Special Issue

Green Manufacturing Processes: Data Modelling and Fusion-Driven Optimization Control

Message from the Guest Editors

Topics include, but are not limited to:

- New optimization control techniques to investigate the multi-axis machining processes of complex parts.
- Investigations of energy efficiency involving electricity, heat, gas, waste, and mass transfer in multi-axis machining systems, considering multi-source heterogeneous data.
- New model approaches to describing multi-axis machining energy efficiency, including both local phenomena (such as the energy and other information flow of each axis) and the total calculation of multi-axis integrated energy consumption.
- Application of advanced computer science techniques, such as machine learning and deep learning, to explore the energy efficiency optimization behavior of multi-axis processing.

Guest Editors

Prof. Dr. Li Li

Dr. Wei Cai

Dr. Lingling Li

Deadline for manuscript submissions

10 January 2026

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/si/187822

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

mdpi.com/journal/processes

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

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))

MDPI