

Special Issue

Digital Production and Sustainable Smart Manufacturing

Message from the Guest Editors

The rapid intelligent development of the manufacturing industry has ushered in a transformation centered on sustainability. The Industrial Internet of Things (IIoT), digital twin (DT), big data and other new-generation information technologies are opening up new possibilities for cleaner production and low-carbon manufacturing. How to use the aforementioned intelligent technologies to achieve self-perception, self-analysis, self-decision-making, and self-execution throughout the manufacturing process is an important issue that urgently needs to be addressed in the current field of sustainable manufacturing. IIoT-based real-time perception of the manufacturing process, big data-driven manufacturing system operation analysis and intelligent decision-making, DT-enabled visual monitoring and dynamic optimization of manufacturing processes, interpretability of AI models in sustainable smart manufacturing systems, and knowledge-driven sustainable manufacturing process planning, etc., are all key components of the process of building a sustainable intelligent manufacturing system.

Guest Editors

Prof. Dr. Yu Guo

The College of Mechanical and Electrical Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing 210001, China

Dr. Shaohua Huang

The College of Mechanical and Electrical Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing 210001, China

Deadline for manuscript submissions

closed (15 November 2024)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/178907

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)