

Special Issue

Infectious Diseases in Pediatric Populations: Clinical Challenges and Emerging Perspectives

Message from the Guest Editors

Infectious diseases remain a major global health concern in pediatric populations, especially in infants and young children with developing immune systems.

This Special Issue aims to bring together original research and reviews that focus on infectious diseases in neonates, infants, and children, with a particular emphasis on the following topics:

Clinical presentations, diagnosis, and treatment of bacterial, viral, fungal, and parasitic infections;

Host–pathogen interactions and the role of the developing immune system;

Molecular and cellular mechanisms driving infection progression or resolution;

Emerging pathogens and changing patterns of pathogen transmission;

Post-infectious complications, including post-COVID-19 syndromes, post-infectious autoimmune phenomena, chronic inflammation, and neurodevelopmental impairments.

Both experimental and clinical studies are welcome, as well as case series, systematic reviews, and conceptual articles offering new hypotheses and future directions. This Special Issue will offer a multidisciplinary platform to deepen our understanding of pediatric infections and promote more precise, age-appropriate interventions.

Guest Editors

Dr. Piero Pavone

Dr. Roberta Leonardi

Dr. Manuela Lo Bianco

Deadline for manuscript submissions

31 January 2026



Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/248935

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)