



AI-Based COVID-19 Detection

Guest Editor:

Dr. Mostafa Fouda

Department of Electrical and
Computer Engineering, Idaho
State University, Pocatello, ID
83209, USA

Deadline for manuscript
submissions:

closed (31 March 2023)

Message from the Guest Editor

Dear Colleagues,

This Special Issue is intended to present features, and scholarly papers that address some of the diverse array of topics related to the use of artificial intelligence (AI) in the detection of COVID-19 through chest X-ray scans, lung computed tomography (CT) scans, or magnetic resonance imaging (MRI) images. These topics include but are not limited to, AI for COVID-19 Detection, AI for COVID-19 Lesion Segmentation, and Explainable AI for COVID-19 Detection. We invite scientists and researchers to submit papers for this important Special Issue, “AI-Based COVID-19 Detection”.

- AI for COVID-19 Detection
- AI for COVID-19 Lesion Segmentation
- Explainable AI for COVID-19 Detection

Dr. Mostafa Fouda
Guest Editor





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](#)