

Special Issue

Advances in Research for Fruit Crop Breeding and Genetics 2023

Message from the Guest Editor

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.

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2023)



International Journal of Molecular Sciences

an Open Access Journal
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Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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