

Special Issue

Molecular Genetics, Genomics and Breeding of Cereal Crops

Message from the Guest Editors

The improvement of crop yield has been a fundamental human goal since cultivation began. Cereal crops, including wheat, rice, corn, barley, oat, rye, millet, and sorghum from the *Poaceae* family, are considered to be the main source of human dietary calories and animal feeding. While modern cereal breeding continues to select for better yield, further optimization of yield-related traits under various conditions is essential to meet the predicted increases in grain demand. Understanding cereal yield and translating this knowledge in breeding programs is an elusive target for cereal crop breeders. The knowledge gained from this Special Issue will play a fundamental role in cereal yield improvement. Therefore, we encourage the submission of novel studies addressing QTL, GWAS, GS, transcriptomics, bioinformatics, and genomics aimed to understand and improve yield and related characters in cereal crops.

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