

## Special Issue

# Machine Science and Research in Jiangsu University: Celebrating the 60th Anniversary of the Research Center of Fluid Machinery Engineering and Technology

### Message from the Guest Editors

To celebrate the 60th Anniversary of the Research Center of Fluid Machinery Engineering and Technology, Jiangsu University, we plan to launch this anniversary Special Issue on the latest status of theoretical analysis, numerical simulation, and experimental studies of advanced fluid machinery. Papers containing theoretical innovation and practical experimental results are particularly encouraged. This Special Issue will cover a wide range of disciplines as follows:

- Optimization of advanced fluid machinery using different advanced algorithms;
- Flow characteristics of advanced fluid machinery using numerical and experimental methods;
- Vibration and noise of advanced fluid machinery;
- Fluid–structural coupling analysis of advanced fluid machinery;
- Transient characteristics of fluid machinery in operation;
- Cavitation and multi-phase flow of advanced fluid machinery;
- New energy systems, simulation, and optimization;
- Other aspects on fluid machinery.

---

### Guest Editors

Prof. Dr. Qiaorui Si

Prof. Dr. Jiangping Yuan

Prof. Dr. Chuan Wang

Dr. Francesco Romanò

---

### Deadline for manuscript submissions

closed (31 July 2023)



## Machines

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.7



[mdpi.com/si/152266](https://mdpi.com/si/152266)

*Machines*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
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 16.9 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).