



Vector Born and Zoonotic Disease Pathogenesis and Immunopathogenesis

Guest Editor:

**Dr. Juarez Antônio Simões
Quaresma**

Instituto Evandro Chagas
Ananindeua, Brazil

Deadline for manuscript
submissions:
closed (15 October 2021)

Message from the Guest Editor

Arboviruses are diseases caused by a group of viruses that include dengue, zika, chikungunya, and yellow fever. The arbovirus classification encompasses all those transmitted by arthropods, i.e., insects and arachnids (such as spiders and ticks). There are 545 arbovirus species, 150 of which cause disease in humans. Arbovirus infections may develop with symptoms consisting of fever, skin rash, jaundice, encephalitis, or haemorrhagic fever. The pathogenic mechanisms of infection by major arboviruses are accompanied by an immune response against the virus that can, secondarily, compromise various organs of the host, causing damage to tissues, such as liver, kidney, brain, lung, and blood vessel.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Lawrence S. Young

Warwick Medical School,
University of Warwick, Coventry
CV4 7AL, UK

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.

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, PMC, Embase, PubAg, CaPlus / SciFinder, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Microbiology*) / CiteScore - Q2 (*General Immunology and Microbiology*)

Contact Us

Pathogens Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/pathogens
pathogens@mdpi.com
[X@Pathogens_MDPI](https://twitter.com/Pathogens_MDPI)