

# Special Issue

## Emerging Arthropod-Borne Viruses in Changing Environments

### Message from the Guest Editors

Arthropod-borne viruses are amongst those most affected by climate change. In the face of climatic and environmental changes, the distribution areas and disease burden of arthropod-borne viral infections are changing. The effects of these changes on vector-borne viruses are complex and vary depending on the geographical area, and the drivers for disease emergence from various vector-borne viruses are poorly understood. Environmental changes may affect disease ecology, as vectors and pathogens can enter new areas and may adapt, emerge, and cause disease burden in new human or animal hosts. It seems likely that arthropod-borne viruses will continue to emerge in new areas. Thus, to track global changes in this field, local research and surveillance in different parts of the world are needed. In addition to the genetic profiling of emerging vector-borne viruses, information on their disease associations and pathogenic properties is needed. In this Special Issue, we welcome contributions concerning vector-borne infections in changing environments.

### Guest Editors

Dr. Elli Huhtamo

1. Department of Virology, Medicum, University of Helsinki, FI-00290 Helsinki, Finland
2. Department of Veterinary Biosciences, Faculty of Veterinary Medicine, University of Helsinki, FI-00014 Helsinki, Finland

Dr. Essi Korhonen

1. Department of Virology, Medicum, University of Helsinki, FI-00290 Helsinki, Finland
2. Department of Veterinary Biosciences, Faculty of Veterinary Medicine, University of Helsinki, FI-00014 Helsinki, Finland

### Deadline for manuscript submissions

closed (31 December 2023)



**Microorganisms**

an Open Access Journal  
by MDPI

**Impact Factor 4.2**  
**CiteScore 7.7**  
**Indexed in PubMed**



[mdpi.com/si/159095](https://mdpi.com/si/159095)

*Microorganisms*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[microorganisms@mdpi.com](mailto:microorganisms@mdpi.com)

[mdpi.com/journal/  
microorganisms](https://mdpi.com/journal/microorganisms)





## Microorganisms

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.2  
CiteScore 7.7  
Indexed in PubMed



[mdpi.com/journal/  
microorganisms](https://mdpi.com/journal/microorganisms)



## 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.

---

### Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular Toxicology, UFZ-Helmholtz Centre for  
Environmental Research, 04318 Leipzig, Germany

---

### Author Benefits

#### High Visibility:

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

#### Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).