

Special Issue

Advances in Dynamics and Vibration Control in Mechanical Engineering

Message from the Guest Editor

Dynamics and vibration control are a prevalent and significant phenomenon in various mechanical engineering systems, influencing their performance and stability. Vibrations can arise from a multitude of sources, including external forces and rotating machinery. These sources have shown the great sensitivity of the dynamic and vibration analysis of mechanical systems. Therefore, this Special Issue focuses on publishing research that progresses or improves the dynamics and vibration control in mechanical engineering. In this Special Issue, original research papers are welcome. Research areas may include, but are not limited to, the following topics:

- Vibration control;
- Dynamic and vibration engineering;
- Theoretical modeling;
- Uncertainty analysis;
- Mechanical dynamics of mechanical systems;
- Optimization.

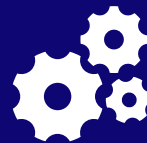
Guest Editor

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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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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).