

Special Issue

Shaping the Future of Plant Breeding: Harnessing Phenomic and Genomic Insights for Disease Resistance

Message from the Guest Editors

This Special Issue aims to gather cutting-edge research, technology, and advancements in the field of disease resistance breeding in agricultural crops, with a focus on modern phenomic and genomic technologies. We welcome original research articles and reviews in the following thematic areas:

- Quantitative trait loci (QTL) mapping, meta-QTL analyses, genome-wide association studies (GWAS), and fine mapping.
- Marker-assisted selection (MAS), genomic selection (GS), complex modeling, and gene pyramiding to enhance genetic gain across multiple traits and environments.
- Genome editing and genetic transformation using modern techniques such as CRISPR/Cas9.
- High-throughput phenotyping (HTP) using artificial intelligence (AI), unmanned aerial vehicles (UAVs), drones, and sensors to accelerate disease-resistance breeding.
- Use of double-haploids (DHs) for fast-track breeding in the context of global climate change.

Guest Editors

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Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet.

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Editor-in-Chief

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