



## Robotic Assisted Rehabilitation and Therapy

Guest Editors:

**Prof. Dr. Carlos A. Jara**

HUMAN Robotics Group,  
Universitat d'Alacant, Alicante,  
Spain

**Dr. Andres Ubeda**

HUMAN Robotics Group,  
Universitat d'Alacant, Alicante,  
Spain

Deadline for manuscript  
submissions:

**15 July 2024**

### Message from the Guest Editors

The number of people with congenital and/or acquired disabilities are quickly increasing, and therefore there are many dependents who lack the necessary autonomy for a fully independent life. In addition, the functional recovery of these disabled people is variable and specific to each patient and depends on the seriousness of the injury and the type of pathology. These issues have motivated the scientific community to provide new research and development in complementary tools to increase the effectiveness and adaptability of conventional rehabilitation therapy.

This Special Issue is focused on breakthrough developments in the field of robotic devices for assisted rehabilitation therapy as well as biosensors applied in the assessment of function recovery during patient therapy. Papers should address innovative robotic solutions for assistance and rehabilitation of impaired people combined with the acquisition of biomechanical or cognitive information using a variety of techniques, including electrophysiology, computer vision and motion tracking. Both review articles and original research papers are encouraged.





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Anthony Guiseppi-Elie**

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

## 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.

## Author Benefits

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

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [CAPlus / SciFinder](#), [Inspec](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Engineering, Biomedical*)

## Contact Us

---

*Bioengineering* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/bioengineering](http://mdpi.com/journal/bioengineering)  
[bioengineering@mdpi.com](mailto:bioengineering@mdpi.com)  
[X@Bioeng\\_MDPI](https://twitter.com/Bioeng_MDPI)