



## **Advances in Smart Manufacturing and Industry 4.0**

Guest Editor:

**Dr. Shohin Ahleroff**

SUEZ Smart Solutions Limited,  
Auckland 1010, New Zealand

### **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:

Deadline for manuscript  
submissions:

**closed (31 December 2023)**

- 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





an Open Access Journal by MDPI

## **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

## **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.

## **Author Benefits**

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

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

**Journal Rank:** JCR - Q2 (*Engineering, Mechanical*)

## **Contact Us**

---

*Machines* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/machines](http://mdpi.com/journal/machines)  
[machines@mdpi.com](mailto:machines@mdpi.com)  
X@Machines\_MDPI