

Special Issue

Advances in 3D Printing Technologies: Materials, Processes, and Applications

Message from the Guest Editors

For this Special Issue, we welcome submissions showcasing novel materials, process innovations, and real-world applications. Contributions should include experimental, computational, or theoretical approaches to enhance the understanding and implementation of 3D printing, with a focus on integrating IoT and AI to further advance the field. We encourage you to submit your work in the following research areas: -

Development of advanced materials for 3D printing; - Hybrid and non-traditional printing techniques; - IoT-enabled monitoring and control in 3D printing; - Precision, scalability, and optimization in additive manufacturing; - Sustainable materials and processes; - Applications in healthcare, aerospace, and automotive industries; - Characterization and modeling of printed materials; - Multi-material and multi-scale printing; - Quality assurance and defect analysis; - Process monitoring, data-driven methods, and Industry 4.0 integration.

Guest Editors

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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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