

# Special Issue

## Data-Driven Agricultural Innovations

### Message from the Guest Editor

The agricultural sector has a rich history of innovations and adoption of novel technologies for productivity increase, risk reduction, and sustainability improvement. There is a growing trend of digital and communications technology uptake by farmers and policy makers alike to address issues that have arisen due to climate change, scarcity of resources, rising global population, disruption of supply chains by the pandemic and by natural disasters, etc., which can hamper efficiency and significantly impact business models in the agricultural sector. The opportunities are numerous, but they also come with new challenges. This Special Issue will cover “Data-Driven Agricultural Innovations” across different data scales and resolutions. Contributions are welcome to address key issues in data collection, (big) data analysis, data storage, data management, and data transfer and sharing through applying scientific approaches and methodologies from multiple disciplines, including Artificial Intelligence, machine learning, computer vision, data science, geographical information system, remote sensing, crop science, horticulture, and animal science, to name a few.

---

### Guest Editor

Dr. Paul Kwan

School of Engineering and Technology, CQUniversity Brisbane, 160 Ann St., Brisbane City, QLD 4000, Australia

---

### Deadline for manuscript submissions

closed (15 October 2021)



## Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 6.2



[mdpi.com/si/83029](https://mdpi.com/si/83029)

*Agronomy*

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 3.3  
CiteScore 6.2



[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), PubAg, AGRIS, and other databases.

#### Journal Rank:

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