

## Special Issue

# State-of-the-Art in Service and Rehabilitation Machines

### Message from the Guest Editors

In rehabilitation robotics, there have been several technological developments for various medical applications. Within these devices, we can find rehabilitation machines, orthoses, and exoskeletons, among others. The objective of these rehabilitation machines is to support and improve the effectiveness of physiotherapists to facilitate and increase the speed of patients' recovery. Rehabilitation machines are operated automatically and designed as tools for rehabilitation therapists to recover the range of motion, strengthen the affected part, decrease the repetitive work of physical therapists, provide patient assistance, increase the number of therapy services and offer a greater diversity of personalized therapies with precise, smooth and safe movements. This Special Issue aims to attract researchers to present recent advances and technologies, as well as review articles, in the area of rehabilitation robotics concerning analysis, synthesis, design, and control aspects.

Dr. César Humberto Guzmán-Valdivia

---

### Guest Editors

Prof. Dr. Andres Blanco-Ortega

Centro Nacional de Investigación y Desarrollo Tecnológico, Mexico, Cuernavaca, Mexico

Dr. César Humberto Guzmán-Valdivia

Department of Mechanical Engineering, Autonomous University of Aguascalientes, Aguascalientes, Mexico

---

### Deadline for manuscript submissions

closed (29 February 2024)



## Machines

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.7



[mdpi.com/si/128304](https://mdpi.com/si/128304)

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

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





# Machines

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.7



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



## About the Journal

### Message from the Editor-in-Chief

*Machines* is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

---

### Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso  
CISE–Electromechatronic Systems Research Centre, University of Beira Interior, Calçada Fonte do Lameiro, P-6201-001 Covilhã, Portugal

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q1 (Control and Optimization)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).