

## Special Issue

# Biosignals and the Development of Novel Biosensors

### Message from the Guest Editor

Research in biosensors is crucial for the development of tools that can detect biomarkers and herald the existence of underlying pathogens and illnesses. For instance, the recent Covid-19 crisis has proven the need for such biosensors providing results fast and accurately. Additionally, there is still a continuing need for the diagnosis and monitoring of illnesses and disorders such as cancer, diabetes, and vitamin deficiencies. Other notable applications of biosensors are environmental monitoring and food quality control to sustain healthy resources. Recent advances in biochemistry, nanotechnology, machine learning, and wearable electronics promise a new generation of biosensors that can provide real-time data and fast processing times to prevent delays. In this Special Issue, we are inviting studies that present novel procedures and strategies for the development of highly sensitive and selective biosensors in healthcare services, the agricultural/food industry, and environmental monitoring.

### Guest Editor

Dr. Nihan Aydemir

Nano Science and Engineering Department, Gebze Technical University, Gebze 41400, Kocaeli, Turkey

### Deadline for manuscript submissions

closed (15 August 2021)



## Signals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 4.6



[mdpi.com/si/47815](https://mdpi.com/si/47815)

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

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

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





# Signals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 4.6



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

#### Journal Rank:

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