Special Issue

Advances in Additive Manufacturing of Metal Alloys: Microstructure, Mechanical Behavior, and Surface Performance

Message from the Guest Editor

Additive manufacturing (AM) of metal alloys has emerged as a transformative approach to materials processing, enabling the design and fabrication of complex geometries with tailored properties. This special issue aims to highlight recent advances in metal AM, with particular emphasis on the relationships between processing parameters, microstructural evolution, mechanical performance, and surface-related properties such as wear and corrosion resistance. This special issue seeks to gather high-quality evidence to support the optimisation of manufacturing and post-processing strategies, with the goal of enhancing the reliability and functional performance of metal parts produced by AM. Ultimately, the initiative aims to advance AM technologies to meet the demands of increasingly challenging service environments. We look forward to receiving your contributions.

Guest Editor

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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

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