

Special Issue

Current Insights into Host–Parasite Interactions

Message from the Guest Editor

Parasitism is the most common behavioural strategy on Earth and the ancient co-evolutionary arms race between host and parasite (or pathogen) is responsible for the evolution of the host immune system, as well as the vast arsenal of weapons pathogens use to infect hosts. This interaction warrants further attention as bacteria, nematodes, trematodes (to name a few) severely affect human health, agriculture, and biodiversity. In this wide-ranging Special Issue, we aim to gain insights into the interactions between a broad range of hosts and their parasites/pathogens. Submissions are encouraged from researchers who study behavioural responses of hosts to parasites, host immunity, molecular mechanisms of pathogenicity, microbiome changes in hosts (or parasites), genomic/genetic studies examining host or parasite responses, bacterial symbiosis, or diversity and population genetic studies. Studies on parasites/pathogens of invertebrates are particularly welcome, as well as those of mammals.

Guest Editor

Dr. Robbie G. Rae

School of Biological and Environmental Sciences, Liverpool John Moores University, Liverpool, UK

Deadline for manuscript submissions

closed (30 June 2024)



Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/182498

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).