Special Issue

Antibiotics Resistance in Animals and the Environment

Message from the Guest Editor

Antimicrobial resistance is one of the greatest challenges facing global health security in the modern era. Prevention of this looming “epidemic” requires a better understanding of the factors contributing to the development and spread of resistance, novel interventions, and strategies to break the transmission cycle. Wildlife is an important but mostly overlooked component of epidemiology of antimicrobial resistance. Studies continue to uncover many common intrinsic and horizontal transfer mechanisms of resistance from wild birds, mammals, insects, and their environment. Many of these wildlife animals travel great distances, making them an ideal sentinel and a vehicle for rapid dissemination of resistance. This Special Issue seeks manuscript submissions that further our understanding of antimicrobial resistance in wildlife and their environment. Submissions on targeted surveillance of wildlife, sympatric animals and invertebrates, and isolation of microbes harboring novel mutations and mobile genetic elements associated with extended spectrum beta-lactams, carbapenems, methicillin, and vancomycin are especially encouraged.

Guest Editor

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Deadline for manuscript submissions

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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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