Antibiotics Used in Animals Disease Control

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Message from the Guest Editors

Dear Colleagues,

Antibiotics are one of the most important tools for controlling infectious diseases in both animals and humans. Although antibiotic use treats infections, reduces morbidity, and saves lives, it has also contributed to antibiotic resistance, a serious threat to animals and public health. Thus, optimizing antibiotic use is critical for treating infections effectively, protecting animals from harm caused by unnecessary antibiotic use, and combating antibiotic resistance. There has been a focus on antibiotic use in farm animals; however, in this Special Issue, the focus will extend beyond antibiotic use in farm animals to companion animals, wild animals, poultry, and wild birds.

This *Antibiotics* Special Issue is devoted to all aspects of antibiotic use and emerging resistance in animals. Primary research manuscripts and review articles on antimicrobial resistance, antimicrobial stewardship, and antimicrobial use in animals are welcome.

Keywords: antibiotics; antimicrobial resistance; antimicrobial stewardship; infectious and zoonotic diseases; disease control; antimicrobial resistance genes; farm and wild animals; domestic and wild birds

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Special Issue

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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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