Special Issue

Virulence, Antimicrobial Resistance and Biofilm Production in Veterinary, Zoonotic and Food-Related Pathogens

Message from the Guest Editors

The emergence and persistence of virulent, antimicrobial-resistant pathogens in veterinary and food-related environments pose significant threats to both animal and human health. This Special Issue aims to explore the complex interplay between virulence factors, antimicrobial resistance mechanisms, and biofilm production in veterinary, zoonotic, and food-related pathogens.

Contributions to this issue will encompass a range of topics, including the molecular mechanisms underlying virulence and resistance, the impact of biofilm formation on pathogen survival and treatment efficacy, and innovative approaches for detection and intervention.

By bringing together cutting-edge research from leading experts, this Special Issue seeks to provide a comprehensive overview of current challenges and advancements in the field.

Through a deeper understanding of these critical aspects of pathogen biology, we hope to contribute to the development of more effective policies and practices that safeguard animal health, food security, and public health.

Dr. Óscar Mencía-Ares

Guest Editors

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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.

Editor-in-Chief

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