



Digital Technologies Enabling Sustainability in Manufacturing and Supply Chain

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Message from the Guest Editor

Dear Colleagues,

Developing sustainable supply chains represents one of today's main global challenges. The increasing pressure on companies to meet environmental and social targets while ensuring a financial sustainability of the business, represents a complex decision-making problem.

Moreover, the recent shortage of items at the retailer stores or components in the manufacturing automotive sector during the COVID-19 pandemic, has revealed the fragility of supply chains and a need of re-thinking how products and services are provided to the customers throughout their entire life cycle.

On the other hand, the Fourth Industrial Revolution, known as Industry 4.0, is pushing companies to digitalise their processes throughout the entire supply chain for improving data exchange, visibility of the information, cyber-security and overall performance. The development of technologies such as blockchains, cloud computing, virtual reality and advanced robotics *inter alia*, are accelerating the transformation of the entire supply chain sourcing, manufacturing and logistics operations.





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