

Special Issue

Climate Change and Emerging Arboviruses

Message from the Guest Editors

It can be anticipated that climate change will affect the geographical distribution of many insect species vectoring human and animal arboviruses in the future. Climate change and globalization have already had a significant impact on the global range, vector competency, and composition of different species of arthropod vectors, including *Culicoides* biting midge, mosquito, and tick species fauna, potentially promoting the transmission of exotic viruses to previously disease-free areas. In this Special Issue of *Microorganisms* (an open access publishing journal), we wish to publish reviews and research articles documenting current knowledge regarding the effect of climate change on the dispersal of emerging arboviruses. We encourage submissions that address topics of novel and emerging/re-emerging arboviruses in previously naïve areas using state-of-the-art genomics, bioinformatics, and machine learning approaches to project future high-risk areas for arboviral diseases. We would like to welcome you and your team to submit an article to this Special Issue based on your expertise in this field.

Guest Editors

Dr. Nariman Shahhosseini

Department of Biological Sciences, University of Lethbridge,
Lethbridge, AB T1K 3M4, Canada

Dr. Gary Kobinger

Galveston National Laboratory, University of Texas Medical Branch,
Galveston, TX 77555-0610, USA

Deadline for manuscript submissions

closed (31 March 2025)



Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/148445

Microorganisms
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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).