

Special Issue

Detection and Characterization of Drug-Resistant Organisms

Message from the Guest Editors

There are multiple levels of resistance, namely: multi-drug resistant (MDR), extremely drug resistant (XDR), and, in some cases, totally drug resistant (TDR) strains of the pathogens have also evolved. These include bacterial diseases, such as tuberculosis, pneumonia, and gonorrhea; viral diseases, such as HIV; and parasitic diseases, such as Lyme disease and malaria. Besides resistance, pathogens also exhibit persistence or tolerance to the drugs, without actually mutating. This Special Issue, entitled “Detection and Characterization of Antibiotic Resistant Organisms”, focuses on the concepts of resistance, persistence, and tolerance in human pathogens and their detection, characterization, and treatment. This Special Issue emphasizes the escalating problem of drug-resistance in pathogens, and supplements the existing literature on several diseases.

Guest Editors

Dr. Andaleeb Sajid

Section of Infectious Diseases, Yale School of Medicine, Yale university,
New Haven 06519, Connecticut USA

Dr. Gunjan Arora

Section of Infectious Diseases, Yale School of Medicine, Yale university,
New Haven 06519, CT, USA

Deadline for manuscript submissions

closed (30 October 2022)



Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/46545

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

[mdpi.com/journal/
pathogens](https://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](https://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)