

## Special Issue

# Contribution of Smart Biosensors to the Future of the Health Care Services

### Message from the Guest Editor

Recently, the design and development of sensors with new or improved capabilities has attracted interest and funding from academia and industrial partners. In the healthcare field, some of the key developments have related to the reduction of the noise-to-signal ratio for more accurate readings, the employment of new wearable or implantable biocompatible materials and the downsizing of these materials to ensure minimally invasivity. The coupling of these new technologies with machine learning or artificial intelligence algorithms have contributed to the enhancement of the sensor's capabilities, making them "smart". We are designing a Special Issue that aims to give the reader an updated understanding of how "smart" biosensors will improve the future of healthcare services. Papers presenting relevant scientific, clinical, or technological advances in areas like clinical diagnosis, patient safety, patient management or reduction of health care expenditures are welcome.

---

### Guest Editor

Dr. Pau Redón Lurbe

Smart Sensors Laboratory-NUIG, Galway, Ireland

---

### Deadline for manuscript submissions

closed (30 September 2020)



**Bioengineering**

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.8**  
**CiteScore 4.0**  
**Indexed in PubMed**



[mdpi.com/si/42377](https://mdpi.com/si/42377)

*Bioengineering*

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

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





## Bioengineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.8  
CiteScore 4.0  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

---

### Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical Engineering, Texas A&M University, College Station, TX 77843, USA

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPIus / SciFinder, Inspec, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Biomedical)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2024).