# **Topical Collection**

## Virus Diagnostic Methods and Techniques: Learning from the COVID-19 Global Outbreak

## Message from the Collection Editors

The spread of COVID-19 has become a global healthcare issue around the world. With recent technological advances in multiple research fields, such as materials science, micro-/nanotechnology, molecular biology, and bioengineering, much attention is shifting toward the development of new virus-based detection tools that not only address the needs for high sensitivity and specificity but also fulfil economic objectives in addition to the need for rapid point-of-care for groups and individuals with constrained resources and. possibly, limited training. These new detection technologies are also potentially applicable to different healthcare issues since they are disposable, inexpensive, portable, and easy to use-especially when their manufacture is based on low-cost materials. The topics in this Special Issue would cover point-of-care detection devices, microfluidic or paper-based detection devices, new materials for making detection devices, and others, with a particular focus on the precise diagnosis of COVID-19.

### **Collection Editors**

Dr. Chao-Min Cheng Institute of Biomedical Engineering, National Tsing Hua University, Hsinchu City 300, Taiwan

Dr. Sandeep K. Vashist Fapon Biotech Inc., Reuterweg 48, 52080 Aachen, Germany

Prof. Dr. Carmen de Mendoza Pharmaceutical & Health Science Department, Universidad San Pablo-CEU, Madrid, Spain



# Diagnostics

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 5.9 Indexed in PubMed



mdpi.com/si/43589

Diagnostics Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 diagnostics@mdpi.com

mdpi.com/journal/ diagnostics





# **Diagnostics**

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 5.9 Indexed in PubMed



diagnostics



# About the Journal

### 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.

#### 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

### **Author Benefits**

### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Medicine, General and Internal) / CiteScore - Q2 (Internal Medicine)

#### **Rapid Publication:**

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).