

Special Issue

Effects of Irrigation Management Practices on Growth, Yield and Fruit Quality of Horticultural and Fruit Crops in a Context of Water Scarcity

Message from the Guest Editors

The objectives of this Special Issue **aim to**:

- Investigate the possible interactions in a warming climate between irrigation, fertilization and/or other cultivation techniques in crops to better understand their benefits.
- Obtain a better understanding of the synergistic use of irrigation and biostimulants on yield and fruit quality;
- Apply different irrigation management techniques (e.g., regular deficit irrigation–RDI, partial drying of the root zone–PRD and water reuse) to horticultural and fruit crops;
- Optimize water management in crops, including the use of novel technologies (modeling, remote sensing) and tools to save water;
- Evaluate the management, development, and planning of water resources, including the reuse of wastewater;
- Consider all opportunities to implement a wide variety of adaptation techniques (from physiology to technology) to improve the irrigation management of crops in future climatic conditions.

This Special Issue offers an opportunity to gather studies and multidisciplinary approaches related to advanced technologies and innovative methodologies for irrigation management.

Guest Editors

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Deadline for manuscript submissions

closed (25 January 2025)



Water

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Impact Factor 3.0
CiteScore 6.0



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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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