



Nanosensors Array for Early Detection of Emerging and Re-emerging Coronaviruses

Guest Editors:

**Prof. Dr. Velusamy
Palaniyandi**

Research and Development, Sree
Balaji Medical College and
Hospital, Bharath Institute of
Higher Education and Research
(BIHER), Chennai 600 044, Tamil
Nadu, India

Dr. Subash C B Gopinath

Faculty of Chemical Engineering
& Technology and Institute of
Nano Electronic Engineering,
Universiti Malaysia Perlis, Perlis,
Malaysia

Dr. Raman Pachaippan

Department of Biotechnology,
School of Bioengineering, SRM
Institute of Science and
Technology, Kattankulathur 603
203, Tamil Nadu, India.

Message from the Guest Editors

This Special Issue is focusing on the development of a novel “Nanosensors Array” which is required for highly selective, sensitive, rapid and early detection of specific coronavirus strains. In this Special Issue, we invite submissions of research findings relevant to a novel sensor using nanomaterials fabricated with interdigitated electrodes to monitor the interaction of aptamer and coronaviruses. This sensor can be used as a real time, non-invasive, point-of-care device for early diagnosis of emerging and re-emerging coronavirus infections in the world.

Deadline for manuscript
submissions:

closed (30 November 2023)



mdpi.com/si/140285

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giovanna Marrazza

Department of Chemistry “Ugo Schiff”, University of Florence, Via della Lastruccia 3, 50019 Sesto Fiorentino, Italy

Message from the Editor-in-Chief

Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

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, Embase, CAPus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q1 (*Chemistry, Analytical*) / CiteScore - Q1 (*Engineering (miscellaneous)*)

Contact Us

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

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

mdpi.com/journal/biosensors
biosensors@mdpi.com
[X@Biosensors_MDPI](https://twitter.com/Biosensors_MDPI)