



sensors



an Open Access Journal by MDPI

IoT and Artificial Intelligence Approaches to Defeat COVID-19 Outbreak

Guest Editors:

Dr. A.S.M. Kayes

Prof. Dr. Paul Watters

Dr. Ebrima Ceesay

Dr. Man Qi

Dr. Md. Saiful Islam

Dr. Abdur Rahman Bin Shahid

Deadline for manuscript
submissions:

closed (15 June 2021)

Message from the Guest Editors

Sensors provide valuable data about physical devices and the associated environment. The unprecedented increase in data volumes related to different sensor applications and networks is powering big data analytics through a range of artificial intelligence (AI) techniques. In the context of COVID-19, big data refers to patient healthcare data such as lists of physicians and patients, medical images, physician notes, case history, chest X-ray reports, information about outbreak areas, and so on. These data are generated from a number of sources, ranging from Internet of Things (IoT) sensors (e.g., smartphone data) to online social platforms (e.g., public reactions). The traditional data analytic tools and mechanisms are not adequate for meeting the requirements during the COVID-19 pandemic. Such transformation and processing can benefit from the new insights provided by branches of AI, like the use of machine learning and deep learning to improve the COVID-19 pandemic situation and drive further mitigation of the COVID-19 outbreak.



mdpi.com/si/49120

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)