

Special Issue

Plant Biotechnology for Fruit Crop Improvement: Development and Innovation

Message from the Guest Editors

Fruit trees are economically important crops, and as long-lived woody perennial species, they require adapted biotechnological approaches. Numerous molecular and biotechnological tools, as well as several genome sequences, are now available for perennial fruit crop breeding, and to study the complex traits that can help their adaptation to the current challenging environmental conditions. The creation of new, more resilient cultivars, with high quality and yield parameters, is one of the main goals of fruit tree genetic improvement. The application of new genomic techniques can help to speed up the discovery of improved fruit trees species. This Special Issue of *Plants* aims to summarize the recent findings on novel genetic-based discoveries and biotechnological approaches that try to explain and overcome the recalcitrance of these species to in vitro morphogenesis and genetic transformation. In addition, research articles related to the discovery and characterization of novel genes, crop traits, MAS and comparative genomics in woody species are welcome.

Guest Editors

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Dr. Luca Capriotti

Dr. Angela Ricci

Deadline for manuscript submissions

closed (30 October 2023)



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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, and conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

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