



Design and Optimisation of Supply Chain Networks

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Message from the Guest Editors

Supply chain network design (SCND) involves strategic decisions, such as determining the number, location and capacity of facilities. These decisions play an important role in supply chain management since any changes in them have a significant impact on the network configuration and material flow between facilities. Therefore, there are adequate reasons to consider the triple bottom line—economic, environmental and social pillars—in SCND simultaneously.

Most existing studies have focused on economic and environmental objectives. However, social objectives have not been investigated adequately in SCND, since the mathematical modelling of such objective functions is challenging.

Additionally, analysis of the fourth industrial revolution's impacts on SCND for sustainability has received little attention. Industry 4.0 technologies, such as IoT, big data, and cloud computing, can enable the creation of digital ecosystems that set the tone for the foreseeable sustainable supply chain practices.

This Special Issue seeks to collate recent original research and literature review papers dealing with the design and optimization of sustainable supply chain networks.





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Message from the Editor-in-Chief

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