Special Issue

Molecular Epidemiology of Zoonotic Bacterial Pathogens

Message from the Guest Editor

Zoonotic diseases are diseases transmitted between humans and animals. Roughly, more than 60% of human pathogens are zoonotic in nature, and most are bacterial infections. The ever-growing demand for food from animal origin, e.g., meat and dairy products, leads to the intensification of livestock farming and global trade of live animals and animal products, promoting the spread of potential zoonotic bacteria worldwide. This Special Issue will focus on the molecular epidemiology of zoonotic bacteria, with emphasis on studies describing the use of molecular tools to track, study, or monitor zoonotic bacteria within animal populations, humans, and between animals and humans, but also studies aiming to understand the transmission, population structure, and evolution of zoonotic bacterial pathogens. Studies describing the application or validation of new methodologies in this area are also welcome. Antimicrobial resistance (AMR) is currently one of the major challenges to human and animal health worldwide. Studies on the epidemiology of AMR in zoonotic bacteria are also within the scope of the issue.

Guest Editor

Dr. Shlomo Blum

Department of Bacteriology and Mycology, Kimron Veterinary Institute, Israel Veterinary Services and Animal Health, Bet Dagan, Israel

Deadline for manuscript submissions

closed (15 September 2023)

Pathogens

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed

mdpi.com/si/142972

Pathogens
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pathogens@mdpi.com

mdpi.com/journal/pathogens

Pathogens

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed

mdpi.com/journal/pathogens

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
Department of Veterinary & Biomedical Sciences, University of Minnesota, Twin Cities, MN, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, CaPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Infectious Diseases)

MDPI