Special Issue

Design, Synthesis, Analysis and Application of Antiviral Agents

Message from the Guest Editors

The continuous emergence of new viruses, the reappearance of previously controlled pathogens, and the wide clinical spectrum of viral diseases—from mild infections like the common cold to high-mortality outbreaks such as Ebola, chronic diseases like HIV/AIDS, and global pandemics such as influenza and SARS-CoV-2—underscore the urgent need for novel antiviral strategies. Effective drug design, synthesis, and evaluation of molecules with potential antiviral activity is important. Effective drug design must account for viral proteins, host factors, pathogen—host interactions, immune responses, mechanisms of immune evasion, and disease pathogenesis. In this Special Issue, we address the development of antivirals from the design to the application, explaining their potential mechanisms of action.

Guest Editors

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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