



## Genomics and Genetic Improvement of Bast Fiber Plants

Guest Editors:

**Prof. Dr. Siyuan Zhu**

Institute of Bast Fiber Crops,  
Chinese Academy of Agricultural  
Sciences, Changsha 410205,  
China

**Prof. Dr. Mingbao Luan**

Institute of Bast Fiber Crops,  
Chinese Academy of Agricultural  
Sciences, Changsha 410205,  
China

Deadline for manuscript  
submissions:

**31 May 2024**

### Message from the Guest Editors

Bast fiber is one of the most important fibers. With the development of sequencing technology, reference genomes for major bast fiber crops have been released. Based on the reference genome and transcriptome sequencing, a large number of candidate genes related to fiber development and specific traits have been mined. The molecular basis of the formation of agronomic traits such as fiber yield, fiber quality, disease resistance, and resistance has been systematically analyzed, contributing to the establishment of a high-throughput genotype–phenotype database, where excellent genetic resources and new germplasms have been mined to breed new varieties of bast fiber crops with high yield and high quality. This Special Issue is to gather and disseminate some of the most significant and recent contributions on the latest developments and advances in the application of the genomics and genetic breeding of bast fiber crops. The topics include, but are not limited to, the following: gathering and disseminating some of the most significant and recent contributions on the latest developments and advances in the application of the genomics and genetic breeding of bast fiber crops.





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

mdpi.com/journal/agronomy  
agronomy@mdpi.com  
X@Agronomy\_Mdpi