

Special Issue

Emerging Trends of Antimicrobial Resistance in Aquatic Environments

Message from the Guest Editors

Antimicrobial resistance is among the top ten threats to global health due to the high morbidity and mortality rates and economic impacts associated with loss of life and treatment costs. Today, antibiotic-resistant bacteria are no longer restricted to hospital environments and have already reached different environmental compartments. Among them, aquatic matrices stand out for their wide-ranging capacity to favor the spread of these microorganisms, as well as for providing favorable conditions for their replication and gene exchange. This Special Issue, "Emerging Trends of Antimicrobial Resistance in Aquatic Environments", in *Tropical Medicine and Infectious Disease* aims to bring together robust scientific evidence that elucidates the occurrence rates of antibiotic-resistant bacteria (and other antimicrobials) in different aquatic matrices, as well as highlighting the dynamics of antibiotic resistance gene transfer. Studies related to the critical priority pathogens listed by the WHO and bacterial resistance to last-resort antibiotics will be very welcome.

Guest Editors

Dr. Guilherme Sgobbi Zagui

Postgraduate Program in Environmental Technology, Department of Medicine, University of Ribeirão Preto (UNAERP), Avenida Costábile Romano, 2201, Ribeirão Preto 14096-900, São Paulo, Brazil

Dr. Susana Inés Segura-Muñoz

Ribeirão Preto College of Nursing, University of São Paulo (USP), Ribeirão Preto 14040-902, Brazil

Deadline for manuscript submissions

31 May 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/238012

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 Lab, 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 20.6 days after submission; acceptance to publication is undertaken in 3.1 days (median values for papers published in this journal in the first half of 2025).