



Antimicrobial Resistance in One Health Perspective: New Insights in Human, Animal, and Environment Interlace

Guest Editors:

Dr. Rosalia Crupi

Prof. Domenico Britti

Prof. Dr. Giuseppe Crescenzo

Dr. Carmine Merola

Dr. Giulia Caioni

Dr. Alessio Soggiu

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Message from the Guest Editors

The emergence of and constant increase in the occurrence of multiple antibiotic-resistant bacteria has become a global public health threat due to the lack of pharmacological methods to treat infections in humans and animals. Being ubiquitous, microorganisms represent a pool of antimicrobial traits in all ecological niches. The main drivers of antimicrobial resistance include the indiscriminate use and abuse of antimicrobials in human, animal, and environmental sectors. Given the strong and interdependent human, animal, and environmental interactions in the context of antimicrobial resistance, a coordinated approach such as the One-Health strategy is highly suitable to characterize and address this warning and emerging phenomenon.





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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, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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