Special Issue

Development and Application of Advanced Genetics Methods to Orphan Crops

Message from the Guest Editors

The availability of optimized breeding methods (e.g., speed breeding) and affordable massively parallel sequencing technologies is enabling the rapid development of molecular toolkits for neglected cultivated plants, the so-called orphan crop species, which have only received minor attention in the past. The combination of high-throughput genomic approaches with advanced genetic analysis methods has paved the way to quickly identifying genetic variants underlying traits of agronomic interest in these species. Appropriate topics for this Special Issue might include the development and application of advanced genetic, genomic, and bioinformatic methods (e.g., de novo transcriptome or genome assemblies, mapping-by-sequencing, GWAS, speed breeding, and other related subjects), as well as studies of genes or gene families relevant to the domestication process and the development of agronomic traits in the species of interest. For this Special Issue, we welcome any original research or review articles that highlight recent advances in these areas.

Guest Editors

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Deadline for manuscript submissions

closed (31 October 2021)

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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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