

Special Issue

Omics Approaches and Applications in Fruit Crops Improvement

Message from the Guest Editors

Fruit crop are important economic crops around the world. The global climate change and population growth bring challenges for fresh fruit production. Facing these challenges, enhancing agronomical important traits, such as yield, resistance, flavor, color, nutritional value and post-harvest fruit quality, is required for fruit crops improvement. The rapid development of multi-omics research has substantially benefited understanding a transcriptional, metabolic and protein landscape of fruit crops yield and quality formation from different omics layers. Base on the vast amount of omics data, researchers in fruit crops science are expected to identify functional genes and explore its in-depth mechanism of fruit crops yield and quality formation. The Special Issue focuses on application of omics technologies, such as genomics, transcriptomics, proteomics and metabolomics, to improve fruit crops yield and pre- and post-harvest product quality. We invite researchers to submit original research articles or reviews to the Special Issue.

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