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Water Management of Agricultural and Forest Ecosystems under Climate Change

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Message from the Guest Editors

Water use of agricultural and forest ecosystems will change under global climate change. Whether crops and forest trees can enhance their water efficiency to maintain productivity under increased water deficits is not well understood. Further, increased climate variability and extreme events such as drought and flood will also make water management more difficult. Sustainable solutions and new techniques are needed to combat climate change and secure crop and timber production. Some precision agriculture approaches can probably enhance the water use efficiency of agricultural systems, and some new soil amendment techniques such as biochar can at least partly reduce the effect of increased fluctuations in rainfall.

This Special Issue aims to gather high-quality papers emphasizing changes in the water use of agricultural and forest ecosystems under climate change, and solutions and techniques to mitigate the effect of climate change. Submitted contributions will go through a peer-review process performed by independent reviewers. Original case studies and review papers are invited for publication in this Special Issue.



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Special Issue



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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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