

Special Issue

Biotechnological Advances for Crop Improvement and Sustainable Agriculture

Message from the Guest Editor

The world's population is increasing day by day and will reach 10 billion by 2050. It is important to produce enough high-quality, nutritious food to feed 10 billion people in the scenario of unpredictable climate change. Therefore, this Special Issue aims to provide an understanding of recent technological advancements that improve crop yield under various climatic conditions with no nutritional penalties. This issue has a particular interest in research on genome editing techniques used for crop improvement and nutritional quality, environmental adaptability, biotic/abiotic stress management, genomics and bioinformatic resources, genetic engineering, and plant breeding.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2025)



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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

Prof. Dr. Dilantha Fernando

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