Special Issue

Modeling of Hydrodynamics and Water Quality in Inland and Coastal Waters

Message from the Guest Editors

Population growth and urbanization in inland and coastal areas have resulted in increasing amounts of liquid and solid waste. Improper handling of these pollutants in water bodies can seriously harm the environment and ecology, such as red tides, plastic pollution, the accumulation of toxic substances, nuclear pollution, etc. Therefore, it is important to have a clear understanding of the hydrodynamics and water quality in inland and coastal waters. Inland and coastal hydrodynamics and water quality have been an important research topic with significant progress. However, further research is needed to improve the accuracy and efficiency of modeling and to develop new candidate modeling tools. This Special Issue welcomes review articles, original research and case studies on inland and coastal hydrodynamic and water quality modelling and related topics. Any other types of work (e.g., experiments, theoretical analyses, and field observations) that can contribute to improving fluid dynamics and water quality modeling practice are also welcome.

Guest Editors

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Deadline for manuscript submissions

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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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