



Sensors and Signal Processing Techniques for Non-invasive Health Monitoring

Guest Editors:

Dr. Elisabetta Peri

Dr. Alessandra Galli

Dr. Sarah Tonello

Dr. Ana Neacșu

Dr. Maria G. Signorini

Deadline for manuscript
submissions:

20 July 2025

Message from the Guest Editors

The rapid advancement in non-invasive biomedical diagnostics and monitoring holds the potential to transform healthcare by offering portable and unobtrusive devices that provide real-time, continuous monitoring of human physiological conditions.

Robust monitoring requires joint development of sensing technology and signal processing algorithms for extracting, analyzing, and interpreting complex biological signals, including-but not limited to-electrocardiograms, electroencephalograms, and other physiological data.

This Special Issue aims to highlight cutting-edge research and encourage innovation in the field of non-invasive biomedical diagnostics and monitoring, by covering a wide spectrum of technological and methodological advances.

Topics of interest include, but are not limited to:

- The development of novel sensor technologies;
- Integration of machine learning models for diagnostic and monitoring applications;
- Strategies for minimizing power consumption;
- Algorithms for real-time processing in wearable and portable devices;
- Methods for ensuring signal integrity across diverse clinical and home environments;





sensors



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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.

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Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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