

Special Issue

Recent Insights in Physiology of Tree Fruit Production

Message from the Guest Editors

Physiological mechanisms are key to unlock our understanding of the resilience and efficiency of tree fruit production under variable environmental conditions and horticultural mitigations. This Special Issue aims to highlight the recent advances in the following broad physiological topics which are pertinent to the crop performance, yield potential and fruit quality of a variety of tree fruits.

- Fruit set, fruit quality, fruit disorder and yield under stresses and horticultural mitigations;
- Bud differentiation, alternate bearing, a variety of crop load management measures;
- Roles of phytohormones, efficacy of innovative plant growth regulators;
- Rootstock–scion interaction, roles of rootstocks and canopy structures in vigor control, resource use and allocation, crop resilience and yield potential;
- Plant–water relations, carbohydrate assimilation and partitioning, fruit growth and development.

We invite contributions from the field of ecophysiology and molecular physiology of apple, pear, sweet cherry, peach, citrus and other tree fruits. Research articles, reviews, opinions, communications and methods are welcomed.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2024)



Agronomy

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Impact Factor 3.4
CiteScore 6.7



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