

## Special Issue

# Advances in 3D Printing Technologies: Materials, Processes, and Applications

### Message from the Guest Editors

For this Special Issue, we welcome submissions showcasing novel materials, process innovations, and real-world applications. Contributions should include experimental, computational, or theoretical approaches to enhance the understanding and implementation of 3D printing, with a focus on integrating IoT and AI to further advance the field. We encourage you to submit your work in the following research areas: -

Development of advanced materials for 3D printing; - Hybrid and non-traditional printing techniques; - IoT-enabled monitoring and control in 3D printing; - Precision, scalability, and optimization in additive manufacturing; - Sustainable materials and processes; - Applications in healthcare, aerospace, and automotive industries; - Characterization and modeling of printed materials; - Multi-material and multi-scale printing; - Quality assurance and defect analysis; - Process monitoring, data-driven methods, and Industry 4.0 integration.

---

### Guest Editors

Dr. Maria Tanase

Mechanical Engineering Department, Petroleum-Gas University of Ploiesti, 100680 Ploiesti, Romania

Dr. Cristina Veres

1. Faculty of Engineering and Information Technology, George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș, Nicolae Iorga Street 1, 540088 Târgu Mureș, Romania  
2. Interdisciplinary Biomedical Research Center, George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș, Nicolae Iorga Street 1, 540088 Târgu Mureș, Romania

---

### Deadline for manuscript submissions

closed (31 October 2025)



## Journal of Manufacturing and Materials Processing

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 5.2



[mdpi.com/si/230540](https://mdpi.com/si/230540)

*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://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).