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Antimicrobial Resistance in Animal and Zoonotic Pathogens

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Deadline for manuscript submissions:
closed (28 February 2024)

Message from the Guest Editor

Dear Colleagues,

Bacterial infections are one of the most important causes of disease in humans and animals that can be treated with antimicrobial agents, mainly antibiotics. Their misuse and overuse in different areas lead to the rapid development of resistance. Of particular concern is the emergence of "superbugs" in animals—strains of bacteria that have developed resistance to many different types of antibiotics. Infections in animals caused by resistant bacteria are difficult to treat because of the limited number of veterinary-approved antimicrobials. Herds of farm animals that are part of the food chain and companion animals that live in close contact with humans can be a source of zoonotic resistant bacteria for human infections. Surveillance of antimicrobial resistance is also of utmost importance because of the horizontal transfer of antimicrobial resistance genes between commensal and pathogenic bacteria.

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Editor-in-Chief

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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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