Special Issue

Innovative Antiviral Approaches and New Molecular Targets against Viral Infections

Message from the Guest Editor

This Special Issue is to give an overall perspective on new antiviral strategies to combat viral human pathogens, including small molecules, well-defined chemical compounds, natural compounds and/or fractions extracted from plants, microorganisms and biological matrices. Furthermore, advanced nanotechnological approaches for the delivery of approved antiviral drugs and research on new antiviral materials are welcome. For this purpose, we welcome the submission of full research articles, review articles, and short communications related to the various aspects of antiviral strategies for the treatment of viral diseases. We encourage the submission of in silico docking studies supported by data from biological assays, antiviral studies on cell cultures performed with well-established methodologies, investigations of the mechanisms of action of compounds, and the identification of new drug targets. All data on in vitro or in vivo activity must be supported by appropriate statistical analysis. The scope of the Special Issue includes the discovery of new approaches for the prevention and treatment of viral diseases.

Guest Editor

Dr. Manuela Donalisio

Laboratory of Molecular Virology and Antiviral Research, Department of Clinical and Biological Sciences, University of Turin, 10043 Orbassano, Italy

Deadline for manuscript submissions

closed (15 January 2024)

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Microorganisms
Editorial Office
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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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).

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