

## Special Issue

# Precision Manufacturing

### Message from the Guest Editors

Precision and ultra-precision parts are key elements in most industrially-manufactured mechanical engineering products, e.g., in automotive, power generation or optical industries. The manufacturing of these parts needs to comply with economical, ecological, and, in particular, high quality demands. The latter includes dimensional and shape accuracy, as well as surface topography and surface integrity with regard to the material to be processed. In this Special Issue of *JMMP*, current research findings are going to be reported, which focus on individual or subsequent manufacturing processes or steps throughout the manufacturing sequence. The range of considered processes covers cutting and abrasive rough and fine machining, as well as additive and hybrid (additive combined with subtractive) processes focusing on metals, as well as hard and brittle materials. Papers will be considered that show significant improvements with clear regard to quality aspects (precision, surface, surface integrity) achieved by the above mentioned processes and process combinations.

---

### Guest Editors

Prof. Dr. Carsten Heinzl

Leibniz-Institute for Materials Engineering and MAPEX Center for Materials and Processes, University of Bremen, Badgasteiner Str. 3, 28359 Bremen, Germany

Prof. Dr. René Mayer

Mechanical Engineering Department, Polytechnique Montréal, Station Downtown, P.O. Box 6079, Montréal, QC H3C 3A7, Canada

---

### Deadline for manuscript submissions

closed (30 March 2018)



## Journal of Manufacturing and Materials Processing

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 5.2



[mdpi.com/si/10493](https://mdpi.com/si/10493)

*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 16.2 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the first half of 2025).