# Special Issue

# Impact of Climate and Socio-Economic on Irrigation Water Management and Agricultural Water Productivity

## Message from the Guest Editors

Improvement of agricultural water productivity aims at producing more food, more income, better livelihoods, and better ecosystem services that use less water. Irrigation water management naturally becomes a world-wide concern for agricultural production and livelihood security when there are limited water resources. Therefore, how to improve agricultural water use efficiency or agricultural water productivity and further effectively manage irrigation water resources are a key challenge to ensure water–food security and promote sustainable development of agriculture. This Special Issue seeks to publish related research paper on the topics of (1) impacts of climate and socio-economic change, including increasing temperature, extreme weather conditions, flood, regional conflicts, etc., and human activities, including irrigation management, cropping patterns, water saving measures, etc., on the agricultural system; (2) management and approach assessments to help improve the sustainability of the agricultural and hydrological system under the challenging environment. Papers based on the experiment observations and modelling simulations are both welcomed and encouraged.

## Guest Editors

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## Deadline for manuscript submissions

closed (20 August 2024)

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# About the Journal

## 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.

## Editor-in-Chief

Dr. Jean-Luc PROBST
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