

Special Issue

Next-Generation Plant Phenomics: Bridging Genomics, AI, and Genetic Resources

Message from the Guest Editors

This Special Issue, “Next-Generation Plant Phenomics: Bridging Genomics, AI, and Genetic Resources”, aims to explore emerging trends and future directions in plant phenotyping. We particularly welcome submissions that address the integration of phenotypic and genomic data, the development of scalable and adaptable phenotyping tools, and innovative approaches to characterising plant diversity under real-world and controlled conditions. Special attention will be given to technologies that enhance our ability to assess large germplasm collections efficiently, facilitate climate-resilient breeding, and improve our understanding of plant adaptation and evolution. We invite researchers, breeders, and technologists to contribute original research articles, reviews, or perspective pieces that reflect on the technological, methodological, and conceptual advances shaping the future of plant phenomics.

Guest Editors

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Deadline for manuscript submissions

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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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