Special Issue

Mathematical Analysis of Robotics and Mechanisms

Message from the Guest Editors

Robotics are utilised in a variety of sectors so that people may concentrate on the most important and useful jobs. Industrial and manufacturing enterprises, warehousing and logistics firms, healthcare providers, and retail, banking, and hospitality businesses are utilising robots to achieve improved business outcomes. This Special Issue will feature a collection of papers reflecting the most recent advancements in mathematical methods for solving problems and optimisation of classical and modern robot structures, including walking robots, robotic manipulators, robotic exoskeletons, haptic robots, parallel robots, and any other old and new mechanisms with all feasible tasks, for all their potential challenges and applications. Topics of interest for this Special Issue are not limited to those highlighted above. Both theoretical and experimental studies are welcome, as well as comprehensive reviews and survey articles.

Guest Editors

Prof. Dr. Bogdan Mocan

Dr. Sergiu Dan Stan

Prof. Dr. Milos Manic

Dr. Milos Simonovic

Deadline for manuscript submissions

15 October 2025

MDPI

Σ

Mathematics

mdpi.com/journal/
mathematics

About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

Author Benefits

High Visibility:
indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

Journal Rank:
JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Rapid Publication:
manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

MDPI