



## Antimicrobial Resistance in Foodborne Pathogens

Guest Editors:

**Prof. Dr. Tetsuo Asai**

Department of Applied Veterinary  
Sciences United Graduate,  
School of Veterinary Sciences,  
Gifu, Japan

**Prof. Dr. Yoshimasa Sasaki**

Department of Veterinary  
Medicine, Obihiro University of  
Agriculture and Veterinary  
Medicine, Obihiro, Japan

Deadline for manuscript  
submissions:

**closed (15 April 2024)**

### Message from the Guest Editors

Dear Colleagues,

Antimicrobial-resistant bacteria in food-producing animals are of great concern in human health, animal health, and the environment based on the One Health approach. Antimicrobials used in livestock production can cause the emergence and prevalence of antimicrobial-resistant bacteria such as *Escherichia coli*, *Campylobacter* spp., *Salmonella* spp., and *Staphylococcus aureus* in food-producing animals as well as their release into the environment via sewage and compost from production sites. In addition, the cross-contamination of meat and the discharge of sewage during the slaughter process can contaminate meat and the environment. This second edition of the Special Issue aims to collect original research and review articles as well as opinion papers on the epidemiology of antimicrobial resistance in bacteria in food-producing animals and retail meats, and on the release of antimicrobial-resistant bacteria from livestock production, including slaughterhouses, to the environment.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Nicholas Dixon

School of Chemistry and  
Molecular Bioscience, University  
of Wollongong, Wollongong, NSW  
2522, Australia

## 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 disciples 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.

## 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, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (General Pharmacology, Toxicology and Pharmaceutics)

## Contact Us

---

*Antibiotics* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/antibiotics  
antibiotics@mdpi.com  
X@antibioticsmdpi