Special Issue

Babesia and Babesiosis in Animals

Message from the Guest Editors

Babesia, which has been identified in over 100 species of domestic and wild animals since its discovery, infects a variety of mammal species and imposes a significant economic burden on the entire world. It achieves its impact by causing infections, particularly in farm animals. These losses are caused not only by animal deaths, but also by abortion, reduced meat and milk production, and disease control costs (e.g., spraying, vaccination, disease treatments, professional veterinary support and others). Canine babesiosis has also become increasingly common in recent years, posing a significant threat to the veterinary community. Great progress has been made in gene transfection and in identifying genes responsible for the parasite's sexual phase, particularly with the acquisition of full genome and RNAseq analyses of the *Babesia bovis* and *Babesia bigemina* species that cause bovine babesiosis. However, the mechanisms underlying the *Babesia* parasite's life cycle remain unknown. We encourage researchers from all over the world working on various species of *Babesia* to submit original research, reviews, or brief communications.

Guest Editors

Dr. Sezayi Özübek
Parasitology Department, Firat Üniversitesi, Elazig, Turkey

Prof. Dr. Münir Aktaş
Department of Parasitology, Veterinary Medicine, Fırat University, 23119 Elazığ, Türkiye

Deadline for manuscript submissions

closed (15 February 2024)

Pathogens

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed

mdpi.com/si/162624

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

mdpi.com/journal/pathogens

Pathogens

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed

mdpi.com/journal/pathogens

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 & Biomedical Sciences, University of Minnesota, Twin Cities, MN, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, CaPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Infectious Diseases)

MDPI