

Special Issue

Genetic Diversity, Breeding and Adaption Evolution of Plants

Message from the Guest Editor

This Special Issue aims to bring together insights from genetics, genomics, breeding, agronomy, and biotechnology to provide a comprehensive understanding of the role of genetic diversity in relation to plant improvement. The contributions included within this Special Issue cover a wide range of topics, including the characterization and utilization of genetic resources, the development and application of molecular markers for trait mapping and marker-assisted selection, the utilization of genomic selection for predicting breeding values, and the application of genomic technologies like genome editing and transgenics in breeding programs. Additionally, this Special Issue will explore the role of genetic diversity in addressing various biotic and abiotic stresses, such as pest and disease resistance, drought tolerance, and heat tolerance. This Special Issue will highlight the importance of preserving and utilizing genetic diversity in breeding programs to ensure the sustainability and resilience of agricultural systems in the face of climate change, population growth, and evolving pest and disease pressures.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Diversity (ISSN 1424-2818) is a scholarly journal that covers all areas of diversity research. Our distinguished editorial board and refereeing process ensures the highest degree of scientific rigor for publishing. Original research articles and timely reviews are released online, with unlimited free access.

We invite papers and reviews on multidisciplinary topics of diversity that bridge organismic diversity (systematics, biodiversity, phylogeny, population genetics, and evolution) and molecular diversity (phytochemistry and biophysics).

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