

Special Issue

Modern Breeding Tools for Crop Genetic Improvement

Message from the Guest Editor

In the present scenario, crop yields must be increased to meet future global food demand. Plant breeding plays a pivotal role in changing certain traits of crop plants. However, conventional plant breeding methods take more time in developing and delivering crops with desired traits. Modern breeding tools such as Double Haploid technology, marker-assisted breeding, genomics, genetic engineering, RNAi, and genome editing methodologies have been used for crop genetic improvement. The creation of transgene-free edited plants to ensure genomic stability is a major challenge within genome editing. This Special Issue of *Plants* will include articles discussing crop improvement through modern breeding technologies.

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.

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