

Special Issue

Human Animal Tick-Borne Diseases

Message from the Guest Editors

Tick-borne diseases (TBD) primarily include bacterial diseases caused by *Anaplasma*, *Borrelia*, *Ehrlichia*, and *Rickettsia* species pathogens.

Considering that the diseases are the most common illnesses caused by arthropods in recent years, research focused on defining pathogenesis, host–pathogen interactions, host response, gene regulation, molecular genetics, mutagenesis, therapeutics, and vaccine studies using molecular approaches are among the high-priority goals to combat many emerging TBDs. In this Special Issue, we invite original research articles focused on any topic of the above highlighted areas on major TBDs impacting human and animal health. This issue aims to compile manuscripts describing advances in different tick-borne bacterial pathogens. We invite submissions on research articles and reviews on the following TBDs and disease-causing agents:

- Ehrlichiosis, Anaplasmosis, Rickettsiosis, and Lyme disease;
- Molecular biology, mutagenesis, functional genomics;
- Tick-host-pathogen interactions and evasion mechanisms;
- Host response, immunology, and vaccine studies.

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2023)



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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

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