

## Special Issue

# Evaluation of State of Health of Equipment for Predictive Maintenance and Circular Economy

### Message from the Guest Editor

Today, companies are trying to improve the reliability of their equipment by implementing technical solutions such as health monitoring and effective diagnostics.

This Special Issue will focus on health assessment methodologies throughout the life cycle of machines.

Topics of interest include:

- Data-driven fault diagnosis techniques.
- Advanced model-based fault diagnosis and fault-tolerant control techniques for complex industrial processes.
- Intelligent fault diagnosis and fault-tolerant control techniques for safety-critical systems.
- Real-time implementation and industrial applications.
- Predictive maintenance including remanufacturing.
- Maintenance and circular economy.
- Management of obsolescence.

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### Guest Editor

Prof. Dr. Zineb Simeu-Abazi

Computer Science, Université Grenoble Alpes, Grenoble, France

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### Deadline for manuscript submissions

closed (31 March 2024)



## 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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#### Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q1  
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#### 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).