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Physiology and Molecular Biology of Fruit Trees and Vines

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Message from the Guest Editor

Understanding the physiology and molecular biology of fruit trees and vines is a crucial for optimizing its productivity. At present, global climate changes and limited natural resources make food production more challenging. An efficient production system requires a comprehensive understanding of fruit trees and vine behavior, allowing to maximize the use of our resources. Additionally, elucidating the physiological and molecular bases of flowering, fruit development, and abiotic stress tolerance will enable us to identify new pathways for fruit trees and vines genetic improvement. This includes but is not limited to the following aspects:

- Improving water and nutrient use efficiency
- Abiotic stress tolerance
- Flowering, alternate bearing, and fruit drop
- Regulation of fruit development, maturation, and ripening
- Scion–rootstock interaction
- Root system growth and development.



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Message from the Editor-in-Chief

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