

Special Issue

Advances in Smart Manufacturing and Industry 4.0

Message from the Guest Editor

This Special Issue aims to publish state-of-the-art and visionary research works on Advances in Smart Manufacturing and Industry 4.0, including but not limited to the following:

- Service-oriented approach under Industry 4.0
- Mass personalisation design, development, and manufacturing
- Sustainable industrialisation in the United Nations' Sustainable Development Goal No.9
- Advanced decision-making for on-demand manufacturing
- Digital Manufacturing and the Smart Factory
- Machine tools and machining processes in smart manufacturing
- Cloud manufacturing for sustainability and resilience
- Industry 4.0 enabling technologies for lean manufacturing
- AR/VR/MR-based human-machine interactions in smart manufacturing
- Machine learning applications for advanced manufacturing
- Big data and IoT in smart manufacturing
- Industry 4.0-enabled production planning and maintenance scheduling
- Knowledge management for smart manufacturing
- Smart manufacturing process modelling, simulation, and control, toward prediction
- Case studies under Industry 4.0

Guest Editor

Dr. Shohin Aheleroff

SUEZ Smart Solutions Limited, Auckland 1010, New Zealand

Deadline for manuscript submissions

closed (31 December 2023)



Machines

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.7



mdpi.com/si/138044

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).