

## “Plant Genetics and Genomics”

### Aim and Scope

**SOJ Genetic Science (SOJGS)** is an Open Access Publication which aims to reveal the intriguing secrets encoded in the genetic codons. SOJGS encompasses genomic constitution, gene expression & regulation, heredity, genetic variation, gene mutations and genomic evolution etc. in all life forms. The journal covers cell reproduction, protein synthesis, metabolic molecular pathways, immune mechanisms, disease transmission and molecular origin of diseases.

The improvement of crops with the use of traditional methods has been occurring for years. With the advancement of Genetics in the plant breeding, it became possible to improve the economically valuable properties of crops: yielding capacity, resistance to unfavorable environmental conditions, some biochemical and technological characteristics of a plant or its grain, and other developmental characteristics.

Plant genetics is being increasingly influenced by the ideas and methods of molecular biology, population genetics and biometrics; and are used to differentiate the genotypic and paratypic elements. A special issue on “**Plant Genetics and Genomics**” provides a venue for publishing recent trends, advances & applications in plant genetics & genomics.

As we are in a step ahead to bring-out advancements in “**Plant Genetics and Genomics**” exploration to you, every other in an easy accessible way by your participation and co-operation.

### Topics

The special Issue covers wide range of topics and some of them are listed below:

- Organization and Nature of Genes And Genomes
- Computational Analyses of Genes and Genomes
- Evolutionary and Population Genetics
- Mechanisms of Genetic Phenomena
- Genotype-Phenotype Relationships and Association
- Mechanisms of Gene Regulation
- Epigenetics and Epigenomics
- Chromatin Organization
- Chromosome Organization, Localization

Mechanisms of DNA Replication, other Mechanisms  
Mechanisms of RNA Processing  
Non-Protein-Coding RNAs  
Plant Germplasm Conservation and Utilisation  
Genetically modified crops  
Genetic Effects of Transposable Elements  
Gene Regulation in Response to Environmental Stress  
Genetic Control of Secondary Metabolic Pathways  
Profiling of Plant Gene Expression  
Plant Evolutionary Genetics  
Population Genetics, and Phylogenetics

## **Submissions**

All kinds of papers are invited. Please refer [Author guidelines](#) before submission. Author benefits for these submissions will be found at <http://symbiosisonlinepublishing.com/special-issues/>

Use the online [Manuscript Tracking System](#) to submit your papers or e-mail it to [gene@symbiosisonline.org](mailto:gene@symbiosisonline.org)

**Submissions are open from January 05, 2015**

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