Special Issue

Application of Biosignal Processing, Artificial Intelligence and Machine Learning on Healthcare

Message from the Guest Editor

The aim of this Special Issue is to collect a compendium of articles about the recent trends and advances in biomedical signal processing and wearable devices, as well as the development of artificial intelligence systems for clinical applications. Topics of interest include, but are not limited to, the following:

- New trends in physiological monitoring and vital sign recording;
- Processing and analysis of electrocardiogram (ECG), electroencephalogram (EEG), photoplethysmogram (PPG), inertial measurement unit (IMU), electromyogram (EMG), and other technologies;
- Applications of machine learning and artificial intelligence in healthcare;
- Development of wearable devices and body sensor networks;
- Human activity recognition and tracking and remote monitoring;
- Digital health and mHealth for disease monitoring, detection, and prediction.

Guest Editor

Dr. Syed Khairul Bashar

Electrical and Computer Engineering, Georgia Institute of Technology, Atlanta, 30332, United States

Deadline for manuscript submissions

closed (15 December 2023)

Electronics

About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

MDPI