



Functional Material-Integrated Sensor

Guest Editors:

Dr. Jhantu Kumar Saha

School of Engineering, University of Guelph, Guelph, ON N1G 2W1, Canada

Dr. Nemai Chandra Karmakar

Department of Electrical and Computer Systems Engineering, Monash University, 14 Alliance Lane, Clayton, VIC 3800, Australia

Deadline for manuscript submissions:

closed (20 March 2023)

Message from the Guest Editors

Functional materials integrated sensors can be used to monitor food safety, infrastructure, smart home, agricultural, and can also be used for biomedical applications such as virus detection in COVID-19 etc. The future of functional materials is strictly dependent on the availability of optimized synthesis techniques that allow the processing and manipulation of properties in a precise manner. This special issue encourages authors, from academia and industry, to submit new research results about technological innovations and novel applications for sensors, the various design of sensors followed by their experimental results integrated with functional materials along with their challenges.

- Functional materials synthesis techniques and properties
- Characterization techniques of functional materials
- Characteristics of functional materials in the influence of various physical parameters
- Design of various sensors including chipless RFID sensors
- Sensors integrated with functional materials
- Fabrication and performance of various sensors





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](#)