



Antibiotic Resistance and Antimicrobial Use in Companion Animals

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Message from the Guest Editors

The daily and close contact of companion animals with humans has led to concerns regarding their role in the dissemination of antimicrobial-resistant bacteria to humans and to the environment. The epidemiology of major antimicrobial-resistant determinants and bacteria needs to be constantly updated since it is known to change geographically and over time. The role of companion animals in dissemination of resistant anaerobic bacteria is also an important issue. This Special Issue of *Antibiotics* invites researchers to submit manuscripts about the detection and characterization of antimicrobial-resistant bacteria in companion animals. Studies about the effect of antimicrobial use in the selection of resistant bacteria will also be considered. This Special issue welcomes studies about the epidemiology of resistance determinants and the characterization of bacterial lineages. Manuscripts about *E. coli*, *Klebsiella pneumoniae*, *Enterobacter* spp., *Staphylococcus* spp., *Acinetobacter* spp., *Pseudomonas* spp., *Enterococcus* spp. and anaerobic bacteria are encouraged.





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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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