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Development and Application of Advanced Genetics Methods to Orphan Crops

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Deadline for manuscript
submissions:
closed (31 October 2021)

Message from the Guest Editors

Dear Colleagues,

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.



mdpi.com/si/60276

Special Issue



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Message from the Editor-in-Chief

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