



## Recent Advances in Antibiotic and Antibiotic Resistance Research in Food

Guest Editors:

**Prof. Dr. David Rodríguez-Lázaro**

1. Microbiology Division, Faculty of Sciences, University of Burgos, Burgos, Spain  
2. Centre for Emerging Pathogens and Global Health, University of Burgos, Burgos, Spain

**Dr. María Ugarte Ruiz**

Servicio de Zoonosis de Transmisión Alimentaria y Resistencia a Antimicrobianos (ZTA), VISAVET, Universidad Complutense de Madrid, 28040 Madrid, Spain

**Dr. Ueli von Ah**

Agroscope, 3003 Bern, Switzerland

### Message from the Guest Editors

Dear Colleagues,

In recent years, a growing body of evidence has indicated that the food production chain may play a key role in the transmission of antimicrobial resistance among microorganisms present in food. Therefore, great efforts have been made to redirect antibiotic therapies in primary production, and extensive work has also been developed to try to understand at what points in the food chain the antimicrobial resistance transmission can be controlled and reduced. This Special Issue welcomes both research and review papers on the most recent and innovative developments of antibiotics and antimicrobial resistance in foods.

Keywords: antimicrobial resistance; antibiotic chemotherapy in animals; food safety; food chain; animal production; alternative animal chemotherapy

Deadline for manuscript submissions:

**closed (31 May 2023)**





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, Grosspeteranlage 5  
4052 Basel, Switzerland

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

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