# Special Issue

# Additive Manufacturing: Technological Advancements, Processes, Materials, and Applications

### Message from the Guest Editor

Additive manufacturing (AM) is becoming increasingly capable of redefining the manufacturing landscape. The existing ecosystem for AM has greatly advanced in the areas of design digitization, deposition methods, printer capabilities, component geometry re-imagination, and post-processing methods. We welcome you to submit papers to this Special Issue of "Additive Manufacturing: Technological advancements, processes, materials, and applications" in the following general research areas of additive manufacturing: innovative design and fabrication of 3D printing machines, development of new materials for 3D printing; manufacturing technologies in 3D printing; pre- and post-processing technologies and approaches; use of 3D printing in food, chemical, aeronautical, and healthcare industries, among others; simulation in AM; use of artificial intelligence (AI) in the additive manufacturing and developing of new 3D printing materials; the emergence of new technologies that enable the use of silicone as a 3D printing material; current challenges in additive manufacturing; and any other interesting research topics regarding 3D printing (additive manufacturing).

### Guest Editor

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### Deadline for manuscript submissions

closed (30 June 2023)

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# About the Journal

## Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

## Editors-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

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