

# Special Issue

## Advanced Methods of Biomedical Signal Processing

### 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.

---

### 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)



# Signals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 4.6



[mdpi.com/si/112918](https://www.mdpi.com/si/112918)

*Signals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
signals@mdpi.com

[mdpi.com/journal/  
signals](https://www.mdpi.com/journal/signals)





# Signals

---

an Open Access Journal  
by MDPI

---

**Impact Factor 2.6**  
**CiteScore 4.6**

---



[mdpi.com/journal/  
signals](http://mdpi.com/journal/signals)

## About the Journal

### 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.

---

### 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, Baldíri Rexac 10-12, 08028 Barcelona, Spain

---

### Author Benefits

#### 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 21.8 days after submission; acceptance to publication is undertaken in 8.9 days (median values for papers published in this journal in the second half of 2025).

#### Journal Rank:

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

