

Special Issue

Data-Driven Intelligent Manufacturing for Circular Economy and Sustainability

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.

Guest Editors

Dr. Miying Yang

Prof. Dr. Steve Evans

Prof. Dr. Saeema Ahmed-Kristensen

Deadline for manuscript submissions

closed (30 December 2022)



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

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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. *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.

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

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