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Modelling Flow, Water Quality, and Sediment Transport Processes in Coastal, Estuarine, and Inland Waters

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Message from the Guest Editors

Dear Colleagues,

Over the past few decades, there has been increasing concern about global water security, particularly with regard to flow and water quality processes in rivers, estuaries, and coastal waters. The impact of climate change has led to a higher number of floods and droughts, and population growth and urbanisation have led to growing demand for water, food, and energy, leading to increasing diffuse and point source pollution. Increasing global wealth has also led to changes in food habits and demand for commodities, leading to a rise in virtual water demand and, as a consequence, increasing pollution and more challenging hydro-ecosystems management. To address these challenges, together with the importance of complying with ever-growing regulatory standards (such as the EU Bathing Water Directive), an improved understanding of hydrodynamics, water quality (including contaminants of emerging concern), sediment transport, and morphological processes is required together with improved predictive models, [...]

For further reading, please follow the link to the Special Issue Website at:

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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.

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