

## Special Issue

# Advances in Machining of Difficult-to-Cut Materials

### Message from the Guest Editors

In this *JMMP* Special Issue, we are inviting submissions on new investigations, findings and advances in the machining of difficult-to-cut materials such as nickel and titanium alloys, stainless steels, additively manufactured alloys, refractory metals, metal matrix and ceramic matrix composites, CFRP, etc. This includes but is not limited to:

- Fundamental understanding of material behaviour during cutting;
- New methods and technologies to improve machining performance;
- Hybrid and assisted machining processes;
- Cutting tools and cooling/lubrication technologies;
- Surface integrity analysis;
- Computational, analytical and data-driven modelling;
- Sustainable machining;
- Process monitoring and control.

---

### Guest Editors

Dr. Alborz Shokrani

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

Prof. Dr. François Ducobu

UMONS Research Institute for Materials Science and Engineering, University of Mons, 7000 Mons, Belgium

---

### Deadline for manuscript submissions

closed (31 May 2024)



## Journal of Manufacturing and Materials Processing

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 5.2



[mdpi.com/si/147427](https://mdpi.com/si/147427)

*Journal of Manufacturing and  
Materials Processing*

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

[jmmp@mdpi.com](mailto:jmmp@mdpi.com)

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

[jmmp](https://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).