



The Viral Proteomics: Decoding the Proteome of Pathogenic Viruses

Guest Editor:

Dr. Arpan Acharya

Department of Pharmacology &
Experimental Neuroscience,
University of Nebraska Medical
Center, Omaha, NE 68182, USA

Deadline for manuscript
submissions:

closed (31 March 2025)

Message from the Guest Editor

Mass spectrometry (MS)-based proteomics, a cutting-edge molecular technique, has emerged as a promising biotechnological tool in the post-genomic era, particularly in systems biology. Proteomics, by focusing on proteins as the “workhorses” of life, has revolutionized our perception of viruses by providing comprehensive qualitative and quantitative information on the protein composition of single cells, and on entire ecosystems. Consequently, proteomics has become an indispensable tool in virology for providing insight into the molecular drivers of viral infections in host cells and pathogenesis in plant, animals, etc.

This Special Issue on “Viral Proteomics: Decoding the Proteome of Pathogenic Viruses” will focus on all aspects of proteomics and viral disease. We welcome you to submit your original research paper, recent reviews, and commentaries on this topic





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Nico Jehmlich

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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))

Contact Us

Microorganisms Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/microorganisms
microorganisms@mdpi.com
X@Micro_MDPI