

Special Issue

Gene and Genome Duplications in Plants

Message from the Guest Editors

Gene and genome duplications have long been recognized as significant drivers of the evolution and diversification of plants. Gene duplications can occur at various scales, ranging from single-gene duplications to whole-genome duplications (WGDs), and can lead to the emergence of new gene functions, increased genetic diversity, increased gene product levels and enhanced adaptability to environmental changes.

This Special Issue aims to bring together cutting-edge research on the mechanisms, consequences, and evolutionary significance of gene and genome duplications, and as well as new tools for detecting WGDs in plants. Furthermore, this Issue will explore the interplay between gene and genome duplications and other evolutionary processes, such as natural selection, genetic recombination, and epigenetic regulation. It will also delve into the impact of duplications on plant development, physiology, and responses to environmental stresses, as well as their potential applications in plant breeding and biotechnology.

Assistant

Guest Editors

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Deadline for manuscript submissions

closed (25 April 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

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