Special Issue

Genetic Identification and Characterisation of Crop Agronomic Traits and Stress Resistance

Message from the Guest Editors

With the increasing global human population, there is a continuous demand for food supply and climate change scenarios pose an additional threat to agricultural production worldwide. Therefore, we rely on continuous genetic gains and genetically driven approaches for crop improvement. The identification of loci for agronomic traits and their genetic characterisation are crucial for breeding new varieties. The introduction of new adaptive alleles in diverse genetic backgrounds helps to improve grain yield or develop newer crop varieties to balance supply and demand globally. The availability of large-scale genomic resources provides an opportunity to discover genetic and molecular mechanisms behind plant responses to different environmental stresses. Integrating various omics technologies into routine breeding pipelines will support the delivery of cultivars with robust yield and improved quality. In this Special Issue, we aim to bring together research papers and reviews on using plant genetic and genomic resources for enhancing key agronomic traits in the current plant breeding scenario.

Guest Editors

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Deadline for manuscript submissions

closed (25 November 2023)

Agronomy

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.7

mdpi.com/si/144221

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Editor-in-Chief

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