

## Special Issue

# Progress in Powder-Based Additive Manufacturing

### Message from the Guest Editors

This Special Issue, “Progress in Powder-Based Additive Manufacturing”, will focus on advances in powder manufacturing, material design, process development, and simulation techniques for powder bed fusion. Of particular significance are original papers dealing with metal and polymer powders as well as laser or electron-beam powder bed fusion. Topics of interest include (but are not strictly limited to) the following:

- Powder manufacturing for AM;
- Characterization of powder properties under process conditions;
- New materials for additive manufacturing;
- Polymers and metals;
- Effect of powder properties on the properties of AM components;
- Fundamental investigations on the powder–process–component relationship;
- Advanced additive manufacturing strategies;
- Modeling and simulation applied to powder bed fusion;
- Product design and topology optimization;
- Smart materials and multi-functional components.

---

### Guest Editors

Prof. Dr. Dietmar Drummer

Prof. Dr. Michael Schmidt

Prof. Dr. David Bourell

---

### Deadline for manuscript submissions

closed (31 March 2023)



## Journal of Manufacturing and Materials Processing

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 5.2



[mdpi.com/si/141645](https://mdpi.com/si/141645)

*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).