

## Special Issue

# Advances in Animal Vector-Borne Diseases

### Message from the Guest Editors

Animal vector-borne diseases represent a major threat to both domestic animals and wildlife, with significant implications for animal health, biodiversity, and public health. In addition to the spread of well-known agents, recent years have witnessed the emergence of new vectors in Europe, such as the invasive *Aedes albopictus* mosquito and *Hyalomma* ticks, as well as the introduction or re-emergence of pathogens including West Nile virus, Bluetongue virus, and *Leishmania infantum*. The occurrence and spread of vector-borne diseases in nature depend on complex and dynamic interplay between pathogens, vectors, and animal hosts, further influenced by ecological and environmental changes. Understanding these interactions is crucial for developing effective surveillance, prevention, and control strategies to mitigate their impacts on animal health, human well-being, biodiversity, and economic stability.

### Guest Editors

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### Deadline for manuscript submissions

31 March 2026



## Pathogens

an Open Access Journal  
by MDPI

Impact Factor 3.3  
CiteScore 6.8  
Indexed in PubMed



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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.

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### Editor-in-Chief

Prof. Dr. Hinh Ly

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