



Molecular Breeding for Fruit Quality

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Message from the Guest Editors

Fruits are an essential part of human diet, providing significant amounts of vitamins, antioxidants, minerals, fibers, and numerous health benefit compounds. Traditionally, most breeding efforts have been devoted to increasing fruit size and yield, disregarding other quality parameters, such as sensory attributes or nutritional content. Current production practices favoring early fruit harvesting and some postharvest strategies can also contribute to reducing overall fruit quality. Novel approaches are needed to deal with the future challenges of fruit production, improving fruit organoleptic properties and nutritional value, and also to be able to accommodate fruit industry with consumer preferences. Modern breeding techniques such as genetic engineering, gene edition or marker-assisted selection will be especially useful to achieve this goal.

In this Special Issue, articles (original research papers, perspectives, hypotheses, opinions, reviews, modeling approaches and methods) that focus on molecular fruit breeding at all levels, including physiology, biochemistry, genetics, genomics, proteomics, and metabolomics approaches, are welcome.





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Message from the Editor-in-Chief

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