



Data-Driven Intelligent Manufacturing for Circular Economy and Sustainability

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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.





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