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Genetic Diversity and Molecular Breeding in Plants 2.0

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Message from the Guest Editors

Identification of superior germplasms from genebanks and plant-breeding programs is paramount. Technological advances in various genotyping technologies have made it feasible to genotype a large number of individuals at lower costs, paving the way for large-scale studies on plant germplasm characterization. Techniques for transcriptomics, proteomics, and metabolomics are also constantly improving, enabling novel insight into the molecular responses of plants under different conditions.

The Special Issue “Genetic Diversity and Molecular Breeding in Plants” will feature original research articles, literature reviews, and opinion papers on topics including (but not limited to) genetic diversity analysis of germplasm collections, phylogenetic analysis, development of genetic markers, genomic selection, genetic engineering, high-throughput phenotyping, estimation of genetic gain, relative selection efficiency, and new open-source plant-breeding software. It aims to provide novel insights and new perspectives on accelerating plant breeding to develop new cultivars for the changing climate.



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Special Issue



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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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