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## Soil Water Use and Irrigation Management

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### **Message from the Guest Editors**

Dear Colleagues,

The sustainable management of water resources is becoming extremely important in the face of ongoing climate change. An increasing number of regions are faced with rainfall deficits and droughts, which strongly affect agricultural production. Using appropriate irrigation techniques for crops is crucial to keeping agricultural production at an adequate level and ensuring global food security. Therefore, this Special Issue focuses on the use of modern irrigation systems and sustainable rural development. It also includes methods to accurately estimate the water needs of crops, as well as to control soil moisture and ensure sufficient water for irrigation. Modern irrigation systems, their maintenance and operation, and the relationship between soil, water, and plants will also be discussed.

The main topics covered in this Special Issue include but are not limited to the following:

- Water resource management;
- Technical and economic problems of irrigation systems;
- Precision and water-saving irrigation. [...]

For further reading, please follow the link to the Special Issue Website at:

[https://www.mdpi.com/journal/water/special\\_issues/45TW3U22CV](https://www.mdpi.com/journal/water/special_issues/45TW3U22CV)

# 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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