

## Special Issue

# Mining of Stress-Resistance Gene in Wheat

### Message from the Guest Editors

Wheat is one of the most important staple cereal crops all over the world, providing approximately 20% of calories for human consumption with a total production of more than 600 million tonnes annually. Due to global climate change, abiotic stress is becoming the main limiting factor for wheat production, including drought, high/low temperatures and salt stresses. Plants have evolved sophisticated defense systems to cope with these abiotic stresses in the long-term adaptation process. Mining and utilization of stress-resistance genes holds the promise for breeding wheat varieties with the stress resilience to overcome the challenge of global food security due to climate change and population booming. This Special Issue entitled “Mining of Stress-Resistance Gene in Wheat” will include papers that focus on the study of exploring stress-resistance genes in wheat; these will include, but are not limited to, the mapping and cloning of genes associating with abiotic stresses, and functional validation as well as decipher the genetic basis and potential mechanisms underlying stress resistance based on multi-omics studies.

### Guest Editors

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### Deadline for manuscript submissions

closed (30 December 2024)



## Plants

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### Message from the Editor-in-Chief

*Plants* is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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### Editor-in-Chief

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