

## Special Issue

# Bacterial Infection Treatment: Essential Oil and Other Antibacterial Agents

### Message from the Guest Editors

Multi-drug-resistant (MDR) pathogens have become a significant public health problem all over the world. These organisms may infect humans and animals, and the infections they cause are difficult to treat. In 2017, the World Health Organization published a list of bacteria urgently needing new antimicrobial agents. Natural extracts and essential oils (EOs) have been employed and recognized as valuable sources of pharmaceutical agents and food additives for many years. Numerous studies have revealed that EOs and their biologically active compounds are therapeutic alternatives to treat various diseases caused by microorganisms. Furthermore, their supplementation can decrease cellular oxidative stress, typical of cardiovascular, inflammatory, and neurodegenerative diseases and certain types of cancer. Consequently, volatile oils are invariably fascinating to research fields due to the vast repertoire of valuable effects. We look forward to your contribution.

### Guest Editors

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### Deadline for manuscript submissions

closed (30 November 2024)



## 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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