Special Issue

Review Research on SARS-CoV-2 Detection

Message from the Guest Editor

Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is the virus that causes a respiratory disease called coronavirus disease 19 (COVID-19). SARS-CoV-2 was first known to infect people in 2019. The virus is thought to spread from person to person through droplets released when an infected person coughs, sneezes, or talks. Since the clinical manifestations and signs of infected patients are not definitive, supporting diagnostic and serological tests are essential for the diagnosis of COVID-19. The aim of this Special Issue on review research on SARS-CoV-2 detection is to present a review for the available methods for the detection and characterisation of circulating SARS-CoV-2 variants. The value of diagnostic methods depends on the type of test, the time to get the results, testing accuracy, and the required resources for testing. Different diagnostic tests have been developed for SARS-CoV-2 based on serological, molecular, and nanotechnology techniques. Detection of viral nucleic acid is frequently performed by high-throughput sequencing, RT-PCR, RT-LAMP, and qPCR, where qPCR is recommended as the most effective and direct method by the WHO.

Guest Editor

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