

Special Issue

Nanotechnology in Plant Disease Management: Progresses, Challenges, and Perspectives

Message from the Guest Editor

In recent years, nanotechnology has unlocked new avenues for tackling the issues of disease management. The prepared nanoparticles can be employed both independently and as carriers to develop novel fungicides and double-stranded RNA for RNA-interference (RNAi)-mediated protection. Despite the numerous benefits of nanotechnology and an upward trend in related publications and patents, its agricultural applications have not yet reached the market. The incorporation of new tools and techniques in agricultural nanotechnology is essential to produce comprehensive data for analysis, characterization, and risk assessment, which is crucial for improved regulatory evaluation and addressing environmental concerns. This special edition of *Agriculture* will focus on nanotechnology in Plant Disease Management, including the chemistry of nanoparticles, their role in managing crop diseases, the interaction of nanoparticles with the environment, and the risk assessment and regulatory evaluation of nanoparticle-based agricultural products.

Guest Editor

Dr. You Liang

Jiangsu Key Laboratory of Crop Genomics and Molecular Breeding/Zhongshan Biological Breeding Laboratory, Key Laboratory of Plant Functional Genomics/Ministry of Education, Agricultural College, Yangzhou University, Yangzhou 225009, China

Deadline for manuscript submissions

closed (15 August 2024)



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



mdpi.com/si/197869

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), GEOBASE, PubAg, AGRIS, RePEc, and other databases.

Journal Rank:

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