

## Special Issue

# Antibiotic Detection in Animal-Derived Agricultural Products

### Message from the Guest Editors

Antibiotic residues in animal-derived agricultural products pose significant risks to food safety and public health by contributing to antibiotic resistance and potential allergic reactions, necessitating effective detection methods. Current approaches include highly sensitive instrumental techniques such as liquid chromatography–tandem mass spectrometry (LC-MS/MS), gas chromatography–mass spectrometry (GC-MS), and high-performance liquid chromatography (HPLC), typically combined with sample preparation methods like solid-phase extraction (SPE), QuEChERS, or accelerated solvent extraction (ASE). Emerging technologies like nanomaterials-based sensors and artificial intelligence-assisted analysis show promise for improving sensitivity and reducing detection time, highlighting the need for continuous innovation to ensure regulatory compliance and consumer safety. We also encourage the submission of review articles covering diverse detection technologies for antibiotic residues in animal-derived agricultural products.

### Guest Editors

Prof. Dr. Genxi Zhang

College of Animal Science and Technology, Yangzhou University,  
Yangzhou 225009, China

Dr. Bo Wang

College of Food Science and Engineering, Yangzhou University,  
Yangzhou 225009, China

### Deadline for manuscript submissions

10 October 2026



## Agriculture

an Open Access Journal  
by MDPI

Impact Factor 3.6  
CiteScore 6.3



[mdpi.com/si/260001](https://mdpi.com/si/260001)

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