

Special Issue

Antimicrobial Resistance in the Environment/Animals/Humans: Impact and Transmission

Message from the Guest Editor

Antimicrobial resistance (AMR) is one of the most pressing issues facing humanity in the twenty-first century, posing a threat not only to health but also to the economy and national security. AMR, particularly antibacterial resistance (ABR), occurs at the interface of a multifaceted One-Health system; the antibacterial use and transmission of drug-resistant bacteria on the human/animal/environment axis are drivers of ABR.

The aim of this Special Issue is to provide a collection of articles that showcase the current issues regarding “Antimicrobial Resistance in the Environment/Animals/Humans: Impact and Transmission”. As the , I would like to invite you to submit research articles, review articles, and short communications dealing with the emergence of antimicrobial resistance, transmission, impact, control and prevention; mechanisms of the transmission of drug-resistant bacteria and drug-resistant genes; population health risk factors; and strategies within the One-Health framework.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

Dr. Nico Jehmlich

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).