

Special Issue

State-of-the-Art Biomedical Sensors in USA

Message from the Guest Editors

This Special Issue aims to provide a comprehensive overview of the current state-of-the-art in Biomedical Sensor technology in the USA. We invite research articles that will consolidate our understanding in this area. The Special Issue will publish full research papers and reviews. Potential topics include, but are not limited to, the following research areas:

- Biomedical devices for disease diagnosis and treatment;
- Assistive systems/rehabilitation robotics with multi-sensor systems;
- Biomedical signals, image processing, and analysis;
- Multiplexed biomarker detection;
- Point-of-care testing and devices;
- Microfluidic and lab-on-a-chip technologies;
- Biosensors and biochips in diagnostics and treatment;
- Machine learning and artificial intelligence in biomedical sensors;
- Implantable sensors; Inertial sensors;
- Clinical applications: diagnostic, guiding therapy, patient monitoring, disease prevention, and risk assessment;
- Wearable sensors for sports and health monitoring
- ...

Guest Editors

Prof. Dr. Roger Narayan

Department of Biomedical Engineering, University of North Carolina and North Carolina State University, Raleigh, NC 27695, USA

Dr. Hyungsoon Im

Center for Systems Biology, Massachusetts General Hospital, Harvard Medical School, Boston, MA 02129, USA

Deadline for manuscript submissions

closed (10 September 2023)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/116493

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

[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)



About the Journal

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.

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

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 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)