Special Issue

Molecular Mechanism and Detection of SARS-CoV-2

Message from the Guest Editor

The COVID-19 pandemic has highlighted the critical importance of understanding SARS-CoV-2's molecular mechanisms and detection methods.
SARS-CoV-2 is characterized as a positive-sense single-stranded RNA virus that primarily enters host cells through spike protein-mediated mechanisms. The virus demonstrates sophisticated methods of immune evasion and utilizes the ACE2 receptor for cellular entry, leading to various pathological outcomes. Recent research has revealed novel insights into viral protein interactions, structural biology, and potential therapeutic targets.
This special issue aims to compile cutting-edge research on molecular mechanisms underlying SARS-CoV-2 infection, host immune responses, emerging variants, and advanced detection methods. We welcome original research articles, reviews, and perspectives that contribute to our understanding of viral pathogenesis and improve diagnostic capabilities.

Guest Editor

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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