

## Special Issue

# Advances in Material Forming: 2nd Edition

### Message from the Guest Editor

For this Special Issue, we invite researchers to submit their new and precious work related to the use of novelty in manufacturing processes, uncovering the mechanics, and carrying out computational analyses, process development and characterization of the processing materials used within the formation of metals and materials. The work should include theoretical, numerical or experimental approaches, to provide solutions to the challenges outlined above. We encourage you to submit work related to the following research areas:

- Defects in high-strength material forming;
- Limits in material forming;
- Multiscale forming/simulations;
- Rolling and preforming processes;
- Sheet metal forming and challenges;
- Tube forming;
- Bulk metal forming, including forging, wire drawing, and extrusion;
- Novel processes including hybrid forming processes;
- Non-traditional approaches such as die-less, electric-assisted, high-speed forming, and additive manufacturing;
- Warm and hot forming;
- Dynamic testing and crash analysis;
- Process monitoring, optimization, and control;
- Data-driven forming 4.0.

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### Guest Editor

Prof. Dr. Chetan P. Nikhare

Advanced Manufacturing and Innovation Center, Mechanical Engineering Department, The Pennsylvania State University, Erie, PA 16510, USA

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### Deadline for manuscript submissions

closed (31 March 2026)



## Journal of Manufacturing and Materials Processing

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an Open Access Journal  
by MDPI

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Impact Factor 3.3  
CiteScore 5.2



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*Journal of Manufacturing and  
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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[jmmp@mdpi.com](mailto:jmmp@mdpi.com)

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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*.

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### Editor-in-Chief

Prof. Dr. Steven Y. Liang  
George W. Woodruff School of Mechanical Engineering, Georgia  
Institute of Technology, Atlanta, GA 30332-0405, USA

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#### 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).