

Special Issue

Advances in Genetics and Genomics of Plants

Message from the Guest Editor

Following the recent advances in molecular genetics and high-throughput sequencing technologies, continuous and rapid progress has revealed the complex and varied genomic characteristics and genetics of plants. In the recent past, diverse omics technologies such as genomics, transcriptomics, epigenomics, proteomics, and metabolomics, have developed rapidly, providing powerful tools for the comprehensive study of plant nuclear, mitochondrial, and chloroplast genomes and their dynamics. These studies provide valuable insights into the underlying genetic mechanisms driving the complex traits of plants, helping us transform and use plant resources more efficiently. In this Special Issue, we aim to focus on the applications of cutting-edge technologies in the genetic and genomic studies of plant species that are related to scientific questions of wide concern. Studies including high-throughput sequencing data analysis and experimental validation analysis on the nuclear and organelle genomes are welcome. Both theoretical and empirical contributions will be considered.

Guest Editor

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Deadline for manuscript submissions

closed (31 July 2024)

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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

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