

Special Issue

Biomedical Signal Processing for Disease Diagnosis

Message from the Guest Editors

Nowadays, sensors are integrated in many medical devices in order to record the signals generated by the physiological activity of our body. Biomedical signal processing is an interdisciplinary field where physicians, mathematicians, biologists, and engineers, among others, collaborate to develop and/or apply mathematical methods to extract useful information from the recorded physiological data. This Special Issue aims to attract researchers with interest on the application of signal processing methods to different biomedical signals (electrocardiogram, electroencephalogram, magnetoencephalogram, electromyogram, galvanic skin response, pulse oximetry, photoplethysmogram, etc.) to help physicians in the diagnosis of human diseases. Original papers that describe new research on this subject are welcomed. We look forward your participation in this Special Issue.

- Biomedical signal processing
- Biomedical signals (ECG, EEG, PPG, EDR, EMG, etc.)
- Diseases
- Aid diagnosis
- Physiological time series dynamics
- Physiological redundancy, synergy, complexity, and connectivity
- Linear and non-linear data processing
- Time, frequency, and time–frequency analyses

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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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