

Special Issue

Molecular Biophysics of Viral Proteins

Message from the Guest Editor

This Special Issue invites cutting-edge research and comprehensive reviews that explore the physical principles governing the function, interactions, and assembly of viral proteins. Topics may include (but are not limited to) the following: structural characterization; protein folding and stability; protein–ligand interaction; membrane association; host–virus interactions; and computational modeling. We also encourage interdisciplinary contributions that integrate biophysics with fields such as virology, molecular biology, immunology, nanotechnology, and medicinal chemistry.

Articles exploring innovative methodologies, such as cryo-EM, spectroscopy, molecular dynamics simulations, and single-molecule techniques, are especially welcome. By uniting diverse perspectives, this Special Issue aims to deepen our understanding of viral protein machinery and inspire new strategies for combating viral diseases.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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