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New Challenge of Horticultural Crops under Climate Change

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Deadline for manuscript submissions:
closed (20 November 2023)

Message from the Guest Editors

Dear Colleagues,

Climate change is causing global warming and modification of the amount and distribution of precipitation, with more frequent extreme events such as heat waves, drought, and flooding。 Reduction in the production of fruits and vegetables is likely to be caused by a short growing period, which will have a negative impact on growth and development particularly due to terminal heat stress and decreased water availability. This can affect food availability at the global level.

The purpose of this Special Issue is to present innovative studies, tools, approaches, and techniques that have been successful in addressing some of these concerns, such as the use of location-specific climate-smart horticulture, the selection of resilient species/cultivar to vulnerable conditions, the adoption of production systems for improved water-use efficiency and to adapt to the hot and dry conditions. The evaluation of physiological and agronomical performances of the different horticultural crops will allow for validation of the adopted strategies and to indicate the best cultivation practices with the aim of improving the efficiency and sustainability of horticultural crops.

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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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