

Special Issue

Innovative Approaches in Metal Forming and Joining Technologies

Message from the Guest Editor

This Special Issue aims to showcase cutting-edge research on metal forming and joining processes, addressing key challenges such as material formability and joinability, process efficiency, defect mitigation, and performance optimization. We welcome original contributions on experimental and numerical advancements, novel forming and joining techniques, hybrid processes, and the integration of digital and AI-driven approaches. By bringing together insights from academia and industry, this Special Issue seeks to advance our understanding and the application of next-generation manufacturing technologies. We encourage the submission of innovative approaches in the following research areas:

- Material characterization;
- Metal forming;
- Joining;
- Hybrid joining;
- Joint analysis and performance evaluation;
- Process optimization;
- Tool design;
- Artificial intelligence for forming and joining;
- Sustainability and recyclability in forming and joining.

Guest Editor

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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 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).