



Antibiotic Resistance, Virulence Profile and Genomic Analysis among Multidrug-Resistant Bacteria Isolated from Humans and Animals

Guest Editors:

Dr. Sónia Ramos

Faculty of Veterinary Medicine,
Centro Universitário Lisboa,
Campo Grande, 376, 1749-024
Lisboa, Portugal

Dr. Alexandra Nunes

Portuguese National Institute of
Health, Avenida Padre Cruz,
1649-016 Lisbon, Portugal

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submissions:

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Message from the Guest Editors

Currently, antimicrobial resistance is one of the greatest threats worldwide, affecting not only humans and animals, but also the environment. Multidrug-resistant (MDR) bacteria, including zoonotic pathogens, can be exchanged between animals and humans mainly via direct contact, but also from the environment or food products. Understanding the transmission dynamics of these zoonotic bacteria is therefore of utmost importance, where the One Health approach is essential to manage MDR bacteria and to identify the drivers and determinants for their emergence and persistence.

This Special Issue seeks manuscript submissions that help to enlighten our understanding of how MDR bacteria in animals and humans are interconnected. Within the One Health framework, manuscripts concerning the following subtopics (though not exclusively) are especially encouraged:

- Zoonotic bacteria and others;
- Antimicrobial resistance;
- Bacterial virulence traits/mechanisms;
- Microbial genome evolution;
- Pathogen adaptation;
- Infectious outbreaks;
- Sources of infection;
- Animal–human transmission.





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Editor-in-Chief

Prof. Dr. Nicholas Dixon

School of Chemistry and
Molecular Bioscience, University
of Wollongong, Wollongong, NSW
2522, Australia

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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Antibiotics Editorial Office
MDPI, St. Alban-Anlage 66
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