

## Special Issue

# The Latest Trends in the Molecular Epidemiology of Gram-Negative Multidrug-Resistant Bacteria

### Message from the Guest Editor

We are pleased to invite submissions to this Special Issue entitled “The latest trends in the molecular epidemiology of Gram-negative multidrug-resistant bacteria”. Multidrug-resistant (MDR) Gram-negative bacteria pose a major problem for public health all over the world. The extended use of antimicrobials and the poor implementation of infection control measures are the two main causes of their appearance. The molecular epidemiology of these bacteria is dynamic and constantly evolving. Gaining knowledge about their exact mechanism of resistance is crucial to obtain the best treatment option available. This Special Issue aims to highlight the latest trends in the molecular epidemiology of MDR Gram-negative bacteria and potentially underline the impact and efficacy of recently launched antimicrobials against these bacteria. The submission of original research articles and reviews is welcome. Research areas may include (but are not limited to) the following: the molecular epidemiology of MDR *Klebsiella pneumoniae*, *Pseudomonas aeruginosa*, *Acinetobacter baumannii*, and even *E. Coli*. However, other MDR Gram-negative bacteria can also be included.

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### Guest Editor

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### Deadline for manuscript submissions

30 June 2026



## Pathogens

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## About the Journal

### Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics.

*Pathogens* is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

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### Editor-in-Chief

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