

Special Issue

New Insights into the Evolution of Plant Genes and Genomes

Message from the Guest Editor

The evolution of the plant kingdom has been marked by remarkable diversity and complexity in both vegetative and reproductive traits and this diversity has been shaped by a variety of genomic events, including gene and genome duplications, *De novo* genes, horizontal gene transfer, and gene loss. These dynamic processes in plant genome evolution are closely linked to the emergence of phenotypic diversity across different plant lineages. Understanding these mechanisms is crucial for unraveling the complexity of plant evolution and adaptation. Recent advancements in genomic technologies and analytical approaches have provided unprecedented insights into the dynamics of plant gene and genome evolution. The call for manuscripts for this Special Issue presents an exciting opportunity to explore the intricate relationship between dynamic gene and genome evolution and the origins and diversification of land plant species. Manuscripts utilizing various cutting-edge approaches, including phylogenomics, comparative genomics, transcriptomics/epigenomics, genome editing and synthetic biology, etc., are invited to contribute insights into this complex phenomenon.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

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