



Sensors and Signal Processing Techniques for Non-Invasive Health Monitoring

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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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Message from the Editor-in-Chief

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