



Advanced Methods of Biomedical Signal Processing

Guest Editor:

Dr. Hugo Fernando Posada-Quintero

Department of Biomedical Engineering, University of Connecticut, Storrs, CT 06269, USA

Deadline for manuscript submissions:

closed (31 January 2024)

Message from the Guest Editor

Dear Colleague,

Biomedical sensing technology is most commonly perceived as wearable devices, such as smart glasses, smart watches, and smart clothing have become more and more popular in recent years. People have become more inclined to monitor themselves more closely than ever, and technology is enabling them to do so. The trend of wearable technology looks set to continue as technology improves. The challenges of new sensing technologies include quality control, data corruption detection and correction, as well as automatic interpretation of massive amounts of data. For this reason, in recent years many researchers have been working to advance the methods for processing biomedical signals. In this Special Issue, we invite research papers presenting novel and advanced Methods of Biomedical Signal Processing, applied but not limited to EDA, ECG, EMG, EEG, PPG, and other biomedical signals or images, as well as their application in the detection and correction of data corruption, and interpretation, diagnosis or prediction of physiological conditions or diseases.





signals



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Santiago Marco

1. Department of Electronics and Biomedical Engineering,
University of Barcelona, Martí I
Franqués 1, 08028 Barcelona,
Spain
2. Signal and Information
Processing in Sensor Systems,
Institute for Bioengineering of
Catalonia, The Barcelona
Institute of Science and
Technology, Baldiri Rexac 10-12,
08028 Barcelona, Spain

Message from the Editor-in-Chief

Our primary goal is to encourage scientists and engineers to publish their theoretical results and developed methods in as much detail as possible. There is no limit to the maximum length of papers. Whenever possible, authors are encouraged to provide relevant data and developed code so that the results can be reproduced. Our goal is to provide a platform for scientists and engineers to share new approaches to signal processing in various application domains.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [ESCI \(Web of Science\)](#), [Inspec](#), and [other databases](#).

Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 22.9 days after submission; acceptance to publication is undertaken in 7.6 days (median values for papers published in this journal in the first half of 2025).

Contact Us

Signals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/signals
signals@mdpi.com
[X@Signals_MDPI](#)