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Water Management for Sustainable Food Production

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Deadline for manuscript submissions:
closed (31 July 2019)

Message from the Guest Editors

Increasing agricultural productivity and total production are needed to feed the ever-increasing population. Sustainable food production involves sustained availability of resources, such as water and energy, to agriculture. The aim of this Special Issue is to bring forth the challenges and discuss the mitigation options on the availability of water to both rain-fed and irrigated agricultural production (including animal production) to sustain food production at local, regional, national, and global scales. In particular, the Special Issue will focus on:

1. Use of smart technology (electronic gadgets, low-cost data sources, local technology) to manage water to obtain more crop per drop.
2. Agricultural production under shrinking land and water resources.
3. Availability of water to agricultural production under historic past and projected future climate change (including floods, droughts, and extremes of precipitation and temperature)
4. Sustaining agricultural production under population increase with existing water resources.

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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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