

Special Issue

Genetic Diversity and Functional Genomics in Fruit Breeding

Message from the Guest Editors

Novel insights on the genetic determinism of traits of agronomical interest (e.g., fruit quality, yield, resistance to biotic and abiotic stress) are one of the cornerstones for the development of novel cultivars showing enhanced performances. Indeed, the availability of high-throughput genotyping (and often phenotyping) platforms has enabled the setup of functional genomic investigations for the discovery of quantitative trait loci (QTL) linked to traits of interest. Such an approach will both enable the setup of efficient marker–trait association approaches to speed up the selection of novel accessions showing superior traits and provide novel insights on the genetic determinism of the trait under examination. On this premise, this Special Issue focuses on genetic diversity and functional genomics in fruit crops. We welcome the submission of both reviews and research articles, and we especially encourage the submission of original papers aimed at identifying the molecular markers to be implemented in fruit breeding.

Guest Editors

Dr. Mario Di Guardo

Prof. Dr. Alessandra Gentile

Dr. Chiara Catalano

Deadline for manuscript submissions

closed (25 October 2024)

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About the Journal

Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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