



water



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

Guest Editors:

Prof. Dr. Roger Falconer

Hydro-Environmental Research
Centre, School of Engineering,
Cardiff University, The Parade,
Cardiff CF24 3AA, UK

Prof. Dr. Reza Ahmadian

School of Engineering, Cardiff
University, The Parade, Cardiff
CF24 3AA, UK

Prof. Binliang Lin

Department of Hydraulic
Engineering, School of Civil
Engineering, Tsinghua University,
Beijing, 100086, China

Deadline for manuscript
submissions:

closed (30 June 2020)

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, [...]

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Special Issue



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Dr. Jean-Luc PROBST

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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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Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (Water Science and Technology)

Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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