# Special Issue

# Optimization and Improvement of Veterinary Antimicrobial Treatment to Reduce Antimicrobial Resistance

## Message from the Guest Editors

Optimization of antimicrobial treatment in veterinary medicine is crucial for successful therapy while minimizing the risk of resistance selection. Antimicrobial resistance is mirroring the changing world, and the veterinary profession is being asked to properly address this challenge and promote the prudent use of antimicrobials. Therefore, the main subject of this Special Issue includes any approach to optimize antimicrobial treatment in farm and companion animals. Manuscripts concerning multidisciplinary studies focused on animal-based indicators for the evaluation of the efficacy of antimicrobial treatments and the application of pharmacokinetic-pharmacodynamic integration for the optimization of antimicrobial treatment are welcome. Manuscripts providing evidence and clear criteria for the improvement of veterinary antimicrobial treatment are also accepted. This Special Issue is supported by COST Action CA18217—European Network for Optimization of Veterinary Antimicrobial Treatment. **Keywords**: antimicrobials; treatment optimization; PK/PD integration; companion animals; farm animals

## Guest Editors


Dr. Petra Cagnardi

Department of Veterinary Medicine, Università degli Studi di Milano, Milan, Italy

Dr. Aneliya Milanova

Department of Pharmacology, Animal Physiology and Physiological Chemistry, Trakia University, Stara Zagora, Bulgaria


## Deadline for manuscript submissions

closed (31 March 2022)


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

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# 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 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.

## Editor-in-Chief

Prof. Dr. Nicholas Dixon
School of Chemistry and Molecular Bioscience, University of Wollongong, Wollongong, NSW 2522, Australia

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