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Civil Engineering, Hydraulics and Hydrology

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Message from the Guest Editors

Dear Colleagues,

This Special Issue is intended to address the relationship between civil engineering, hydraulics and hydrology in a global and local perspective—that is, world, national, as well as regional situations can be portrayed.

Mitigation and adaptation to climate change are crucial challenges for civil engineering. As global temperatures rise, civil structures and infrastructure must be designed and built to withstand extreme weather conditions, including floods, droughts and storms. Hydraulics and hydrology are key areas for dealing with these challenges, as efficient water management is vital to ensure the safety and effectiveness of civil infrastructure in times of climate change. [...]

After the exposure in the light of the bibliographic evolution resulting from the treatment related to the three major topics of civil engineering, hydraulics and hydrology, it makes sense to analyze them jointly, in a global, national, as well as regional evolutionary perspective.

For more details, please find 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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