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Climate Change Adaptation and Water Resources Management

Guest Editor:

Dr. Enrique Rosales Asensio

Department of Electrical Engineering, University of Las Palmas de Gran Canaria, Campus de Tafira S/N, 35017 Las Palmas de Gran Canaria, Spain

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Message from the Guest Editor

On the one hand, this Special Issue aims to propose initiatives that address the impacts of climate change on the hydro-environment and monitor the adaptation measures undertaken in the water engineering sector, both structural and non-structural. On the other hand, another objective of this Special Issue is to improve our understanding of the relationship between water-related decisions, society and the environment. These science-based results need to be transferred to water management institutions and companies, which requires intensive cooperation between scientists and managers to ensure the sustainable use of water. The concept of sustainability, which is extensively employed in international declarations and documents, is very appealing; however, further analysis is needed to develop an operational concept that is suitable for daily water management. Therefore, the long-term aim of this Special Issue is to promote the application of advanced technologies that could address problems regarding environmentally sound water management and to advance interdisciplinary approaches in hydraulic engineering, with a particular focus on ecological concerns.



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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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Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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