



International Journal of Logistics Research and Applications **Call for Papers**

Green and Sustainable Supply Chain Management in the Platform Economy

Deadline: December 31, 2020

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Overview of Special Issue:

With the rapid economic development, the purchasing power and consumption power of residents have significantly increased (Song et al., 2020). The substantial global consumption growth leads to a massive demand on global resources (e.g., materials and energy) and induces plenty of pollutants, which poses great challenges to the global sustainable development (Song et al., 2019a). Currently, green and sustainable supply chain management has aroused the concerns of scholars and companies and it has been considered to play an important role in contributing solutions to solve the global sustainability challenges (Mariadoss et al., 2016).

The definition of green and sustainable supply chain management is “integrating environmental thinking into supply-chain management, including product design, material sourcing and selection, manufacturing processes, delivery of the final product to the consumers as well as end-of-life management of the product after its useful life” (Paulraj et al., 2017). Considering the importance of green and sustainable supply chain management in driving a low-carbon economic transition and building a sustainable society (Song et al., 2019b), governments also conduct several effective policies to promote the green and sustainable supply chain management, such as low-carbon subsidies polices, cap-and-trade regulation and carbon tax regulation (Yu and Cao, 2019).

Recently, with the application of new technologies such as big data, cloud computing, the Internet of Things, and blockchain technology in supply chain management, supply chain management innovation has also been mentioned to unprecedented heights (Barbosa et al., 2018; Saberi et al., 2019). However, it is worth noting that the platform is an important carrier of supply chain management innovation (Hahn, 2019). In the area of supply chain management, greening the whole supply chain and promoting the development of platform is equally important (Ciulli et al., 2019). In fact, platform economy is widely used in reality, and more and more firms join the platform to obtain more profits. The typical platforms contain Tmall.com, JD.com and they have different operational modes. Tmall.com takes a commission rate for each revenue, and JD.com

purchases the products from the firms and further sells them to consumers. Also, Tmall.com and JD.com are exploring omni-channel. Moreover, different platforms exist competition. And, the firms face more demand disruptions when join the platforms. When the firm joins a third-party platform, though may face the demand uncertainty and platform competition, but can attach more consumers.

Due to the popularity of green and sustainable supply chain management and to access more resources and attract more customers, platforms have also taken into account the sustainability issues. However, it is known that when a platform considers sustainability issues and promote green supply chain management, it may be costly, which would affect its short term competition and its platform firms' decisions on production, supply chain, logistics, product development, and distribution technologies that determine the efficiency of resources consumption and the types and intensity of pollutants. Hence, how to balance these factors and make reasonable decisions is necessary for the platform and its members.

The main objectives of this special issue is to explore green and sustainable supply chain management issues in the context of platform economy and invite academics and practitioners to analyze how to implement green and sustainable supply chain management in the platform economy. We welcome analytical, quantitative empirical, and multi-methodological original research addressing platform based green and sustainable supply chain management. Meanwhile, as environmental problems become more serious, people have placed greater emphasis on their health. The medical supply chain, an emerging branch of many supply chains, has attracted widespread attention.

The effective operation of the medical supply chain can not only provide patients with good medical services, but also ensure the effective use of resources and reduce the negative impact on the environment. How to ensure the effective operation of the medical supply chain seems rather important. Fortunately, big data technology and the platform have emerged (Raman et al., 2018). Data-driven management and platform management provide guarantee for the effective operation of the medical supply chain. Hence, this special issue considers the medical supply chain management separately while considering the general green supply chain management in the platform economy.

Subjects covered:

- Platform based green and sustainable supply chain management
- Platform based operational innovation in supply chains
- Technological innovations for green and sustainable supply chain management in the platform economy
- Green supply chain management with demand disruptions in a platform
- Resource management in a green supply chain management platform
- Data-driven resource allocation in supply chain especially medical supply chain
- Data-driven optimal pricing and quality decisions in supply chain especially medical supply chain

- Data-driven management and platform management of medical supply chain.
- Data-driven sustainable development of medical supply chain
- Other platforms based operational management of green supply chain

Important dates

Contributors with proposals for papers are encouraged to communicate with the editors by e-mail. Papers that are currently under preparation are welcome, but we also expect papers to be written as a result of this call.

Early submission is strongly recommended. The refereeing process starts once the paper is received. Accepted papers will be published online individually. The following important dates will guide the development of this SI:

- Submission starts from: March 1, 2020
- Submission deadline: December 31, 2020
- Fully reviewed manuscript ready for production: May 2021
- Target Publication Date: June 2021

Important details:

- Peer review of manuscripts submitted to the special issue is conducted according to agreed and ethical peer review standards (<http://journalauthors.tandf.co.uk/preparation/ethics.asp>) for the publication of articles, so as to ensure the integrity of peer review and assure the quality of published articles.
- All authors, peer reviewers, and referees comply with the Publisher's guidelines on the ethics of journal publishing (<http://journalauthors.tandf.co.uk/preparation/ethics.asp>) and respect the confidentiality of the review process, and that material under review shall be held to be the contributing author's intellectual property unless and until otherwise assigned.
- Please indicate that your article is for a special issue during the submission process; both in your cover letter and also when asked by the ScholarOne system. You should be able to select the special issue title from a drop-down menu, which will help the Editors to correctly allocate your paper for peer review.

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