

## Special Issue

# Advanced Design and Materials for Additive Manufacturing

### Message from the Guest Editors

Additive manufacturing (AM) has emerged as a transformative fabrication technology, enabling the production of complex geometries, functionally graded structures and multi-material components with unprecedented design freedom. However, the intricate thermal-mechanical interactions, anisotropy and process-induced defects inherent to AM continue to pose challenges for achieving reliable, high-performance components. This Special Issue aims to gather cutting-edge research on advanced design, material innovation and multiscale modeling for additive manufacturing, fostering a unified framework for high-performance, lightweight and application-driven AM materials and structures. The guest editors warmly welcome submissions of original research articles and reviews that contribute to advancing design and material innovations of additive manufacturing.

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### Guest Editors

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### Deadline for manuscript submissions

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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*.

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### Editor-in-Chief

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