



Review Research on SARS-CoV-2 Detection

Guest Editor:

Dr. Mai M. El-Daly

1. Special Infectious Agents Unit-BSL3, King Fahd Medical Research Center, King Abdulaziz University, Jeddah 21589, Saudi Arabia

2. Molecular Biology Department, National Liver Institute, Menoufia University, Shebin El-Kom, Menoufia, Egypt

Deadline for manuscript submissions:

closed (31 May 2023)

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Andreas Kjaer

Department of Clinical
Physiology, Nuclear Medicine &
PET National University Hospital,
Rigshospitalet, University of
Copenhagen, Blegdamsvej 9, DK-
2100 Copenhagen, Denmark

Message from the Editor-in-Chief

You are cordially invited to submit research articles, short communications, comprehensive reviews, case reports or interesting images for consideration and publication in *Diagnostics* (ISSN 2075-4418). *Diagnostics* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [Embase](#), [Inspec](#), [CAPus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Medicine, General & Internal*)

Contact Us

Diagnostics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/diagnostics
diagnostics@mdpi.com
[X@diagnostic_mdpi](#)