

## Special Issue

# Agricultural Pollution: Toxicology and Remediation Strategies

### Message from the Guest Editors

The agricultural environment is facing a range of issues such as waste pollution, vegetation deterioration, soil and water pollution, and others, as a result of the rapid growth of economies and populations. Heavy metals, pesticides, and other dangerous contaminants, like perfluorinated compounds, nanomaterials, antibiotics, antibiotic resistance genes, and microplastics, have recently garnered a great deal of attention as these problems jeopardize human health and the sustainable growth of communities, in addition to upsetting the ecological balance of these areas. We have therefore launched a Special Issue of *Agronomy* on “Agricultural Pollution: Toxicology and Remediation Strategies” based on the aforementioned circumstances, with an emphasis on:

- Toxicological study of agricultural environmental pollutants;
- Research on green and low-carbon remediation technologies for agricultural environmental pollutants;
- Research on reduction or substitution technologies for chemical fertilizers and pesticides;
- Research on the resource utilization of agricultural environmental pollutants.

### Guest Editors

Dr. Hongzhi He

Guangdong Laboratory for Lingnan Modern Agriculture, Guangdong Provincial Key Laboratory of Agricultural & Rural Pollution Abatement and Environmental Safety, College of Natural Resources and Environment, South China Agricultural University, Guangzhou 510642, China

Prof. Dr. Guikui Chen

Guangdong Laboratory for Lingnan Modern Agriculture, Guangdong Provincial Key Laboratory of Agricultural & Rural Pollution Abatement and Environmental Safety, College of Natural Resources and Environment, South China Agricultural University, Guangzhou 510642, China.

### Deadline for manuscript submissions

1 September 2025



## Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/228327](https://mdpi.com/si/228327)

*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), PubAg, AGRIS, and other databases.

#### Journal Rank:

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