



Industry 4.0 Implementation in Food Supply Chains for Improving Sustainability

Guest Editors:

Message from the Guest Editors

Dr. Sandeep Jagtap

Dr. Wayne Martindale

Prof. Dr. Martin Howarth

**Prof. Dr. Konstantinos
Salonitis**

Deadline for manuscript
submissions:

closed (9 June 2022)

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE](#) and [SSCI \(Web of Science\)](#), [GEOBASE](#), [GeoRef](#), [Inspec](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (*Geography, Planning and Development*)

Contact Us

Sustainability Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)