No less serious are oil and gas exploration and production operations. This Special Issue aims to support researchers in different areas and assist local communities and coastal managers in carrying out operational coastal management by presenting and discussing management tools and new solutions. Submissions describing modeling tools, mathematical developments, numerical implementations and case studies will be subject to a peer review process to ensure the publication of high-quality articles.

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Deadline for manuscript submissions

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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
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