



an Open Access Journal by MDPI

## Deep Learning for Sensor-Driven Medical Applications

Guest Editors:

**Dr. Shankar Kathiresan**

Big Data and Machine Learning  
Lab South Ural State, University  
Chelyabinsk, Chelyabinsk 454080,  
Russia

**Prof. Dr. Seifedine Kadry**

Department of Applied Data  
Science, Norrof University  
College, 4608 Kristiansand,  
Norway

**Dr. Gyanendra Prasad Joshi**

Department of Computer Science  
and Engineering, Sejong  
University, Seoul 05006, Republic  
of Korea

Deadline for manuscript  
submissions:

**closed (28 August 2023)**

### Message from the Guest Editors

This Special Issue on “Deep learning for Sensor-Driven Medical Applications” focuses on new sensing technologies, measurement techniques, and their applications in medicine and healthcare. We offered this topic, being aware of the fundamental role that smart sensors can have in enhancing the quality of healthcare services in both acute and chronic conditions as well as for prevention towards a healthy life and active aging. This Special Issue welcomes both original research papers and review articles focusing on innovative ideas. Topics of interest include, but are not limited to:

- Sensor-enabled medical data for disease diagnosis and monitoring;
- Computer aided diagnosis models;
- Wearables and Telemedicine;
- Data Security and Privacy Mechanisms in sensor enabled healthcare system;
- Deep learning for medical data;
- Computational intelligence for medical data;
- Big data analytics for healthcare applications;
- Sensors and Systems for Brain Computer Interfaces.





*sensors*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Vittorio M. N. Passaro**

Department of Electrical and  
Information Engineering,  
Politecnico di Bari, Via Orabona  
4, 70126 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 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

## Contact Us

---

*Sensors* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)