

## Special Issue

# Gastrointestinal Microbiota of Livestock

### Message from the Guest Editors

Recent decades have witnessed the development of the gut microbiome via the application of fecal bacterial transplantation, a germ-free model, meta-omics approaches, and novel bioinformatics tools. In livestock, gastrointestinal microbiota has been identified in associations with gut infections, growth performance, the host metabolism, and meat quality, while specific mechanisms are not fully studied. The goal of this Special Issue is, therefore, to collate state-of-the-art research focused on compositions of gastrointestinal microbiota in different livestock and molecular mechanisms in animal economic characters. We seek the submission of articles around, but not limited to, the following subtopics:

- Screening and isolation of probiotics from livestock;
- Identification and pathogenesis of pathogens in livestock;
- Gut microbial responses to antibiotic exposures in livestock;
- Colonization of probiotics and pathogens in livestock;
- Quorum sensing in livestock.

---

### Guest Editors

Prof. Dr. Jie Yin

Prof. Dr. Yingping Xiao

Dr. Jie Ma

---

### Deadline for manuscript submissions

closed (30 April 2022)



## Antibiotics

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.6  
CiteScore 8.7  
Indexed in PubMed



[mdpi.com/si/78064](https://mdpi.com/si/78064)

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

[mdpi.com/journal/  
antibiotics](https://mdpi.com/journal/antibiotics)





# Antibiotics

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.6  
CiteScore 8.7  
Indexed in PubMed



[mdpi.com/journal/  
antibiotics](https://mdpi.com/journal/antibiotics)



## About the Journal

### Message from the Editor-in-Chief

There are very few fields that attract as much attention as scientific endeavor related to antibiotic discovery, use and preservation. The public, patients, scientists, clinicians, policy-makers, NGOs, governments, and supra-governmental organizations are all focusing intensively on it: all are concerned that we use our existing agents more effectively, and develop and evaluate new interventions in time to face emerging challenges for the benefit of present and future generations. We need every discipline to contribute and collaborate: molecular, microbiological, clinical, epidemiological, geographic, economic, social scientific and policy disciplines are all key. *Antibiotics* is a nimble, inclusive and rigorous indexed journal as an enabling platform for all who can contribute to solving the greatest broad concerns of the modern world.

---

### Editor-in-Chief

Prof. Dr. Nicholas Dixon  
School of Chemistry and Molecular Bioscience, University of  
Wollongong, Wollongong, NSW 2522, 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), PubMed, PMC, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Infectious Diseases) / CiteScore - Q1 (General Pharmacology, Toxicology and Pharmaceutics)