

## Special Issue

# Integration of Industrial Machines into Smart Manufacturing, Digital Twin Technology for Industry 4.0 Machinery

### Message from the Guest Editor

This Special Issue aims to synthesize research and recent advancements in methods and technologies developed for smart manufacturing and Industry 4.0. It focuses on the improvement of machine design and integrating existing industrial machines into the Industry 4.0 ecosystem. The methods covered include Industrial Internet of Things (IIoT), Digital Twin, energy efficiency, AI-based and hybrid algorithms, Virtual Reality, and advanced Maintenance, all aimed at enhancing performance and adapting machines to Industry 4.0 standards.

- smart manufacturing
- Industry 4.0 methodologies
- Industrial Internet of Things (IIoT)
- Artificial Intelligence (AI)
- cloud computing
- Virtual Reality (VR)
- Digital Twin (DT)

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### Guest Editor

Dr. Chakib Alaoui

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### Deadline for manuscript submissions

28 February 2026



## Machines

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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.

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### Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso

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#### Rapid Publication:

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