

## Special Issue

# Advances in Breeding and Genetics of Wheat

### Message from the Guest Editors

As one of the most important staple crops, bread wheat (*Triticum aestivum* L.), with approximately 765 million tonnes produced annually, provides carbohydrates, protein, vitamins, fibre, and minerals to 30%~40% of people in the world. In the past, growers mainly paid attention to their wheat yield. Currently, wheat production is facing new challenges with global climate change, the increasing population, and the demand for high-quality products. Although many researchers have conducted studies aiming to improve the yield, biotic and abiotic stress, plant development, and seed quality of wheat, further investigation is needed to understand these mechanisms using transgene methods, multi-omics, genome-wide association studies, and physiology. The aim of this Special Issue is to gather significant research in order to understand the genetics and physiological regulation mechanisms of these important traits in wheat. Gene function analyses and multi-omics approaches to these analyses are encouraged. But our interest is not limited to these methods.

### Guest Editors

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### Deadline for manuscript submissions

closed (25 January 2025)

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## Genes

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*Genes* is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan  
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