

Special Issue

Piroplasms and Tick-Borne Pathogens: Transmission, Surveillance, and One Health Perspectives

Message from the Guest Editor

This Special Issue will cover three aspects.

Transmission and Ecology:

- The biology and distribution of tick vectors, and how their habitats are expanding due to factors like climate change;
- The life cycles of these pathogens within their hosts (animals and humans) and tick vectors;
- The role of wildlife and domestic animals as reservoirs for these infections.

Surveillance and Diagnostics

- Advances in diagnostic tools and techniques, particularly molecular methods (e.g., PCR) for rapid and accurate detection in both ticks and hosts;
- Epidemiological studies that track the prevalence and incidence of these diseases in specific geographic areas;
- The development of effective surveillance programs to predict outbreaks and manage disease spread for better disease control.

One Health Perspective

- Zoonotic parasites and pathogens that can be transmitted from animals to humans, with a focus on emerging public health concerns;
- The economic and social impacts of these diseases on agriculture, livestock, and human communities;
- Strategies for prevention and control that integrate veterinary medicine, human public health, and environmental management.

Guest Editor

Dr. Heba Alzan

1. Department of Veterinary Microbiology and Pathology, College of Veterinary Medicine, Washington State University, Pullman, WA 99164, USA
2. Parasitology and Animal Diseases Department, Veterinary Research Institute, National Research Center Dokki, Giza 12622, Egypt
3. Tick and Tick-Borne Diseases Research Unit, Veterinary Research Institute, National Research Center Dokki, Giza 12622, Egypt

Deadline for manuscript submissions



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Pathogens
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pathogens@mdpi.com

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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

Prof. Dr. Hinh Ly

Department of Veterinary and Biomedical Sciences, College of
Veterinary Medicine, University of Minnesota, Saint Paul, MN 55108,
USA

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