



## Babesia and Babesiosis in Animals

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Deadline for manuscript  
submissions:

**closed (15 February 2024)**

### Message from the Guest Editors

Dear Colleagues,

*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.





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## Editor-in-Chief

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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.

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