

## Special Issue

# Advanced Welding Processes, Additive Manufacturing and Numerical Models

### Message from the Guest Editor

Welding and additive manufacturing are key technologies in the modern manufacturing industry that have increasing needs relating to high-quality products, high-volume deposition, and high-temperature application. This Special Issue aims to highlight the latest progress on the welding process and additive manufacturing development towards the fabrication of new structures, the innovation of functional materials, and the optimization of manufacturing processes. Full-length research articles on welding technology development, weld consumables, powder material, additive manufacturing process, numerical modeling, and process monitoring and control, among other things, are welcome. The world's leading experts in the field of welding and additive manufacturing will be invited to submit their findings. Accepted papers will be open access for the whole research community in order to increase the visibility of their innovative research findings.

---

### Guest Editor

Dr. Hui Huang

School of Mechanical Engineering, Shanghai Jiao Tong University,  
Shanghai 200240, China

---

### Deadline for manuscript submissions

closed (1 October 2024)



## Journal of Manufacturing and Materials Processing

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 5.2



[mdpi.com/si/185522](https://mdpi.com/si/185522)

*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).