

Special Issue

RNA Viruses

Message from the Guest Editor

RNA viruses are a major threat to human health. They are responsible for millions of deaths each year, and are one of the most prominent classes of emerging infectious diseases. Climate change, the growth and urbanization of the human population are set to increase the risk of new RNA viruses becoming established in human populations, underscoring the need for intensive research efforts. The past decade has seen significant progress in understanding RNA viruses, thanks to advances in high-throughput sequencing, screening, imaging, and proteomics. These advances are beginning to reveal insights into virus population dynamics and evolution at the molecular level, detailed mechanisms of viral replication and viral–host interactions, and pathways of immune evasion and drug resistance. Together, these findings promise to revolutionize how we combat RNA viruses through the design of novel treatment and control strategies, antiviral agents, and universal vaccines. In this Special Issue, we invite the submission of original research and review articles that showcase how high-throughput technologies are being used to revolutionize our understanding of RNA virus biology.

Guest Editor

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Deadline for manuscript submissions

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