

Special Issue

Bloodborne and Vector-Borne Agents in Veterinary Medicine: Epidemiology and Diagnostic Advances

Message from the Guest Editors

Bloodborne and vector-borne diseases represent a persistent and globally significant challenge in veterinary medicine. Bloodborne agents spread through direct blood contact, influenced by factors such as host density, pathogen prevalence, and shedding rates. Vectorborne agents spread through arthropods and other vectors, with distribution influenced by climate, socioeconomic, and cultural aspects. Various parasites, viruses, and bacteria transmitted by vectors or direct host contact have been documented in domestic species, and advances in molecular tools have expanded investigations into wildlife as reservoirs of bloodborne and vector-borne agents has become a growing research focus. For both domestic and wild hosts, addressing the threats posed by these agents relies on surveillance, diagnostic innovation, and epidemiological analysis as central pillars.

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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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