

Special Issue

Machine Learning-Based Intelligent Industry 4.0 Control Systems for Manufacturing

Message from the Guest Editors

This Special Issue on “Machine Learning-Based Intelligent Industry 4.0 Control Systems for Manufacturing” aims to cover recent advances in the development of intelligent AI/ML-based control systems for manufacturing processes. Topics of interest include, but are not limited to:

- AI-based computer vision applications for quality control in manufacturing processes;
- Intelligent machine monitoring systems;
- Edge applications of AI/ML for manufacturing processes;
- Data issues (such as federated data sharing, de-duplication, data privacy and ethical concerns);
- Intelligent systems for enabling low-carbon (and net-zero) manufacturing processes.

Guest Editors

Dr. Alex Shenfield

Department of Engineering and Mathematics, Sheffield Hallam University, Sheffield, UK

Dr. Hongwei Zhang

Advanced Food Innovation Centre, Sheffield Hallam University, Howard Street, Sheffield S1 1WB, UK

Deadline for manuscript submissions

20 October 2025



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/205233

Processes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

[mdpi.com/journal/
processes](https://mdpi.com/journal/processes)





Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



[mdpi.com/journal/
processes](https://mdpi.com/journal/processes)



About the Journal

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))