

Special Issue

Understanding Phage Particles

Message from the Guest Editors

Bacteriophages, or phages, are viruses that only infect and kill bacteria. They are the most abundant biological entities on earth, occupying all ecological niches where they have a decisive role in the balance and evolution of bacterial ecosystems. With this Special Issue, we want to provide an update on those phage–host interactions, especially, but not limited to, interactions involving horizontal gene transfer, modification of the bacterial fitness, the role of phage particles as reservoirs of bacterial genes, their role as drivers of evolution for bacterial communities, as well as an update on the potential of phages and phage-based products for phage therapy and other applications.

Guest Editors

Dr. Lorena Rodríguez-Rubio

Department of Genetics, Microbiology and Statistics, University of Barcelona, Barcelona, Spain

Dr. Elisenda Ballesté Pau

Department of Genetics, Microbiology and Statistics, University of Barcelona, Barcelona, Spain

Deadline for manuscript submissions

closed (31 October 2020)



Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/42419

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).