Special Issue

Advances in Genetics and Breeding of Fruit Trees

Message from the Guest Editor

The field of the genetics and breeding of fruit trees has witnessed remarkable progress in recent years, opening up new possibilities and opportunities for improving fruit quality, yield, disease resistance, and adaptability. Frontier technologies such as genome seguencing. marker-assisted selection, and cell engineering have provided more conveniences for the exploration of superior traits and the breeding of new varieties of fruit trees. New breakthroughs in natural bud mutation, artificial hybridization, and mutagenesis strategies have offered more impetus for the creation of new superior germplasm. The plant type, growth, and development of fruit trees, as well as the roles of the environment, hormones, epigenetics, etc., in regulating the growth and development of fruit trees, can guide and be applied in labor-saving and machine-friendly cultivation practices. The genetic mechanisms of the fruit ripening period, processing performance, and pre-harvest and post-harvest quality changes are crucial for meeting the demands of consumers and the food industry.

Guest Editor

Prof. Dr. Peng Chen

Horticultural Institute, Hunan Academy of Agricultural Sciences, Changsha, China

Deadline for manuscript submissions

closed (20 April 2025)

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Genes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34

mdpi.com/journal/genes

genes@mdpi.com



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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

Prof. Dr. Selvarangan Ponnazhagan

Department of Pathology, The University of Alabama at Birmingham, 1825 University Blvd, SHEL 814, Birmingham, AL 35294-2182, USA

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