



## Genetics, Genomics, and Genetic Improvement of Wheat

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### Message from the Guest Editors

Wheat is the largest cultivated crop in the world, with more than 80% of worldwide production used for human consumption. There are critical challenges that wheat-breeding programs are facing in the current genomics era and within a climate change scenario. There is a need to deepen into the genetic control of key agronomic traits (by QTL mapping or genome-wide association studies) with the incorporation of genomic tools (i.e., marker-assisted selection, genomic selection, genome editing) in the breeding programs for the development of advanced cultivars. To achieve this objective, the use of the genetic variation present within germplasm collections is of crucial importance. All these approaches must lead to cultivars reaching a high and stable production under contrasting environments and the pressure of different diseases, with a high grain quality matching the industry requirements.

This Special Issue focuses on studies in wheat genetics and genomics with a major emphasis on the impact of these in breeding for adaptability, resistance, and quality. We welcome novel research and reviews covering all the related topics.





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## Message from the Editor-in-Chief

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