

Special Issue

Advanced Manufacturing and Machining Processes

Message from the Guest Editors

The aim of this Special Issue is to collate the state of the art and showcase recent innovations in advanced machining processes. This Special Issue invites papers in the area of advanced manufacturing and machining processes with a specific focus on the abovementioned areas with the objective to achieve the following:

- Provide an in-depth analysis of recent innovations in machining techniques, such as ultrasonic machining, novel cooling/heating/lubrication techniques, and novel tool designs;
- Provide an insight into the mechanics of material cutting for advanced alloys and composites and their interactions with other parameters in a machining system, including the use of CFD and FEA;
- Report on advances in sensor-based data collection and control and the application of machine learning in manufacturing and specifically machining processes;
- Deliver detailed investigations on the impact of recent advances on the sustainability and environmental aspects of manufacturing processes.

For further information, please visit mdpi.com/si/32600.

Guest Editors

Dr. Alborz Shokrani

Department of Mechanical Engineering, University of Bath, Bath BA2 7AY, UK

Prof. Dr. Dirk Biermann

Institute of Machining Technology, TU Dortmund University, Dortmund, Germany

Deadline for manuscript submissions

closed (31 May 2020)



Journal of Manufacturing and Materials Processing

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.2



mdpi.com/si/32600

*Journal of Manufacturing and
Materials Processing*

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

jmmp@mdpi.com

mdpi.com/journal/

jmmp





Journal of Manufacturing and Materials Processing

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.2



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



About the Journal

Message from the Editor-in-Chief

Journal of Manufacturing and Materials Processing (JMMP) (ISSN 2504-4494) is a new MDPI peer-reviewed, open access venue with a focus on the scientific fundamentals and engineering methodologies of manufacturing and materials processing. We offer an online platform facilitating effective exchange of innovative scientific and engineering ideas and the dissemination of recent, original, and significant research and developmental findings. On behalf of the Editorial Board, I extend an invitation to our scientific and engineering colleagues to contribute high-quality, innovative, and ground-breaking research articles to *JMMP*.

Editor-in-Chief

Prof. Dr. Steven Y. Liang
George W. Woodruff School of Mechanical Engineering, Georgia
Institute of Technology, Atlanta, GA 30332-0405, USA

Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q2
(Mechanical Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.9 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).