

## Special Issue

# Advances in Biomedical Instrumentation: Diagnosis, Therapy, and Rehabilitation (Featuring Selected Contributions Presented at the BEI-2023 Conference)

### Message from the Guest Editors

This Special Issue is dedicated to recent developments and advancements in biomedical engineering instrumentation. The main topics include the instrumentation used in biofabrication and biomanufacturing; advanced biomaterials; biochemical, cellular, molecular and tissue engineering; health monitoring and wearable systems; rehabilitation engineering and clinical engineering; biomedical imaging, image processing and visualization; biosensor technology, bio-signal processing and analysis for diagnostic purposes; bioelectrical and neural engineering; and AI biomedical devices. Sincerely,

---

### Guest Editors

Prof. Dr. Anthony Guiseppi-Elie  
Dr. Andrea Cataldo  
Dr. John G. Hardy

---

### Deadline for manuscript submissions

closed (15 April 2024)



**Bioengineering**

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.7**  
**CiteScore 5.3**  
**Indexed in PubMed**



[mdpi.com/si/175777](https://mdpi.com/si/175777)

*Bioengineering*  
Editorial Office  
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 3.7  
CiteScore 5.3  
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 19.2 days after submission; acceptance to publication is undertaken in 3.3 days (median values for papers published in this journal in the first half of 2025).