

Special Issue

Bacteriophage-Host Interactions and Bacteriophage Therapy

Message from the Guest Editor

This Special Issue of *Microorganisms* will be dedicated to the topics of bacteriophage–host interactions that are relevant for the development of new approaches in phage therapy. This includes but, is not limited to, the following themes: host cell recognition by bacteriophage particles, the factors influencing bacteriophage host ranges and the approaches to the artificial phage host range management, the resistance of bacteria to phages and the physiological consequences of resistance acquisition for bacteria, bacteriophage-mediated gene transfer and the evaluation of the risk associated with the use of transducing or temperate phages for therapy, phage interactions with microbial biofilms, the interactions of bacteriophages or phage–host consortia with macro-organisms, including issues related to phage pharmacokinetics or immunomodulatory effects, as well as other aspects of bacteriophage molecular biology and ecology relevant to bacteriophage therapy. All papers relevant to phage-based biocontrol in agriculture or other similar technologies are also welcome.

Guest Editor

Prof. Dr. Andrey Letarov

1. Winogradsky Institute of Microbiology, Research Center
Biotechnology of Russian Academy of Sciences, Moscow, Russian
2. Federation Faculty of Biology, Lomonosov Moscow State University,
Moscow, Russia

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Microorganisms
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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 Systems Biology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

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