

## Special Issue

# Genetic Improvement in Horticultural Plants

### Message from the Guest Editor

We invite manuscript submissions on a range of topics related to genetic improvement, including (but not limited to) the following:

- Identification, conservation, and exploration of genetic resources for improving horticultural crops, including wild relatives, locally adapted populations, and landraces;
- Use of traditional breeding techniques, such as selection and hybridization, to develop new cultivars with improved performance;
- Integration of genomic technologies, such as next-generation sequencing (NGS), gene editing using the CRISPR-Cas9 system, and system biology, into traditional breeding programs to speed up the development of new cultivars with improved performance;
- Use of genomic-assisted breeding approaches such as genome-wide association studies (GWAS), marker-assisted selection (MAS), and genomic selection (GS) to improve the efficiency and precision of traditional breeding programs;
- Application of genetic engineering and system biology approaches to engineer novel traits in horticultural crops;
- Use of genetic diversity to enhance the nutritional content, flavor, and aroma of horticultural crops.

Looking forward to receiving your papers.

### Guest Editor

Prof. Dr. Kourosh Vahdati

Department of Horticulture, Faculty of Agriculture Technology,  
Aburaihan Campus, University of Tehran, Tehran, Iran

### Deadline for manuscript submissions

closed (25 November 2023)

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## Genes

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*Genes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[genes@mdpi.com](mailto:genes@mdpi.com)

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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?

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### 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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