



Advances in Machining of Difficult-to-Cut Materials

Guest Editors:

Dr. Alborz Shokrani

Department of Mechanical
Engineering, University of Bath,
Bath BA2 7AY, UK

Dr. François Ducobu

Machine Design and Production
Engineering Lab, Research
Institute for Science and Material
Engineering, University of Mons,
7000 Mons, Belgium

Deadline for manuscript
submissions:

31 May 2024

Message from the Guest Editors

In this *JMMP* Special Issue, we are inviting submissions on new investigations, findings and advances in the machining of difficult-to-cut materials such as nickel and titanium alloys, stainless steels, additively manufactured alloys, refractory metals, metal matrix and ceramic matrix composites, CFRP, etc. This includes but is not limited to:

- Fundamental understanding of material behaviour during cutting;
- New methods and technologies to improve machining performance;
- Hybrid and assisted machining processes;
- Cutting tools and cooling/lubrication technologies;
- Surface integrity analysis;
- Computational, analytical and data-driven modelling;
- Sustainable machining;
- Process monitoring and control.





Editor-in-Chief

Prof. Dr. Steven Y. Liang

George W. Woodruff School of
Mechanical Engineering, Georgia
Institute of Technology, Atlanta,
GA 30332-0405, USA

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*.

Author Benefits

Open Access: free for readers, with **article processing charges (APC)** paid by authors or their institutions.

High Visibility: indexed within **Scopus**, **ESCI (Web of Science)**, **Inspec**, **CAPlus / SciFinder**, and **other databases**.

Journal Rank: CiteScore - Q1 (*Mechanical Engineering*)

Contact Us

*Journal of Manufacturing and
Materials Processing* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/jmmp
jmmp@mdpi.com
[X@JMMP_MDPI](https://twitter.com/JMMP_MDPI)