



Industry 4.0 Implementation in Food Supply Chains for Improving Sustainability

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Message from the Guest Editors

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This research topic addresses how food supply chain (FSC) actors, i.e., entities within the farm to fork process, will embrace Industry 4.0 (I4.0)-related technologies to reduce food waste and improve sustainability to feed the increasing population, which is estimated to reach 9.2 billion by 2050. Several industries have implemented fourth industrial revolution technologies to enhance their performance and efficiency. Industries are attempting to undergo a digital transformation by adopting I4.0 technologies such as Internet of Things (IoT), big data, augmented reality, 3D printing, cloud analytics, blockchain, robotics, automation, etc., to meet the UN sustainable development goals.

Similarly, FSC actors are experiencing tremendous pressure from consumers to be more transparent with all the activities that affect them. Likewise, FSC actors are also utilising I4.0 technologies to add value to their existing systems, products, and services and comply with the environmental, social, and economic aspects of sustainability. In this context, this Special Issue will focus on research related to implementing and adopting I4.0 technologies in FSC.





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