Special Issue

Arboviruses and Global Health: Epidemiology, Pathogenesis, and Emerging Challenges

Message from the Guest Editor

This Special Issue aims to explore the evolving landscape of arboviral diseases by highlighting advancements in epidemiology, pathogenesis, and public health interventions. We welcome original research and reviews that examine surveillance strategies, vector ecology, host-virus interactions, and innovative approaches to prevention and control. Additionally, we encourage contributions addressing the socioeconomic and environmental determinants of arboviral transmission, the impact of global health disparities, and the integration of One Health strategies to mitigate disease risk. Topics of interest include but are not limited to: 1. Epidemiology and surveillance of arboviral infections.
2. Molecular mechanisms of viral pathogenesis and host immune responses.
3. Vector ecology and transmission dynamics.
4. Advances in diagnostics, therapeutics, and vaccine development.
5. Socioeconomic and environmental factors influencing arboviral spread.
6. One Health approaches to arboviral infection control and prevention.

Guest Editor

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Deadline for manuscript submissions

30 September 2025

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/218483

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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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