



Special Issue on Plant Genetics and Genomics

Call for Papers

In recent years, with the development of next-generation sequencing technologies and advances in bioinformatics tools, more genomics and transcriptomics datasets have been generated. This fast evolving field allows scientists to analyze thousand of genes at once to dissect the genetic architecture of plant genomes and also to isolate the genes with key functions. The goal of this special issue is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in this area of **Plant Genetics and Genomics**.

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore **Plant Genetics and Genomics**. In this special issue, potential topics include, but are not limited to:

- Plant developmental genetics/genomics
- Plant systems biology/gene regulatory networks
- Organization and evolution of genes and genomes
- Nature of mutations and mutation process
- Molecular evolution, phylogenomics, and evolutionary genetics
- Genetic phenomena, epistasis, dominance relationships, and heterosis
- Genotype-phenotype relationships
- Gene regulation
- Epigenetics and epigenomics
- Chromatin organization, establishment, maintenance and modification
- Chromosome organization, localization, behavior and dynamics
- Mechanisms of DNA replication, repair, and recombination
- Mechanisms of RNA processing, transport, localization, translation, and turnover
- Nature and function of non-protein-coding RNAs.

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - Plant Genetics and Genomics**” should be selected during your submission.

Special Issue timetable:

Submission Deadline	August 12th, 2021
Publication Date	October 2021



Guest Editor:

For further questions or inquiries
Please contact the Editorial Assistant at
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