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Food Safety: Antimicrobial Resistance in the Food Chain

Guest Editors:

Dr. Alexandra Tăbăran
Faculty of Veterinary Medicine, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania

Prof. Dr. Sorin Dan
Animal Breeding and Food Safety Department, Faculty of Veterinary Medicine, University of Agricultural Sciences and Veterinary Medicine, Manastur Street No. 3/5, 400372 Cluj-Napoca, Romania

Deadline for manuscript submissions:
closed (30 June 2023)

Message from the Guest Editors

The ongoing spread of bacterial antimicrobial resistance has not only become a health issue but also a growing food-safety concern. There is a clear link between the use and misuse of antibacterial agents in animals and their spread in the environment. Foodborne diseases caused by pathogenic bacteria such as Salmonella, Campylobacter, and Listeria spp pose a greater problem in case of possible treatment failure. It is also important to surveil the bacterial load within the production chain, given the risk posed by non-pathogenic or commensal bacteria which can carry and further transfer resistance genes. Preventing and controlling antibiotic resistance is difficult, but having more knowledge on the possible emergence, spread, and transfer within the food chain would help in taking further steps. We encourage the publishing of all important and updated results in the field of food microbiology, antimicrobial resistance mechanisms in foodborne bacteria, characterization of antimicrobial resistance patterns, and characterization of bacterial resistance in various classes of antibiotics.

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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.

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Contact Us

Antibiotics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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antibiotics@mdpi.com
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