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Molecular Evolutionary and Comparative Genomics Analyses in Plants

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Deadline for manuscript submissions:

closed (20 April 2021)

Message from the Guest Editors

Now, the number of plant genomes available for study increases daily and is in the hundreds. What have we learned in the last ten years? What new questions are we able to ask with this exciting wealth of data? The focus of this Special Issue will be on where plant evolutionary and comparative genomics is going for the next ten years. Of particular interest are papers that address questions of genomic organization from an evolutionary perspective and that examine the genomes of basal plants as well as angiosperms.

Polyploidy and whole genome duplication (WGD) are common within plants, and these events have shaped plant genomes and plant gene families. Submission of manuscripts that describe studies that examine the impacts of both recent and ancient WGD events and the processes of diploidization are encouraged. Population-level studies of genome level variation have informed our understanding of local adaptation and provided needed information on fine-scale evolutionary processes. Manuscripts that focus on comparative genomic studies within species or among closely related species are also encouraged.



mdpi.com/si/50219

Special Issue



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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?

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