Special Issue

Antibiotic Resistance in Terrestrial and Aquatic Farmed Animals: An Urgent One Health Issue for Sustainability

Message from the Guest Editor

The growing human population and the acceleration of climate change make it increasingly urgent to optimize agri-food resources. Farmed animals—both terrestrial and aquatic—are susceptible to infectious diseases, and antibiotic resistance is an increasingly troubling phenomenon in animal husbandry. This Special Issue will center on One Health connections, and aims to bring together articles that deal with antibiotic resistance in the context of animal husbandry interacting with other spheres of activity. It will focus on, but is not limited to, the horizontal transfer of antibiotic-resistance genes, interactions between animal microbiota and pathogens, and on the impact of human activity on the spread of antibiotic resistance in farmed animals. Articles dealing with alternative treatments (phages, probiotics, etc.) for animals, or on improved husbandry practices to help reduce the risk of spreading pathogens and antibiotic resistance, are also welcome.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2021)

Antibiotics

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed

mdpi.com/si/71639

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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.

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