

## Special Issue

# Plant Photosynthesis: From Molecules to Remote Sensing

### Message from the Guest Editors

The photosynthetic activity of plants ensures our food, materials, feeds, and drugs. Understanding these photosynthetic mechanisms of plants is necessary to plan effective actions that enable the preservation of natural ecosystems and agricultural productivity against climate change. In addition, global changes have been affecting crop production and may lead to a food crisis for humans. Manipulative and monitoring studies on plant photosynthetic physiology responses to different environmental factors, including biotic and abiotic environments, have informed the future possible adaptation of plants to global change and their mitigation roles. This Special Issue of *Agronomy* will highlight the mechanisms of photosynthetic responses to different environmental factors. Moreover, we also welcome any field related to plant photosynthetic research. In addition, a broad range of studies from molecular to remote sensing using any tools are within the scope of this Special Issue. Original research papers, reviews, and short communications on this topic are welcome.

---

### Guest Editors

Dr. Xiaoying Liu  
Dr. Mengyuan Huang  
Prof. Dr. Wenbin Zhou

---

### Deadline for manuscript submissions

closed (28 August 2022)



## Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/89676](https://mdpi.com/si/89676)

*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)