



Breeding Cereals for Improved Agronomic and Quality Traits under Adverse Environmental Conditions

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Message from the Guest Editors

Cereals are an important component of daily diets worldwide and play a key role in ensuring food security. To ensure food security, food production must increase by at least 60 percent to meet the needs of future populations. Significant variation among genotypes and environments has been reported for different agronomic and quality traits of cereal crops, and their interaction has often been shown to contribute to a great proportion of overall trait variation. High variation in environmental conditions across locations and years, significantly influenced by increasing incidence of various biotic and abiotic stresses, usually increases the $G \times E$ component of variation and consequently decreases the heritability of a trait and its response to selection. Therefore, breeding efforts for increased stress tolerance can contribute significantly to the overall stability of grain yield and quality in cereal varieties.

This Special Issue (SI) aims to collect reliable information and experiences from around the world on genetic and breeding aspects of tolerance of cereal crops to biotic and abiotic stresses. The SI is open to research articles, opinions, reviews, and perspectives.





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Message from the Editor-in-Chief

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