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Journal of Manufacturing and Materials Processing

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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

Aims

Journal of Manufacturing and Materials Processing aims to publish state of the art knowledge in the fields of processes, equipment, systems, and materials in relation to materials processing and manufacturing. It offers an online platform facilitating effective exchange of innovative scientific and engineering ideas and the dissemination of recent, original, and significant research and developmental findings.

The definition of materials processing refers to the procedure that transforms material characteristics and properties, while manufacturing is defined to be the operation that creates the final shape, form, finish, utilities, functionalities, and performance of parts and components. Novel materials processing methodologies, manufacturing schemes, advanced equipment and tooling design, as well as the thermal, mechanical and chemical behaviors that the material exhibits during, and resulting from, manufacturing processes are the major dedication of the journal.

Scope

The scope of the journal covers, but is not limited to, the following areas:

- Mechanics analysis and predictive modeling of engineering materials involved in the material heating, solidification, deformation, addition, removal, accretion, and other operations in the manufacturing of parts and components
- Establishment of advanced and innovative methodologies for manufacturing operations, including mechanical, thermal, optical, chemical, electrical or other processes
- Research findings on materials processing to transform material properties and characteristics for subsequent manufacturing steps to be performed
- Design of equipment or the development of tooling for materials processing and manufacturing
- Assessment and control of process quality, efficiency, and competitiveness
- Capability enhancement of materials processing and manufacturing through control, measurement, monitoring, and automation

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