Data-Driven Intelligent Manufacturing for Circular Economy and Sustainability

Guest Editors:

Dr. Miying Yang
Group of Sustainability, School of Management, Cranfield University, Cranfield MK43 0AL, UK

Prof. Dr. Steve Evans
Centre for Industrial Sustainability, Institute for Manufacturing, University of Cambridge, Cambridge CB3 0FS, UK

Prof. Dr. Saeema Ahmed-Kristensen
Initiative for Digital Economy INDEX, Business School, University of Exeter, Exeter EX4 4PU, UK

Deadline for manuscript submissions:
closed (30 December 2022)

Message from the Guest Editors

In the current Industry 4.0 era, many firms have been exploring the adoption of the emerging digital technologies for sustainable intelligent manufacturing, e.g., Internet of Things (IoT), digital twin, artificial intelligence (AI), big data analytics, 3D printing, robotics, virtual reality, and cloud computing. The IoT has been extensively applied in factories and supply chains to monitor the production process and track and trace the logistics and warehouse operations. Big data analytics are used to analyse the large volume of data generated from IoT devices and other sources. AI is used to provide predictive and preventive functions of data analysis through learning algorithms.

This Special Issue calls for academic papers on data-driven intelligent manufacturing for circular economy and sustainability from both technical aspects that show the potential of digital technologies to deliver better sustainability performance, as well as management aspects that relate to why and how these technologies could be implemented effectively.

Special Issue

Editor-in-Chief

Prof. Dr. Marc A. Rosen
Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

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. *Sustainability* publishes original research articles, review 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.

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, AGRIS, RePEc, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (*Geography, Planning and Development*)

Contact Us