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Water Management in Woody Crops: Challenges and Opportunities

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Deadline for manuscript submissions:
closed (31 March 2022)

Message from the Guest Editors

Water conservation is paramount for the long-term sustainability of agroecosystems, especially in arid and semi-arid regions. In the case of woody crops, it is a serious concern due to the large extension of these crops in different climatic conditions and the high inputs required for growing them. Indeed, the optimization of water management is critical for agricultural sustainability, especially under actual climate change scenarios (higher air temperatures, more severe drought and heat waves), since crop yield, quality, and economic viability largely depend on water availability.

This Special Issue aims at collecting original and quantitative research on water management in woody crops, including:

- Research on irrigation management strategies aiming to save water while maintaining yield and crop quality;
- Studies of other cultural practices that allow for saving water in orchards;
- Studies focused on the effects of climate change on water availability for woody crops, either in the field or under controlled conditions;
- Works using novel techniques for estimating crop water requirements at different application scales, through remote sensing technologies.



mdpi.com/si/37537

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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Journal Rank: JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)

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