

# Special Issue

## Pathogen Infection in Wildlife

### Message from the Guest Editor

Most of the currently emerging infectious diseases are caused by zoonotic pathogens associated with wildlife reservoirs. However, despite significant efforts to understand the spatiotemporal patterns of disease emergence. We still do not sufficiently understand which factors affect host and vector competence and how these factors interact to affect pathogen emergence and persistence. This Special Issue plans to address various topics of ecology and evolution of vector-borne pathogens, such as viruses, bacteria or protozoa. The aim is to highlight selected topics related to the ecology and evolution of different wildlife pathogens, which can contribute to a better understanding of the processes of disease emergence in human and non-human animals. Potential topics include, but are not limited to:

- Roles of host and vector life-history strategies and traits;
- Roles of host and vector community structure;
- Roles of habitat degradation and urbanization;
- Host, vector and pathogen evolutionary histories;
- Determinants of host and vector specificity;
- Cryptic pathogen complexes;
- Pathogen surveillance and detection techniques.

### Guest Editor

Dr. Radovan Václav

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### Deadline for manuscript submissions

closed (31 August 2023)



## Microorganisms

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## About the Journal

### Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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### Editor-in-Chief

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