



Advances in Research for Fruit Crop Breeding and Genetics 2023

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The development of new fruit varieties is a long and tedious process involving crossing the parents with selected traits to generate desired seedling progenies to develop superior cultivars. While breeders' ability to generate large populations of such progenies is almost unlimited, the management and selection of these seedlings limit the progress of this process. Most fruit species have been sequenced and their reference genomes are available; this genomic analysis has evidenced high synteny between genomes and transcriptomes. From a global perspective, the center of gravity of the molecular processes is focused on the expression of genes and the way in which such expression is regulated, analyzing different omics, including genomics, transcriptomics, proteomics or epigenetics. This global omic perspective will be investigated in this Special Issue, which will highlight the main conclusions of this recent development for fruit crop breeding and production.

Dr. Pedro Martínez-Gómez
Guest Editor





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