

Special Issue

Pesticide Application Technology in Cropping Systems

Message from the Guest Editors

Pesticide application plays a leading role in the control of plant pests, but improper pesticide application causes concerns, which is an imperative challenge for agro-forestry production. Therefore, pesticide application technology has been widely studied. This Special Issue focuses on building a community of scholars to discuss the latest research experiences and develop new ideas and research directions. As environment-friendly and intelligent pesticide application technology is of importance, this Special Issue will include the identification of pest targets, pesticide spraying and dusting, pesticide injection, pesticide mopping and painting, fumigation treatment, pest baits application, and pesticide seed treatment. It will include the key technologies for pesticide spraying systems, such as atomizing and nozzles, inline mixing, variable-rate technology, droplet drift control, electrostatic spraying, and intelligent profiling and targeting spraying. The Special Issue will create a collection of papers on "Pesticide Application Technology in Cropping Systems". We would like to invite scholars to contribute articles to this peer-reviewed Special Issue.

Guest Editors

Prof. Dr. Jiaqiang Zheng

College of Mechanical and Electronic Engineering, Nanjing Forestry University, Nanjing 210037, China

Prof. Dr. Youlin Xu

College of Mechanical and Electronic Engineering, Nanjing Forestry University, Nanjing 210037, China

Deadline for manuscript submissions

closed (10 May 2024)



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 4.9



mdpi.com/si/173004

Agriculture

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 3.3
CiteScore 4.9



[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, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

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)