# Special Issue

# Antibiotic-Resistant Enterobacterales at the Human–Animal–Environment Interface

## Message from the Guest Editors

Antimicrobial resistance is a serious threat to humans and animals with high societal relevance. While antibiotic-resistant (ABR) bacteria have been frequently described in clinical settings and livestock husbandry, less is known about their distribution in wildlife and the environment—especially regarding risk factors that drive their emergence. Due to limited treatment possibilities, ABR representatives belonging to the Enterobacterales that exhibit extended-spectrum beta-lactamases (ESBLs), carbapenemases and/or colistin resistance are among the most critical. This Special Issue focuses on the epidemiology, risk factors and drivers, and transmission of ABR Enterobacterales, particularly at the human–animal–environment interface, and thus the One Health context. This may for example include studies on the prevalence; distribution and epidemiology; molecular characterization, including antibiotic/disinfectant/heavy-metal resistance features; fitness and virulence; as well as transmission across different settings of these bacteria.

## Guest Editors

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## Deadline for manuscript submissions

closed (30 June 2024)

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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

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