

Special Issue

Advanced and Sustainable Machining

Message from the Guest Editors

In this Special Issue of *JMMP*, we are looking for recent research focusing on sustainable machining processes, technologies and machine tools. The contributions should also address innovative concepts and models for holistic sustainability assessment based on existing standards such as life cycle assessment. Papers will be taken into account showing significant improvement compared to the state of the art regarding sustainability assessment, process stability, cooling strategies and media, material and tool aspects as well as data acquisition and digital twin approaches with respect to social, ecological and economical aspects of machining processes.

- sustainability assessment of machining processes based on established standards
- innovative processes and technologies and sustainability aspects of machine tools
- process monitoring and data acquisition for sustainable manufacturing
- digital twin and applications for sustainability improvement

Guest Editors

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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

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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).