



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

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### Message from the Guest Editors

Dear Colleagues,

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...

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## Message from the Editor-in-Chief

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