Special Issue

Molecular Genetics and Biotechnology of Crop Breeding

Message from the Guest Editors

A number of QTLs/genes for important traits including complex traits have been identified through QTL interval mapping/ GWAS and also successfully utilized in molecular breeding to improve the particular crop. Further, the utilization of omics approaches such as transcriptomics, metabolomics, proteomics, and gconomics has accelerated functional genomics studies, leading to an increased understanding of the molecular mechanism of trait variation at the genome-wide level. The comparative genomics approach has facilitated the identification of important genes in orphan crops using information available in model plates. These candidate genes can be functionally characterized using molecular tools and can be utilized in breeding programs. The current Special Issue focuses on the advancement in the existing knowledge of different molecular tools, genomic information, genes/QTLs identification, and molecular breeding techniques in all crops of importance. We welcome submissions of the original papers or reviews in the mentioned area.

Guest Editors

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Dr. Vijay Gahlaut
Dr. Deepmala Sehgal

Deadline for manuscript submissions

closed (20 March 2023)

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Editor-in-Chief

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