Special Issue

Trends in Research on Plant Genetic Resources: Insects, Plant Diseases, and Genetic Diversity

Message from the Guest Editors

As global agricultural systems face unprecedented challenges due to climate change, the need for resilient crops that can withstand the pressures of pests and plant diseases has become increasingly critical. Plant genetic resources are at the heart of this endeavor. providing the essential genetic diversity needed to develop crop varieties that can thrive in a changing environment Recent advancements in genomics, phenomics, and molecular biology have opened new avenues for utilizing plant genetic resources to combat the dual threats of insects and plant diseases. This Special Issue aims to showcase cutting-edge research in this field, highlighting innovative strategies for managing pests and diseases through the application of genetic resources. We invite contributions that delve into various aspects of this topic, including but not limited to:

- The discovery and characterization of genetic resources that confer resistance to pests and diseases.
- Innovative approaches to pest and disease management using plant genetic diversity.
- Case studies that demonstrate the practical application of genetic resources in enhancing crop resilience.

Guest Editors

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Deadline for manuscript submissions

closed (20 June 2025)



Plants

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/215596

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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.

Editor-in-Chief

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