Special Issue

Advances and Innovations in Manufacturing Technologies

Message from the Guest Editor

Manufacturing is rapidly evolving globally amid raising trade tensions, growing economic uncertainty, and increasing awareness of sustainability and the value of data. One of the key changes in manufacturing arises from Industry 4.0, which includes digitalisation and automation of processes, additive manufacturing. applications of machine learning and artificial intelligence in manufacturing, Industrial Internet of Things (IIoT), digital twin and cyber physical systems. Another key change in manufacturing comes from increasing environmental awareness and sustainability, which includes improving the energy and resource efficiency of manufacturing processes, reduction of plastics, and minimisation of wastes created in the development of new sustainable materials and processes, and life cycle assessment. Topics of interest include, but are not limited to:

- Advances and innovations in traditional manufacturing processes
- Additive manufacturing
- Automation and robotics
- Machine learning and artificial intelligence applications in manufacturing
- Sustainable or green manufacturing
- Energy efficiency and optimisation of manufacturing processes

Guest Editor

Dr. Eugene Wong

Engineering Cluster, Singapore Institute of Technology, 10 Dover Drive, Singapore 138683, Singapore

Deadline for manuscript submissions

closed (31 July 2021)



Technologies

an Open Access Journal by MDPI

Impact Factor 3.6 CiteScore 8.5



mdpi.com/si/48470

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

mdpi.com/journal/technologies





Technologies

an Open Access Journal by MDPI

Impact Factor 3.6 CiteScore 8.5



About the Journal

Message from the Editor-in-Chief

Technologies, provides a single focus for reporting on developments of all technologies, regardless of their application. It is our intention that Technologies becomes the journal of choice for both researchers wanting to publish their work and technologists wishing to exploit the high quality research across a wide range of potential applications. Through its open access policy, its quick publication cycle, Technologies will facilitate the rapid uptake and development of the research presented, ultimately providing benefit to the wider society.

Editor-in-Chief

Prof. Dr. Manoj Gupta

Department of Mechanical Engineering, National University of Singapore, Singapore 117576, Singapore

Author Benefits

High Visibility:

indexed within ESCI (Web of Science), Scopus, Inspec, Ei Compendex, INSPIRE, and other databases.

Journal Rank:

JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (Computer Science (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.8 days after submission; acceptance to publication is undertaken in 3.9 days (median values for papers published in this journal in the first half of 2025).

