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Molecular Breeding Approaches to Improve Stress Resistance in Wheat

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Deadline for manuscript submissions:
closed (20 March 2024)

Message from the Guest Editors

Wheat is one of the most important crops in the world. With the availability of the wheat genomic DNA sequence, molecular breeding approaches have advanced significantly. Developments in mapping techniques, gene cloning, and the use of functional genes in wheat genetic improvement have played a significant role. Biotic and abiotic stresses always threaten wheat production, causing significant losses annually. Major biotic stresses include fungal, bacterial, viral, and nematode pathogens, whereas abiotic stresses include drought, salt, heat, cold, and heavy metals. Multiple approaches have been used in wheat breeding to address these issues. Several stress-resistance genes have been identified and localized to wheat chromosomes. Given these developments, this Special Issue of *Agriculture* focuses on highlighting the achievements and ongoing efforts aiming to breed wheat for stress resistance. Different article types, such as original research articles, opinions, and reviews, are welcome.

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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