Special Issue

Phage-Bacteria Interplay: Phage Biology and Phage Therapy

Message from the Guest Editors

Bacteriophages (phages) are naturally occurring viruses that specifically infect and replicate within bacterial cells. Phages play a crucial role in shaping microbial communities and influencing bacterial evolution. Over the past few years, there has been a surge in exploring the therapeutic potential of phages against antibiotic-resistant bacteria. This Special Issue entitled “Phage–Bacteria Interplay: Phage Biology and Phage Therapy” aims to present recent research related to phages with special focus on, but not limited to, the following areas: phage genomics, phage diversity, phage therapy, phage–host interactions, phage-mediated horizontal gene transfer, diverse mechanisms of phage infection, microbiome, replication and interaction with bacterial hosts. This Special Issue is devoted to publishing papers on studies of the biology, therapy and application of phages. Reviews, original research and communications will be welcome.

Guest Editors

Dr. Hesham Abdelbary

Department of Surgery, Division of Orthopaedics, The Ottawa Hospital, Ottawa, ON, Canada

Dr. Mariam Taha

Ottawa Hospital Research Institute, Ottawa, ON, Canada

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Microorganisms
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
microorganisms@mdpi.com

mdpi.com/journal/microorganisms

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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 Toxicology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

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