

## Special Issue

# Advances in Metal Cutting and Cutting Tools

### Message from the Guest Editors

The transition to more green and sustainable mobility brings challenges in the selection of lighter and more resistant materials. Machining processes need to be improved and the cutting tools modified in order to face these challenges. The continuous development of modeling tools can predict the machining behavior of cutting tools and help the advancements to tool geometry. On the other hand, the progresses in cutting tool sensorization to achieve the goals of Industry 4.0 hold great promise for their ability to increase cutting tools' lifetime. This Special Issue provides an opportunity to present the recent advances in metal cutting and cutting tools. **Keywords**

- cutting tools
- modeling
- machining
- sensorization

---

### Guest Editors

Dr. Cristina M. Fernandes  
Dr. Georgina Miranda  
Prof. Dr. Joao Paulo Davim

---

### Deadline for manuscript submissions

closed (28 February 2024)



## Journal of Manufacturing and Materials Processing

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 5.2



[mdpi.com/si/114983](https://mdpi.com/si/114983)

*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/  
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).