Special Issue

Climate–Water Effects in Agriculture: Adaptation and Mitigation Approaches

Message from the Guest Editor

The primary objective of this Special Issue is to enhance scientific knowledge and understanding of the interactions between agricultural water and soil resource management and the impacts of climate change at local, regional, and global levels. It is crucial to advance effective adaptation and mitigation strategies and technologies aimed at enhancing water availability and productivity, improving water and soil quality, and safeguarding crops from damage due to extreme climatic conditions. A variety of measures have been suggested, including climate-resilient agronomic practices, geoinformatics tools (such as advanced modeling, GIS, and remote sensing applications), ecological engineering methods for water and wastewater management, and innovative technologies for producing water from non-conventional sources, among others. Additionally, we seek to foster dialogue on how agricultural water resource managers can utilize water more efficiently and sustainably in response to anticipated changes in the hydrological cycle and their ecological, environmental, and socio-economic impacts.

Guest Editor

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST
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