

Special Issue

Genetic Diversity and Plant Breeding

Message from the Guest Editor

The Special Issue “Genetic Diversity and Plant Breeding” aims to explore the crucial interplay between genetic diversity and the advancement of plant breeding strategies, with a particular focus on addressing different biotic and abiotic stresses. 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 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, the 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. We welcome all related submissions to this special issue.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2025)



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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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