



Precision Management Systems for Sustainable Orchards and Vineyards

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Message from the Collection Editors

Under a global climate change, plants will face increasing abiotic and biotic constraints. Climate change can significantly alter plant functioning and productivity, affecting crop management sustainability, and ultimately the whole food economy.

Today's technological advancements offer an excellent opportunity for the precise management of orchards and vineyards, aiming toward the highest production quality and efficiency possible. New generation sensors exist and can be further implemented for the precise management of a number of operations, both in the field (irrigation, nutrition, pest control, pruning, harvesting, etc.) and during post-harvest processing.

Further investigations and good knowledge sharing across the areas of horticulture, basic plant physiology, and engineering are required in order to improve orchard and vineyard management. For these reasons, the mission of a Special Issue collection such as this is to share knowledge and bring scientists from different disciplines to work together towards modern, efficient, and sustainable orchard and vineyard management systems, increasing the interest of researchers, and the awareness of farmers and consumers.





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Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

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