Special Issue

Intelligent Biomedical Signals Processing: Extending and Enhancing Life

Message from the Guest Editors

Biomedical signals consist of physiological measurements that are used mainly to extract relevant information such as heart rate, muscle activities, pulse and others. Electrocardiogram (ECG), electroencephalogram (EEG) and electromyogram (EMG) are the most commonly used biomedical signals in various applications such as for diagnosis, monitoring, prediction, human–computer interactions, among others. All these parameters find their way into applications that are either used to conserve, extend and even enhance life (and quality of life). This Special Issue aims to provide a collection of latest contributions in the approaches and advancement of the biomedical signal processing field. Topics relevant to analysis of various biosignals and applications are welcome. The scope of the issue includes, but is not limited to, the following topics:

- Biomedical Signal Analysis and Processing
- Biomedical Imaging and Image Processing
- Biosensors and Wearable Technology
- Neural Engineering and Brain Computer Interface
- Biomedical and Medical Robot

Guest Editors

Dr. Siti Anom Ahmad

Department of Electrical and Electronic Engineering, Faculty of Engineering, Universiti Putra Malaysia, Serdang 43400, Malaysia

Dr. Alpha Agape Gopalai

School of Engineering, Monash University Malaysia, Subang Jaya, Malaysia

Deadline for manuscript submissions

closed (31 July 2023)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/162952

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, 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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)