



Measures on Irrigation and Agronomy to Improve Crop Water Use Efficiency

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Deadline for manuscript
submissions:

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Message from the Guest Editors

Improving crop water use efficiency is vitally important in efforts to cope with water scarcity and sustainable food security. Scientists from different disciplines are involved in this topic. The goal of this Special Issue is to provide a collection of manuscripts that present innovative studies, tools, approaches, management or techniques that have been successful in improving crop water use efficiency either at plant, field or regional scales. Submissions on (but not limited to) the following topics are invited:

- Crop response to water stress and crop water deficit diagnosing;
- Drought-related gene expression and plant breeding;
- Irrigation techniques and instruments (including fertigation);
- Irrigation schedule;
- Agronomical practice (i.e., mulch, intercropping, root management) to improve crop water use efficiency;
- Practices to improve soil water storage (i.e., chemical materials of SAP);
- Practices to reduce crop transpiration;
- Information technology to realize precise water management;
- Water reuse;
- Other new techniques, such as aerobic irrigation, magnetic water irrigation.





water



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Editor-in-Chief

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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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