

## Special Issue

# Current Advances in Flavivirus Research

### Message from the Guest Editors

Infectious diseases have gained importance as a significant threat to public health following the recent outbreaks of arthropod-transmitted (arboviruses) in the Western hemisphere. Flaviviruses continue to spread and cause human disease in new areas of the world. With the recent outbreaks of Zika and yellow fever virus infections, the interest in these arthropod-borne viruses is exceptionally high. In the last few years, genomic and molecular investigations have established a remarkable progress on the pathogenic mechanisms of flavivirus infections using in vitro and in vivo models. Despite tremendous research efforts, though, there are yet to be clinically approved vaccines or therapeutic treatments available to combat the flavivirus infections. The lack of specific therapeutics for flavivirus infection imparts a pressing need to identify the viral and host factors in flavivirus replication and disease outcome.

In this Special Issue, we aim to assemble a collection of research papers and reviews that highlight critical advancements in our understanding of flavivirus pathogenesis and countermeasure development. We look forward to your submissions.

---

### Guest Editors

Dr. Mukesh Kumar

Department of Biology, Georgia State University, Atlanta, GA 30302, USA

Dr. Ok Sarah Shin

College of Medicine, Korea University, Seoul, Korea

---

### Deadline for manuscript submissions

closed (20 September 2020)



## Pathogens

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 6.8  
Indexed in PubMed



[mdpi.com/si/30529](https://mdpi.com/si/30529)

*Pathogens*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[pathogens@mdpi.com](mailto: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)