

Special Issue

Genetics and Breeding of Horticulture Crops—2nd Edition

Message from the Guest Editors

The goal of this Special Issue is to collect the latest advances in understanding the genetics and breeding of horticulture crops by integration with multi-omics, revealing molecular mechanisms of agronomically important traits in horticultural crops, such as yield, quality, and resistance to abiotic and biotic stresses. We particularly encourage research derived from the development or application of new omics technologies in horticultural crops as well as new methods for the analysis, mining, and visualization of horticultural crop omics datasets.

We welcome submissions of all article types on, but are not limited to, the following subtopics:

Genetic and functional characterization of genes regulating horticultural crop growth and development;

Development of novel omics technologies for horticultural crop improvement, software, and algorithms;

Genetic improvement in horticultural crops using gene editing and other modern biotechnologies;

Integration with multi-omics revealing the molecular basis of important agronomic traits in horticultural crops.

Guest Editors

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Deadline for manuscript submissions

closed (25 February 2025)

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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

Prof. Dr. Selvarangan Ponnazhagan
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