

Special Issue

Influenza A Virus: Updates and Insights

Message from the Guest Editors

Influenza A virus (IAV) is a type of influenza virus that includes multiple subtypes and can infect a variety of mammals, including wild birds, domestic poultry, pigs, horses, and humans, causing influenza outbreaks. The continuous mutation and strong cross-species transmission capabilities of IAV pose ongoing public health challenges. Currently, researchers are deeply exploring the adaptability of the virus to the host and its mutation mechanism, with the aim of better predicting and preventing the emergence of new influenza strains. At the same time, in order to cope with the rapid mutation of the virus, vaccine development and antiviral treatment strategies are also evolving. Nevertheless, the maintenance of vaccine efficacy and the resistance of antiviral drugs remain key challenges in prevention and control. Additionally, enhancing the surveillance and laboratory research of influenza viruses is crucial for the timely detection and response to potential pandemic strains. This Special Issue welcomes IAV-related papers.

Guest Editors

Dr. Pawel Zmora

Institute of Bioorganic Chemistry Polish Academy of Sciences, 61-704 Poznan, Poland

Prof. Dr. Elzbieta Kierzek

Institute of Bioorganic Chemistry Polish Academy of Sciences, 61-704 Poznan, Poland

Deadline for manuscript submissions

10 January 2026



Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/220534

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)