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Analysing Company's Performance by Using Sustainable Supply Chain Management (SSCM)

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Abstract. Due to consider the consumer needs, there is a significant amount of researches about SSCM. The integration of sustainability and SCM is very important to be studied deeply. This paper contains results of analysing content about assessing all journal studies systematically in SSCM literatures which published from 2018 to 2019. Performance of company in economic, environmental and social scope could be analysed by using Sustainable Supply Chain Management. Researches that have done also investigating factors that support SSCM practice. The researchers are positioned to speak to the issue that unexplored to the field of SCM such as policy implications of existing work.

Keywords: Sustainable Supply Chain Management, SSCM, social performance.

1. Introduction

Management about Supply Chain that related with sustainability has appeared from the acknowledgment of the strategic importance of buying and supply activities both in achieving company's long term performance, and in having sustainability matters in business things. Sustainable supply chain sees the most about the management of material, information and capital stream [1], [2], [3], [4] .

Some literatures have increased the sustainable practices and applied for development nations on the economic, social and environmental improvement study. In this paper, making a broad literature analysis and recognize kind of SSCM applications and know both the relationship in SSCM practically and theoretically. The whole part of this work is arranged as systematic literature review. This paper also contains about the research theoretical framework and research methodology.

The goal of this paper is to show a systematic review of the newest research in Management about Supply Chain that related with sustainability (SSCM) field from year of 2018-2019.

2. Literature Review

SSCM is integration between Supply Chain Management and sustainability and that wants to give a composed integration of the economic, environmental and social aspects. Due to produce and distribute all of the material to customer, the company need a management that known as Supply Chain Management. SCM has become an important research lately. Supply chain design covered by the literature that based on economic considerations. The review of SSCM field is new but increasing [5], [6], [7], [8], [9] .

Table 1 is a review of previous literatures about issues related to SSCM from 2018-2019



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Table 1. Summary Of Some Papers Review On Sscm

Paper by	Contains	Factor	Place
Yun, Yalcin, Hales, & Kwon, 2019	<ul style="list-style-type: none"> Evaluating researches that evolved among the short-term and collaborations that investigate financial aspects. 	<ul style="list-style-type: none"> Performance in Economic, Environmental and Social scope 	USA
Xiao, Wilhelm, van der Vaart, & van Donk, 2019	<ul style="list-style-type: none"> Observing the sustainability management substitute response Analysing standards to make SSCM more capable for developing-arcade dealers. 	<ul style="list-style-type: none"> COSMOS's policy. Paradoxical tensions. 	Netherlands
(Seuring, Brix-Asala, & Khalid, 2019)	<ul style="list-style-type: none"> Research about applying a good framework from SSCM. 	<ul style="list-style-type: none"> Environmental risk management Improper pyramid approach 	Germany
Scavarda, Daú, Scavarda, & Korzenowski, 2019	<ul style="list-style-type: none"> Establishing the TBL in SSCM 	<ul style="list-style-type: none"> Social, Environmental and Economic Educational program Corporate Social Responsibility 	Brazil
Saberi, Kouhizadeh, Sarkis, & Shen, 2019	<ul style="list-style-type: none"> Examining the block chain technology and smart contract. 	<ul style="list-style-type: none"> Block chain technology Autonomous digital contracts Secure networks 	USA
Patel & Desai, 2019	<ul style="list-style-type: none"> Explore the collaboration of aspects and now trends. Differences between some industry sectors in SSCM scope 	<ul style="list-style-type: none"> Drivers of SSCM Barriers to SSCM 	India
Papetti, Marconi, Rossi, & Germani, 2019	<ul style="list-style-type: none"> Track the supplier and producer by using Web-based boards 	<ul style="list-style-type: none"> Environmental sustainability Trace SW module 	Italy
Khalid & Seuring, 2019	<ul style="list-style-type: none"> All part of business link are integrated in a pyramid system approach 	<ul style="list-style-type: none"> Improper pyramid approach Purveyor incorporation Sustainability 	Germany
Ghadimi, Wang, & Lim, 2019	<ul style="list-style-type: none"> Preservation and Recovering insight company system 	<ul style="list-style-type: none"> Resources 	Ireland
Gardas, Raut, & Narkhede, 2019	<ul style="list-style-type: none"> Analysing of influence determinants of SSCM. 	<ul style="list-style-type: none"> ISM and SEM methodology 	India
(Andalib Ardakani & Soltanmohammadi, 2019)	<ul style="list-style-type: none"> Investigating factors that support SSCM practice 	<ul style="list-style-type: none"> Environmental management system Social issue Development of product and supply chain management in Green context 	Iran

Table 1. Summary Of Some Papers Review On Sscm (Continued)

Paper by	Contains	Factor	Place
Tokar & Swink, 2019	<ul style="list-style-type: none"> • The researchers are positioned to speak to the issue that unexplored to the field of SCM. 	<ul style="list-style-type: none"> • Policy areas for focus • Policy implications of existing work • Designing new policy oriented research 	USA
Cole & Aitken, 2019	<ul style="list-style-type: none"> • Giving information about the merchant variety procedure 	<ul style="list-style-type: none"> • Purchasing related with Social responsibility • Supplier development • Supplier selection process 	UK
Gardas et al., 2019	<ul style="list-style-type: none"> • Identifying significant achievement aspects of elastic wrapping 	<ul style="list-style-type: none"> • ISM methodology • TISM approach 	India

3. Method

To have the existing scope and know the achievement for next scope of study on SSCM, some literatures were reviewed. Some action such as recognizing, appraising, and construing are arranged with a methodical tactic of the selected papers [10], [11], [12], [13], [14]. As shown in Fig. 1, the step of the review are briefly drawn.

Step 1 – choosing period of paper publication

Several studies in the Period between 2018 and 2019 have been chosen as the main references. The selection of this period of time is considered to have sufficiently represented thinking that is a developing science.

Step 2 – choosing journal

Due to the topic and research area, some journals were choosen. Journal of Cleaner Production, Annuals of Operations Research, Production Planning & Control, Journal of Environmental Management, Sustainable Production and Consumption, Resources, Conservation & Recycling, The International Journal of Logistics Management, International Journal of Logistics Research and Applications, International Journal of Production Research, etc. These journals contain disciplines about Sustainable Supply Chain Management.

Step 3 – choosing article

The main criterion for selecting articles to be included in the analysis is the clear relationship of the content of the article to the framework of the previously defined text.

Step 4 – analysis

The next step is to study and examine selected articles to find out how research has developed over time. This analysis also provides the capability to analyze the research chances in present literatures. From this steps, could be predicted the new issues for the SSCM research area.

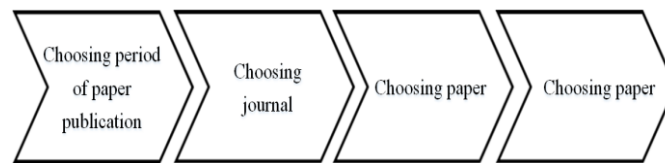


Figure 1. Methodology of Research

4. Research Direction

The results made considerate aspects of the sustainability element; the point solicitation of environmental standards is more significant than social ones[15], [16], [17], [18]. There are many standards in environmental criteria that must be covered according to the management in ecological risk. Some companies support their suppliers in this area, for example, suppliers' adaptation with these standards is often checked and observed by the local companies. The theory shows data related to the waste removal, the unhealthy condition, and the encouragement for the accurate unbearable. A good implementation recommends the reusing activity persistence. The system aims at enlarging the responsibility of company about social aspects in the institution of healthcare and philosophy.

The future research directions at SSCM from this article shows the interrelated economic traits, dimensions of environmental sustainability, and social, specifically related to measuring supplier performance on sustainability initiatives. Sustainable supply chain issues and find out the factors that influence sustainable supply chains and how sustainable supply chain performance can change the future. The resolution is rapidly responding to modification in the scope and the requirement of the finished goods on suggestion, the flow of information is alike indispensable for occupational and contains evidence about matters of the instruction and the status of delivering product. [19], [20], [21], [22], [23], [24], [25].

5. Conclusion

Performance of company in economic, environmental and social scope could be analysed by using Sustainable Supply Chain Management. Researches that has done also investigating factors that support SSCM practice. The researchers are positioned to speak to the issue that unexplored to the field of SCM such as policy implications of existing work.

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