

Special Issue

Monitoring and Surveillance of Veterinary Antimicrobial Use and Antibiotic Resistance in Animals

Message from the Guest Editor

Antimicrobial resistance is a global One Health topic that affects us all, whether we are working in human or veterinary medicine. While antibiotic use in farm animals is decreasing in many countries, other nations are still using these essential medical resources as growth promoters for economic gain. As veterinarians responsible for animal welfare, it is vital that we are permitted to treat sick animals effectively, but we must learn to be more prudent in our use of these drugs. It is essential that we, as responsible clinicians, policy makers and researchers, develop methods of quantifying, monitoring, benchmarking, and reporting antibiotic use in both farm and companion animals, so that antimicrobial stewardship schemes can be implemented and their successes or failures analysed. This Special Issue therefore particularly encourages submissions in these areas of antibiotic use monitoring. The relationship between antimicrobial use and resistance in animals also requires further investigation, and we welcome submissions in this area as well.

Keywords: veterinary, antimicrobial resistance, animal, food safety, monitoring, stewardship, metrics

Guest Editor

Dr. Clair L. Firth

Unit of Veterinary Public Health & Epidemiology, Institute of Food Safety, Food Technology and Veterinary Public Health, University of Veterinary Medicine, Vienna, Austria

Deadline for manuscript submissions

closed (31 December 2021)



Antibiotics

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/56843

Antibiotics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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, CAPlus / SciFinder, and other databases.

Journal Rank:

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