

Special Issue

Urinary Tract Pathogen Infections: Multidrug Resistance and Clinical Management

Message from the Guest Editors

Urinary tract infections (UTIs) are among the most frequent bacterial infections worldwide, yet their management is increasingly challenged by the rapid rise of multidrug-resistant (MDR) uropathogens. Gram-negative bacteria, particularly *Escherichia coli* and *Klebsiella pneumoniae*, remain the leading causes, while Gram-positive pathogens play a more limited but still clinically relevant role in specific settings. The growing intersection between infectious diseases and urology—especially in patients with structural abnormalities, catheter use, or recurrent infections—adds further complexity to diagnosis and treatment. Escalating resistance to first-line and last-resort antibiotics is narrowing therapeutic options, leading to treatment failure, recurrence, and increased healthcare burden. This Special Issue, "Urinary Tract Pathogens Infections: Multidrug Resistance and Clinical Management", aims to address these urgent challenges by bringing together advances in epidemiology, resistance mechanisms, diagnostics, and clinical management. Emphasis will be placed on innovative therapeutic strategies, antimicrobial stewardship, and approaches to limit the spread of resistant pathogens.

Guest Editors

Dr. Viorel Dragos Radu

1. Department of Urology, Faculty of Medicine, Grigore T. Popa University of Medicine and Pharmacy 700115 Iasi, Romania
2. Urology Department, "C.I.Parhon" Clinical Hospital, 700503 Iasi, Romania

Dr. Larisa Ionela Miftode

1. Faculty of Medicine, University of Medicine and Pharmacy "Grigore T. Popa" of Iasi, 700115 Iasi, Romania
2. Clinic of Infectious Diseases, "Sf. Parascheva" Clinical Hospital of Infectious Diseases, 700116 Iasi, Romania

Deadline for manuscript submissions

31 December 2026



Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/277774

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. Moriya Tsuji

School of Engineering Medicine, Texas A&M University, 2121 West
Holcombe Blvd., Suite 1007, Houston, TX 77030, 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)