

Special Issue

Advances in Metal Additive Manufacturing: Processes, Materials, and Applications

Message from the Guest Editor

Metal additive manufacturing (AM) has rapidly evolved from a prototyping tool into a transformative manufacturing technology that enables complex geometries, tailored microstructures, and unprecedented design freedom. Continued advances in process physics, materials development, in situ monitoring, and data-driven modeling are accelerating the adoption of metal AM in safety-critical and large-scale industrial applications. We are pleased to invite you to contribute to a Special Issue of the *Journal of Manufacturing and Materials Processing* entitled “**Advances in Metal Additive Manufacturing: Processes, Materials, and Applications.**” This Special Issue aims to provide a timely platform for sharing cutting-edge research that advances both the fundamental understanding and practical implementation of metal additive manufacturing technologies. Topics of interest include, but are not limited to, metal AM processes, process–structure–property relationships, novel alloy design, defect formation and mitigation, multi-physics modeling, in situ sensing and control, artificial intelligence and machine learning, post-processing strategies, and emerging applications.

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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