



Molecular, Genetic and Physiological Control of Fruit Quality

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Message from the Guest Editors

The demand for greater fresh fruit quality has increasingly been reflected in consumer behaviour in recent years. Whereas most technical and genetic improvements have focused on yield and disease resistance traits, a main concern now is to improve taste and health value to answer the consumer demand. At the same time, growers are tackling new challenging constraints related to improving yield and quality in low-input sustainable production systems and in response to climate change. Complex quality traits are built throughout the developmental and ripening processes. However, much less is known about the connections between biosynthetic pathways, their sub-cellular compartmentation, or the evolutionary conservation of regulatory mechanisms across plant species and families. Moreover, the effect of interaction of genotype with environmental factors on these aspects needs to be addressed.

This Special Issue intends to provide novel insight into fruit quality with a specific focus on above aspects. Your contributions to this topic through literature reviews or original research papers that use genetic, molecular or (eco-)physiological approaches are welcomed on all fruit species.





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Message from the Editor-in-Chief

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