

## Special Issue

# Food Security, Crop Production and Soil Water Management in Agriculture under Changing Climate: Challenges and Perspectives

### Message from the Guest Editors

This Special Issue, “Food Security, Crop Production and Soil Water Management in Agriculture under Changing Climate: Challenges and Perspectives” will focus on better understanding future hydrologic simulation cycles and its relationships with food security, crop production, and soil water management. Therefore, new research studies are required to investigate the impacts of climate change on the interaction of hydrologic processes with food security and crop production. Hence, we invite article submissions that contribute, but are not limited, to the following thematic areas:

- Response and simulation of hydrological processes under climate change;
- Hydrological models and machine learning techniques to simulate hydrologic cycles under different land-use changes;
- Impacts of extreme events and climate changes on food security, crop production, and water resources;
- Water–energy–food–land nexus as a framework for achieving sustainable crop and water management.

### Guest Editors

Dr. Mukhtar Ahmed

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Swedish University of Agricultural Sciences, Uppsala, Sweden

Prof. Dr. Shakeel Ahmad

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### Deadline for manuscript submissions

closed (1 December 2023)



## Water

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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.

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### Editor-in-Chief

Dr. Jean-Luc PROBST

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