

Special Issue

Global Perspectives on the Role of Invasive Mosquito Species and Emerging Vector-Borne Diseases

Message from the Guest Editors

The global burden of mosquito-borne diseases poses a significant threat to public and animal health. Increased local transmissions are driven by the spread of invasive mosquito species (IMS) into previously unaffected regions, facilitated by global travel, trade, and climate change. IMS impact ecosystems, public health, and economies as they outcompete native mosquitoes, harm biodiversity, and disrupt predator-prey relationships. The homogenization of communities due to IMS can lead to species extinction. Despite advances in control strategies, globalization and climate change present new challenges, underscoring the need for further research and adaptable approaches.

Strengthening surveillance and investigating factors affecting vector abundance are crucial for predicting disease outbreaks and developing effective responses. This Special Issue aims to address these concerns through comprehensive studies on IMS and mosquito-borne diseases. We invite contributions on topics including IMS biology, monitoring, climate change effects, emerging diseases, and innovative control methods, among others.

Guest Editors

Dr. Mihaela Kavran
Dr. Rubén Bueno-Marí
Dr. Vesna Milicevic

Deadline for manuscript submissions

1 July 2026



Tropical Medicine and Infectious Disease

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 4.7
Indexed in PubMed



mdpi.com/si/250254

Tropical Medicine and Infectious Disease
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
tropicalmed@mdpi.com

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





Tropical Medicine and Infectious Disease

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 4.7
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. John Frean

Pathologist, Parasitology Reference Laboratory, Centre for Emerging Zoonotic and Parasitic Diseases, National Institute for Communicable Diseases, University of the Witwatersrand, Johannesburg 2192, South Africa

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, Informit, and other databases.

Journal Rank:

JCR - Q1 (Tropical Medicine) / CiteScore - Q2 (Public Health, Environmental and Occupational Health)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 22.2 days after submission; acceptance to publication is undertaken in 3.8 days (median values for papers published in this journal in the second half of 2025).