

Special Issue

Design, Synthesis and Bioactivity Evaluation of Target-Based Antiviral Drugs

Message from the Guest Editors

Each year, viral infections including human immunodeficiency virus (HIV), hepatitis B virus (HBV), hepatitis C virus (HCV) and the ongoing COVID-19 virus cause millions of deaths, necessitating efforts to develop novel antivirals. As is well known, target-guided drug design is a powerful approach to developing antiviral agents specifically tailored to a target. The elucidation and visualization of the three-dimensional structure of virus-related proteins has provided valuable insights into their molecular functions and allowed more powerful and reliable target-based design strategies. In this Special Issue, recent endeavors and achievements in the field of antiviral drug research will be primarily outlined. Future directions and perspectives on target-guided antiviral drug discovery and associated challenges are also discussed.

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