

## Special Issue

# Genetics, Genomics, and Genetic Improvement of Wheat

### 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.

### Guest Editors

Dr. Patricia Giraldo

Department of Biotechnology-Plant Biology, School of Agricultural, Food and Biosystems Engineering, Universidad Politécnica de Madrid, 28040 Madrid, Spain

Dr. José Miguel Soriano

Sustainable Field Crops Programme, Institute for Food and Agricultural Research and Technology (IRTA), 25198 Lleida, Spain

### Deadline for manuscript submissions

closed (20 October 2021)



## Agriculture

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*Agriculture*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[agriculture@mdpi.com](mailto:agriculture@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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### Editor-in-Chief

Prof. Dr. Les Copeland

Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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