

Special Issue

Escherichia coli Infections in Humans and Animals

Message from the Guest Editor

Escherichia coli is the predominant facultative anaerobe of the gut microbiota of humans and other warm-blooded animals. If most strains are harmless, some others can cause intestinal or extra-intestinal diseases with various degree of symptoms. Genome plasticity is a hallmark of *E. coli*, and the emergence of pathogenic strains is related to the acquisition of virulence and/or fitness factors encoding genes by horizontal gene transfer. The focus of this Special Issue of *Pathogens* will be on the pathogenicity of intestinal pathogenic *E. coli* (InPEC) and extra-intestinal pathogenic *E. coli* (ExPEC) of humans and animals. We encourage submissions of original research articles and review articles, related to:

- Molecular basis on infection;
- Virulence factors and transmission;
- Host–pathogen and gut microbiota–pathogen interactions;
- Host adaptation and gene regulation;
- Antibiotic resistance;
- Epidemiology;
- Prevention and control;
- Curative treatments;
- Other aspects related to *coli* pathogenesis.

Guest Editor

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Deadline for manuscript submissions

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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.

Editor-in-Chief

Prof. Dr. Hinh Ly

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