

Special Issue

Advancing Sustainable Additive Manufacturing: Innovations in Technology and Environmental Impact Metrics

Message from the Guest Editors

The integration of advanced technologies with sustainable practices is becoming increasingly critical in modern manufacturing, particularly in the context of additive manufacturing (AM).

Some of the key issues currently being explored in the field include the following:

- Development and optimization of AM processes;
- Sustainability metrics and Life Cycle Assessment (LCA) of AM;
- Environmental impact of AM materials, including metals, polymers, composites, and ceramics;
- Energy efficiency and resource use in AM;
- Post-Processing and recycling of AM resources.

This Special Issue aims to bring together the latest research on these emerging topics in sustainable additive manufacturing. By exploring either technological innovation and the development of environmental impact metrics, we aim to provide a comprehensive overview of the current state of the art in this field, highlighting the key challenges and opportunities for advancing AM toward a more sustainable future.

Guest Editors

Dr. Ersilia Cozzolino
Prof. Dr. Mosè Gallo
Dr. Iacopo Bianchi

Deadline for manuscript submissions

31 December 2026



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/266023

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon
School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)