

Special Issue

Smart Application in Mechanisms, Machine Design and Robotics

Message from the Guest Editors

In our modern society, the development of smart devices, machines, and robots is crucial, which calls for the development of novel and optimized mechanisms, machine parts design and robotic structures. We are pleased to invite you to contribute results of your latest theoretical and experimental research results in the field of mechanism science, mechanical transmissions, robotics, mechatronics and biomechanics to our Special Issue. The main topics include mechanism applications and development of mechanical transmissions, biomechanics, machine design, robotics applications, biorobotics and mobile robotics. The aim is to have a collection of at least 10 articles, with extended papers from the MTM & Robotics 2026 Conference; regular papers are also welcome. This Special Issue may be printed in book form if this number is reached. For this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Innovative machines design and theory
- Novel mechanisms and mechanical transmissions applications;
- Biorobotics, teleoperation, haptics and virtual reality;
- Robotics, mechatronics and intelligent machines.

Guest Editors

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Prof. Dr. Ioan Doroftei

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Deadline for manuscript submissions

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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
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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).