Special Issue

Virulence Genes, Antimicrobial Resistance Profiles and Genetic Diversity of *Escherichia coli*

Message from the Guest Editors

In this *Microorganisms* Special Issue, we welcome original research articles, review papers, and short commentaries. We especially encourage bodies of work which utilise WGS analyses for AMR and virulence surveillance in *E. coli* through a One Health perspective. Potential topics include, but are not limited to:

- Prevalence and antimicrobial resistance profiles across different *E. coli* pathotypes
- Advances in genomic surveillance applications for *E. coli*
- Characterisation of novel virulence, AMR, or hybrid *E. coli* plasmids and their transmission
- Characterisation of novel hybrid *E. coli* pathovars and their transmission
- Phylogenetic study of *E. coli* across a range of host species and environmental sources

Guest Editors

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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.

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Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).

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