

Special Issue

Preparation, Function and Application of Agrochemicals

Message from the Guest Editors

The Special Issue will highlight cutting-edge research in agrochemical science. This includes the following:

- The use of nanotechnology in agrochemical delivery systems for enhanced targeting and reduced environmental exposure.
- The development of biopesticides and biofertilizers derived from natural sources.
- The application of genomics and proteomics in understanding the mode of action of agrochemicals and resistance mechanisms in pests.
- The integration of agrochemicals with other pest control methods.
- The development of decision support systems for the optimal use of agrochemicals based on environmental and economic factors.

Potential topics include but are not limited to the synthesis and characterization of new agrochemical compounds, the evaluation of the efficacy and safety of novel agrochemical formulations, studies on the environmental fate and impact of agrochemicals, field studies on the application of agrochemicals when integrated pest management systems, the analysis of economic and social implications of agrochemical use, and reviews on the current state and future prospects of agrochemical research and development.

Guest Editors

Prof. Dr. Yan Wang

Institute of Environment and Sustainable Development in Agriculture,
Chinese Academy of Agricultural Sciences, Beijing 100081, China

Prof. Dr. Kun Qian

College of Plant Protection, Southwest University, Chongqing 400716,
China

Deadline for manuscript submissions

15 December 2025



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



mdpi.com/si/212131

Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

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





Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



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



About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

Editor-in-Chief

Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental
Sciences, The University of Sydney, Sydney, NSW 2006, 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, RePEc, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)