



an Open Access Journal by MDPI

Novel Manufacturing Processes and Their Innovation for Industries

Guest Editors:

Dr. Xiao Li

Applied Materials and Manufacturing Group, Pacific Northwest National Laboratory, Richland, WA, USA

Dr. Hrishikesh Das

Pacific Northwest National Laboratory, PO Box 999, Richland, WA 99352, USA

Deadline for manuscript submissions: **31 December 2024**

Message from the Guest Editors

In a world where new technologies and concepts emerge every day, the manufacturing industry faces endless opportunities as well as unprecedented challenges. Innovative manufacturing processes are key to realizing a paradigm shift in industrial production, ushering in unprecedented levels of efficiency, sustainability, and customization. These innovations encompass a wide array of cutting-edge techniques, from sustainable manufacturing processes and AI and data-driven manufacturing, to novel recycling and upcycling processes.

This Special Issue aims to collect original research and review publications introducing insights gained by conceptual design, experimental development, and numerical simulation of novel manufacturing processes with potential impacts on the industry.









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 mdpi.com/journal/machines machines@mdpi.com X@Machines_MDPI