

## Special Issue

# Comprehensive Application and Prospects of New Technologies for Plant Protection

### Message from the Guest Editors

The application of novel technologies for plant protection, including RNA interference (RNAi), artificial intelligence (AI) methods, nanotechnology, omics analysis, bioinformatics, gene editing, etc., has profoundly transformed traditional agriculture. These cutting-edge technologies offer diverse and promising applications, revolutionizing the prevention and management of crop pests and diseases. Their extensive research prospects and practical value underscore their significance. The purpose and scope of this Special Issue involve exploring the applications of these novel technologies in agriculture while fostering innovation and sustainable development in crop protection. We invite authors to submit original research (including concise communications) and unique reviews that contribute to the utilization of multiple novel techniques in agriculture. Subtopics of particular interest include (but are not limited to) the following:

- RNA interference (RNAi) technology
- Artificial intelligence (AI) methods
- Nanotechnology and new materials
- Omics analysis techniques
- Bioinformatics applications
- Gene editing techniques
- Imaging technologies

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### Guest Editors

Prof. Dr. Shuo Yan

Dr. Xiaofeng Su

Dr. Xiangrui Li

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### Deadline for manuscript submissions

closed (20 September 2024)



## Agriculture

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*Agriculture*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[agriculture@mdpi.com](mailto:agriculture@mdpi.com)

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## 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.

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### 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

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