



## **Genomic Strategies for Genetic Resources Characterization to Face the New Challenges of Wheat Breeding**

Guest Editors:

**Dr. Francesca Taranto**

Institute of Biosciences and  
Bioresources (CNR-IBBR),  
National Research Council of  
Italy, 70126 Bari, Italy

**Dr. Salvatore Esposito**

CREA Research Centre for Cereal  
and Industrial Crops, 71122  
Foggia, Italy

Deadline for manuscript  
submissions:

**closed (25 April 2022)**

### **Message from the Guest Editors**

Wheat is one of the most relevant staple crops on earth since it is considered an important source of components that are essential or beneficial for human health.

In recent decades, climate changes have affected wheat production worldwide, raising major concerns for national and international food security. Fortunately, biodiversity significantly contributes to climate change adaptation and mitigation. Therefore, harnessing genetic resources in wheat is useful for developing genotypes resilient to climate change. To date, germplasm collections, including wild relatives and landraces, are a largely untapped source of desirable traits. In addition, recent advances in genomics are boosting the exploitation of the genetic diversity within wild relatives and landraces.

In this Special Issue, we welcome original articles and reviews (a reduced number) dealing with topics related to the use of the genetic resources of wheat to identify and/or develop new cultivars with superior alleles that can better adapt to climate change.





an Open Access Journal by MDPI

## **Editor-in-Chief**

### **Prof. Dr. Peter Langridge**

School of Agriculture, Food and  
Wine, University of Adelaide,  
Urrbrae, SA 5064, Australia

## **Message from the Editor-in-Chief**

*Agronomy* draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet. *Agronomy* is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

## **Author Benefits**

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, and other databases.

**Journal Rank:** JCR - Q1 (*Agronomy*) / CiteScore - Q1 (*Agronomy and Crop Science*)

## **Contact Us**

---

*Agronomy* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/agronomy](http://mdpi.com/journal/agronomy)  
[agronomy@mdpi.com](mailto:agronomy@mdpi.com)  
[X@Agronomy\\_Mdpi](https://twitter.com/Agronomy_Mdpi)