Special Issue

Veterinary Microbiology and Antimicrobial Resistance—the One Health Approach

Message from the Guest Editor

This Special Issue, titled *Veterinary Microbiology and Antimicrobial Resistance—the One Health Approach*, will highlight the critical intersection between animal, human, and environmental health in combating the growing threat of antimicrobial resistance (AMR). The One Health framework recognizes that the health of all living organisms and their shared environment is interconnected, so tackling AMR requires a collaborative, multidisciplinary approach. This Special Issue brings together cutting-edge research on veterinary microbiology, focusing on the role of animals as reservoirs and vectors for resistant pathogens that can affect both animal and human populations, mechanisms of antimicrobial resistance in veterinary settings, and implications for animal health and public health. Contributions will also delve into innovative strategies for monitoring, controlling, and mitigating AMR, including policy frameworks, novel treatments, and sustainable practices. By advancing our understanding of how resistance develops and spreads across species, this Special Issue will foster global cooperation for addressing AMR as a shared challenge, ensuring safer and healthier ecosystems.

Guest Editor

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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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