

Special Issue

Sustainable Manufacturing and Supply Chain in the Context of Industry 4.0: Challenges and Opportunities

Message from the Guest Editors

The hyper-connectivity of future industrial devices has led to the development of the so-called Industry 4.0 paradigm. Among the main pillars of this paradigm, sustainability is meant to lower the impact of industry on its surrounding environment and enhance the working conditions. With the advances in the industrial internet of things, edge and fog computing, the growing amount of data extracted from the shop floor motivates the research for new information, control, and communication technologies such as digital twin, big data analysis, cloud services, and artificial intelligence, applied for agility, reality awareness, optimization, and a shift from diagnosis to prognosis in controlling the consumption and cost of energy in manufacturing. The perimeter of the sustainability pillar encompasses both the intra-workshop activities and the extra-workshop activities, typically the associated supply chain. This Special Issue will emphasize the impact of the development of innovative Industry 4.0-oriented paradigms...

Guest Editors

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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.

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