

## Special Issue

# Genetics, Genomics, and Breeding of Legume Crops

### Message from the Guest Editor

Legume crops are grown around the world, which are widely used for human and animal consumption or for the production of oils for industrial uses. Broadly, legumes include many well-known crops, such as soybean, common bean or dry bean, peas, lentils, alfalfa, clover, etc. Another distinctive nature of legume crops is the nitrogen-fixing function. Genetic improvements have been a key to the growth of crop production and will continuously contribute to sustainable agriculture and food security. Presently, plant genetic improvements are in the middle of an evolution, from field-based traditional breeding to a new era of applications of multiple novel techniques, such as marker-assisted selection, genomic prediction and gene-editing, which will be integrated with conventional methods in practical breeding. Research has involved all the traits of importance, including yield, quality, resistance to pests/diseases and abiotic stresses for the present. This Special Issue will provide a platform to present and discuss related topics of research, progress and trend in genetic, genomics and breeding of legume crops.

---

### Guest Editor

Dr. Guo-Liang Jiang

Agricultural Research Station, Virginia State University, PO Box 9061, Petersburg, VA 23806, USA

---

### Deadline for manuscript submissions

closed (30 June 2020)



## Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/16981](https://mdpi.com/si/16981)

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

[mdpi.com/journal/  
agronomy](https://mdpi.com/journal/agronomy)





# Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/journal/  
agronomy](https://mdpi.com/journal/agronomy)



## About the Journal

### 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.

---

### Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,  
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

---

### 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), GEOBASE, PubAg, AGRIS, and other databases.

#### Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)