

Special Issue

Arboviruses Worldwide: Epidemiology, Pathogenesis, and Global Health Challenges

Message from the Guest Editor

Arboviruses, emerging viruses from families like Flaviviridae, Togaviridae, and Peribunyaviridae, are primarily transmitted by arthropods (mosquitoes, ticks, etc.) and pose significant global health threats. Notable examples include DENV, ZIKV, CHIKV, ORV, yellow fever, and WNV, responsible for millions of infections with clinical manifestations ranging from mild fever to severe neurological complications and hemorrhagic fevers. This Special Issue invites manuscripts (research, reviews, brief reports) addressing arbovirus epidemiology, transmission dynamics, and the roles of climate change, urbanization, and global travel in their spread. It also explores viral pathogenesis, host immune responses, diagnostic challenges, therapeutic strategies, vector control, vaccine development, and public health interventions to mitigate arboviral disease impacts.

Guest Editor

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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

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