

Special Issue

Detection of Bacteria and Antibiotics Surveillance in Livestock

Message from the Guest Editor

Because the borders between countries are wide open and there is a free movement of goods, people and animals, the spread of infectious diseases is significantly facilitated. Viral and bacterial infectious diseases represent one of the main causes of death worldwide, in both human and veterinary medicine. However, it is also necessary to mention their negative impact on productivity and the economy. Therefore, it is necessary to detect pathogenic bacteria in different livestock by employing the most suitable methods, in regard to the sample type, the timescale of obtaining results, and costs. Antimicrobial resistance (AMR) is closely related to the pathogenic bacteria present in livestock. It is therefore necessary to monitor data on the incidence of AMR throughout the entire food chain, from farm to table, using methods that enable an easier comparison between results and their further analysis.

Guest Editor

Dr. Danijela Horvatek Tomić

Department of Poultry Diseases with Clinic, Faculty of Veterinary Medicine, University of Zagreb, Heinzelova 55, 10000 Zagreb, Croatia

Deadline for manuscript submissions

closed (30 May 2025)



Antibiotics

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/189465

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)