

Special Issue

Pre-breeding towards the Effective Utilization of Plant Genetic Resources

Message from the Guest Editor

Pre-breeding is the first key step in utilizing the genetic diversity present in germplasm collections. It encompasses activities designed to identify agronomic traits and/or genes of interest from un-adapted plant materials that cannot be used directly in breeding and introgressing them into an intermediate form of materials that breeders can readily use to produce improved crop varieties. This Special Issue on “Pre-Breeding toward the Effective Utilization of Plant Genetic Resources” includes papers on both basic and applied research highlighting all aspects of pre-breeding activities from the evaluation of plant genetic resources to identify donors for desirable agronomic traits to the transfer of these target traits into well-adapted genetic backgrounds by hybridizations to generate populations that can be used for actual breeding programs.

Guest Editor

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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.

Editor-in-Chief

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