

Special Issue

Advances in Additive Manufacturing: Materials, Design and Applications towards Sustainability

Message from the Guest Editor

Recent advances in additive manufacturing (AM), in essence, have taken the field of advanced manufacturing by storm. The cheap and easy availability, as well as maturity, of related technologies has enabled additive manufacturing to be a viable solution for end-use parts and tooling across a range of sectors, from aerospace to health and from metalworking to construction. This has become possible because of the advantages provided by additive manufacturing, such as enhanced product performance, design freedom, waste reduction, near net shape manufacturing, etc. As much as AM is being favored over conventional manufacturing, there are many questions that remain unanswered, especially from the point of view of suitability and sustainability. Through this Special Issue, we will strive to see how additive manufacturing experts are striving to mitigate these challenges and thus making contributions towards making the process more sustainable and far-reaching in terms of three aspects, i.e., materials, design, and applications. This SI is focused on breakthroughs, procedures and practices, and advances in the general area of additive manufacturing.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 8.9



mdpi.com/si/139310

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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