

Special Issue

Genetic Diversity, Germplasm Resources, and Biotechnological Applications for Sustained Crop Improvement

Message from the Guest Editors

Along with the increased frequency of extreme weather events around the world, developing strategies to continue to improve crop yield and quality has become a major challenge. Accelerating crop improvement through the development of new germplasm resources with increased adaptation to adverse environmental factors is still an effective way to increase grain production. Germplasm resources are a crucial resource to conserve genetic diversity, and can also provide a source of novel traits essential for sustained crop improvement. This Special Issue focuses mainly on exploring the genetic diversity and germplasm resources associated with altered tolerance to environmental stresses. There is particular interest in research on the molecular basis of novel alleles and key traits, and their potential biotechnological applications in molecular breeding. The aim of this Special Issue is to provide a better understanding of genetic diversity, germplasm resources, and new biotechnologies for the development of environmental-stress-tolerant plants for sustained crop improvement.

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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, and 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.

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