

## Special Issue

# Genetics and Genomics of Plant Reproductive Development

### Message from the Guest Editor

In flowering plants, the success of sexual reproduction is essential for the completion of the life cycle, and many major crops yield in agriculture, providing various foods and charming living environments for humans and animals.

With the fast development and application of genomics approaches, such as whole-genome sequencing, single-cell sequencing, genome editing, and AI assistant prediction, more and more critical functional genes and their regulatory systems involved in plant reproductive biology will be explored in various plants, especially for those crops, horticultural and economic plants with freshly released genomes. It will enable precise manipulation of ideal genes, offering great opportunities to improve crop breeding and yield. In this Special Issue, titled “Genetics and Genomics of Plant Reproductive Biology on Genes”, we welcome any research and reviewer articles on various aspects of plant reproduction processes in model systems, crops, and any other flowering plants, aiming to explore more interesting and important functional genes controlling plant reproduction.

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### Guest Editor

Prof. Dr. Pingli Lu

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### Deadline for manuscript submissions

20 July 2026

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## Genes

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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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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan  
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