

## Special Issue

# Powder Metallurgy and Additive Manufacturing/3D Printing of Materials

### Message from the Guest Editor

Powder metallurgy (PM) and related processes, including additive manufacturing (AM)/3D printing, are revolutionizing the manufacturing sector, especially for the production of the metallic components with added functionalities. Not only can they fabricate near-net-shaped components, but they can also help in the materials saving and weight reduction of components in the automobile and aerospace sectors, and help in reducing fuel consumption and promoting a greener environment. Both PM and AM are undergoing rapid development, with new improvements and innovations taking place rapidly. However, they still face several industrial challenges, like process capabilities, and material aspects including microstructure formation and properties and the process cycle. It is, therefore, necessary to devote attention to focus research and development activities in these fields, including PM and AM, to promote the industrialization of these processes and new technologies. This includes the production of powder, the properties of powder, AM process developments, the design of alloys for the AM process, and the post-processing of the components.

---

### Guest Editor

Prof. Dr. Konda Gokuldoss Prashanth

Head of the Additive Manufacturing Laboratory, Professor at the Department of Mechanical and Industrial Engineering, Tallinn University of Technology, Ehitajate Tee 5, 19086 Tallinn, Estonia

---

### Deadline for manuscript submissions

closed (31 December 2022)



## Journal of Manufacturing and Materials Processing

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 5.2



[mdpi.com/si/36086](https://mdpi.com/si/36086)

*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,  
CAPlus / 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).