Special Issue

The Study of Processing Technologies in Additive Manufacturing

Message from the Guest Editors

This Special Issue (SI) aims to advance the understanding and optimization of additive manufacturing (AM) processes. This SI invites contributions that explore the development of new materials and the enhancement of existing ones to improve mechanical properties, durability, and versatility. Research should focus on refining process parameters, such as temperature, speed, and layer thickness, to enhance quality and efficiency. Submissions that discuss innovations in software, artificial intelligence (AI), and machine learning (ML) tools are encouraged, as these technologies are crucial for predicting, controlling, and optimizing AM outcomes. Authors are also invited to explore the integration of AM with traditional manufacturing techniques to advance hybrid manufacturing capabilities. Studies addressing the environmental impacts and sustainability of AM, with an emphasis on reducing waste and energy consumption, are of particular interest. Contributions should aim to provide tailored solutions and expand the application of AM technologies across industries, such as aerospace, biomedical, and automotive industries.

Guest Editors

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Deadline for manuscript submissions

closed (20 March 2025)

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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