

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

Guest Editors

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Deadline for manuscript submissions

closed (20 September 2024)



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About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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