

## Special Issue

# Dynamics and Molecular Features of Multidrug-Resistant Enterobacterales Lineages in Global Dissemination in a One Health Context (Humans, Animals, and Environment)

### Message from the Guest Editors

The aim of this Special Issue is to elucidate the molecular features of genes, plasmids, and clones of Enterobacterales in low- and middle-income nations with their limited resources for molecular analysis of the clonality of the Enterobacterales species and molecular characterization of the bacterial antimicrobial resistances. Among multidrug-resistant (MDR) bacteria, Gram-negative bacilli (GNB) are a most pressing concern. The Enterobacterales is a huge family of pathogens involved in community-associated and nosocomial infections. Due to the emergence and spread of multidrug-resistant (MDR) Enterobacterales in healthcare settings, carbapenems have become one of the last-resort antimicrobials for severe infections caused by these MDR-GNB isolates. Moreover, there are different issues with the different species that we see causing antibiotic resistance, e.g., *E. coli*, *Klebsiella* spp. I am delighted to invite colleagues investigating any of the pathogenic Enterobacterales within the areas of their ecology, genetics, genomics, immunology, diagnostic detection, public health, and antimicrobial development to submit their manuscripts to this Special Issue.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 May 2023)



## 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

Prof. Dr. Hinh Ly

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