



Plant Genetics and Breeding Research Progress in Genomics to Post-genomics Era

Guest Editor:

Dr. Manosh Kumar Biswas

Department of Genetics and
Genome Biology, College of Life
Sciences, University of Leicester,
Leicester, UK

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Message from the Guest Editor

Dear Colleagues,

Advances in next-generation sequencing technology have revolutionized plant genetics, genomics, and breeding research. High throughput sequencing-based approaches are being used for genome-wide association (GWAS), genomic selection (GS), Mut-map, genetic diversity, and population structure studies. On the other hand, the transcriptome sequencing approach is widely used for identifying gene functions, decoding pathways, and elucidating complex genetic regulation. The aim of this Special Issue is to bring to light the recent progress in the research of plant genetics, genomics, transcriptomics, and bio-informatics.

This Special Issue will focus include articles related to the following topics: Next generation sequencing, assembly, annotation; Genetic mapping, GWAS, multi-parental QTL mapping, and QTLseq; Genomic selection for complex traits; Whole-genome sequencing and resequencing efforts; Haplotype-based breeding; Population genomics, genetic diversity; Plant molecular evolution, genome structure, and genome plasticity; Genomics based precision breeding and novel trait introgression; Transcriptomics, miRNA; Comparative genomics; Epigenomics.





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Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
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Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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MDPI, St. Alban-Anlage 66
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