Special Issue

State-of-the-Art in the Omics Research on Fruit Development and Ripening

Message from the Guest Editor

An understanding of metabolic and regulatory networks during fruit development and ripening is highly valuable for the design of fruit crops improvement, including fruit growth, fruit quality, fruit yield, postharvest, biotic and abiotic stresses, nutritional quality, and health benefits. Boosted by the development of cutting-edge "omics" technologies, multiple different types of omics approaches have been developed to promote fruit crop research, such as genomics, proteomics, and metabolomics. Research in different parts of the omics cascade and comparative omics studies have helped improve our understanding of fruit development and ripening as more and more genomes of fruit crops have been sequenced. This Special Issue will focus on state-of-the-art in the omics research on fruit development and ripening. We invite researchers to submit original research or review papers regarding the application of omic approaches to unveil the different aspects of fruit growth, development, and ripening.

Guest Editor

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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.

Editor-in-Chief

Prof. Dr. Luigi De Bellis
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