

Sustainable Supply chain Systems of Food and Beverages SMEs in developing countries: Theoretical perspective

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Received: 10 February 2022

Accepted for publication: 6 June 2022

Published: 11 June 2022

Abstract:

Considering the growing consumption patterns of food and beverages across the developing countries, the role of sustainable supply chain systems and their management becomes important. The paper deals in evaluating the development of the subject from the viewpoint of underpinning theories. The research also provides useful insights into the fields that have been explored by existing literature.

Keywords: SMEs, Food and Beverages; SMEs; Developing Countries.

1. Introduction

In developing countries with ever-increasing concerns about environmental stability, the problems facing F&B category SMEs in the production zone are increasing (Yacob et al., 2018). Artin (2022) stated environmental awareness continues to affect business strategies in the 21st century. The lack of organizational skills in SME firm appears to be part of the GSCM framework. The research also includes the most significant elements for the basic sustainable areas of supply chain management and SMEs during the uncertainty. (Joshi and Sharma, 2022). In India, businesses are under immense pressure to integrate Sustainable Supply Chain Practices (SSCPs) in the traditional Supply Chains. The study aims to examine the challenges to the adoption of Sustainable Supply Chain Practices (SSCPs) in SMEs in India. Within the context of SMEs, the idea of sustainability in decision-making strategies has become increasingly relevant. The competitiveness and volatility of the environment often has critical role in identifying best practices to attain sustainability while integrating economic, environmental and social priorities in the Supply Chain process Yahia Marzouk, and Jin (2022). With rising regulatory and market pressure to adopt green practices, small and medium-sized companies face immense challenges in order to both boost their supply chains' organizational and green efficiency. The results of this study show that while several Small and Medium-sized establishments recognize the value of green practices, they have incomplete data to implement these practices in order to enhance their operational efficiency. Incorporation and configuration of

green operations with initiatives for organizational improvement are defined as serious issues for establishing a successful green supply chain (Kashyap, and Shukla, 2022). Majority of SMEs are privately held businesses and seldom actively seek study and publishing of effective practices, it is not easy to find success stories in the implementation of sustainability.

1.1 Sustainability research in SME domain

Most academic research work in context to sustainable practices and performances is more focused on larger firms while small and medium firm got relatively little attentions (Das et al., 2020; Joshi, 2018). Due to variation in scale and scope of operations, assessment of sustainable practices and its performance, need to be examined separately in the case of SMEs vis-à-vis larger firms (Joshi and Joshi, 2016). Several researchers have attempted to explain crucial success measures in controlling the supply chain for sustainability, but they do not take all aspects into account. Research on Sustainability in SMEs Supply Chain Management is still at an initial level and substantial research work has not been accompanied by statistical data. All aspects of experience in the field are not taken into consideration by the ideas that are being used in SSCM. The success of the business is more related to financial and environmental approaches and there is a difference in the human and social dimensions of sustainability (Shanker et al., 2021; Sharma et al., 2022). Authors reveal in their study most of the research uses PLS to calculate sustainability in supply chain management, Future study can be done through different SEM tools (Luthra et al, 2022; Mardani et al., 2020). In the end we can highlights the following broad breaches in SSCM exercises at SMEs:

1. The study of Critical achievement issues in a context of particular region to attain sustainability in supply chain management of SMEs.
2. Impact of CSF or sustainable supply chain practices on all three domains: the economic, Environmental and social performance of SMEs.
3. Development of model focused on supplier management practices and operational management practices and their performance outcomes at SMEs in all three areas economic, social and environmental.

To check the operational feasibility of sustainable supply chain model developed.

2. Literature review

2.1 Theoretical framework

In response to the aforementioned questions, authors applied theories of the supply chain (Table 1): institutional theory, a resource-based perspective (RBV). Environmentally friendly SCM literature has more widely utilized these ideas (Hafeez, & Andersen, 2014; ; Kazlauskaitė et al., 2015; ; Karim et al., 2022; Kamble et al.,2019).

Table 1. Key Theories in Supply Chain Management

Theory	Description	Reference
RBV (Resource based View Theory)	“The Sustainable value proposition of an organisation originates from its important, unusual, inimitable, non-substitute resources and the specific way in which core capabilities are used”	(Hafeez, & Andersen, 2014; Kazlauskaitė et al., 2015; Karim et al., 2022; Kamble et al.,2019).

Theory	Description	Reference
Natural Resource Base View	“A main competitive advantage is to tackle the social and environmental problem within company capabilities. Sustainable development imperatives build possibilities for distinction and enhanced market strength”	Makhloufi et al., 2022; Fraj et al., 2013; Gupta et al., 2020
Stakeholder Theory	“Companies' operations influence both internal and external participants. It is possible to consider as social responsibility to fulfil the aspirations of its different stakeholders. By considering the large network of players in their strategy, companies may secure survivality and maintain their licence to operate”	Gupta, H. & Nanda, T. (2015; Joshi and Joshi, 2020).
Institutional Theory	“Organizations are affected by external social forces (coercive, mimetic and normative) to implement social and environmental responsibility and alter their activities to achieve credibility. Companies maintain the consistency of their business activities with the aspirations of society by adapting to legislation and imitating their rivals”	(Joshi et al., 2020; Khoja et al., 2022; Klewitz et al., 2014; Sharma et al., 2019; Shibin et al., 2020)
Transaction Cost Theory	Costs and efforts are shared by two entities participating in an interaction or operation. Reasonable modes of governance and protections (i.e. in contractual arrangements) must be established for the maintenance of the exchange entities.	Brouthers, and Nakos, 2004; Kalinic and Brouthers, 2022; Chou et al., 2014; Das et al., 2020

Figure 1 presents the research framework.

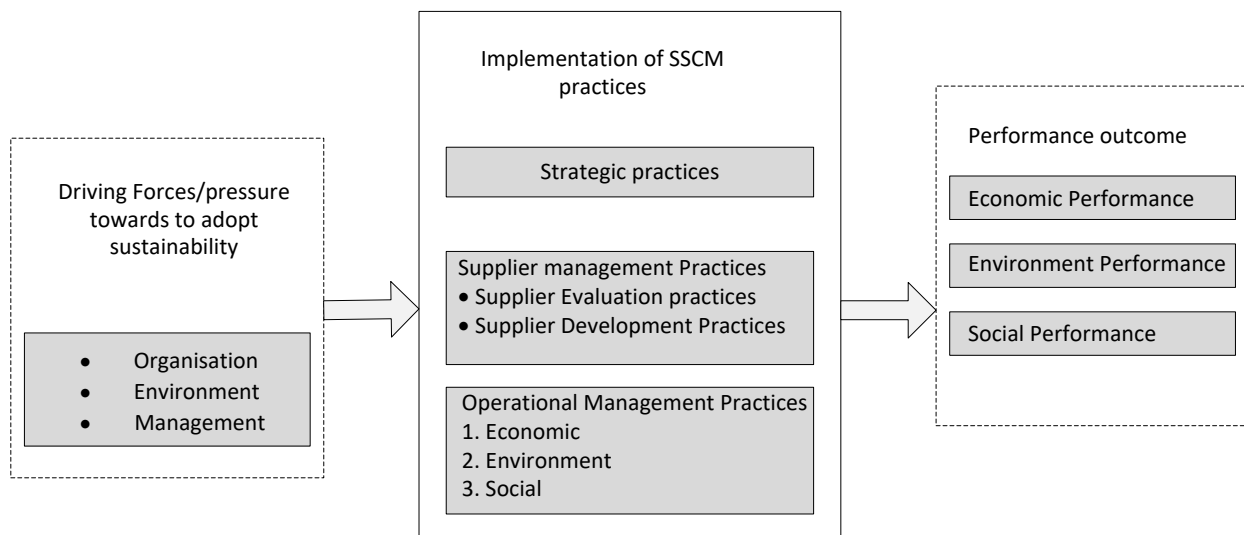


Figure 1: Research framework

2.2 Research Method and Design

Research is a value-oriented approach that includes collecting, recording, summarizing, classifying and evaluating, along with clear logics and reasons, relevant facts about any problem. Research is scientific and systematic search to solve the research problem for relevant knowledge on a specified subject. It is an approach to developing new ideas and values within a structured body of knowledge and exploration. There are two qualitative and quantitative methodologies for the study of scientific research. Figure 1 depicts the research framework used for the paper. As per Read (1984), the analysis method's preference relies upon the goals of the research and the application of the results. Alongside this methodology, a systematic review of current literature on the phenomenon of research, working from the general to the specific, conceived the relationship's causal model. The analysis model was then validated empirically using the multivariate technique subset Structural Equation Modeling (Hair et al., 2010).

2.3 Research Strategy

The research aims to evaluate the sustainable administration practices of the supply chain and its success among SMEs. In this research, factor analysis was used to investigate the stated goals. Figure 2 provides a detailed overview of the steps involved in this analytical method. The empirical strategy involves the survey, the creation of the questionnaire and the collection of data, and the breakdown of data obtained using expressive measurements and dynamic study.

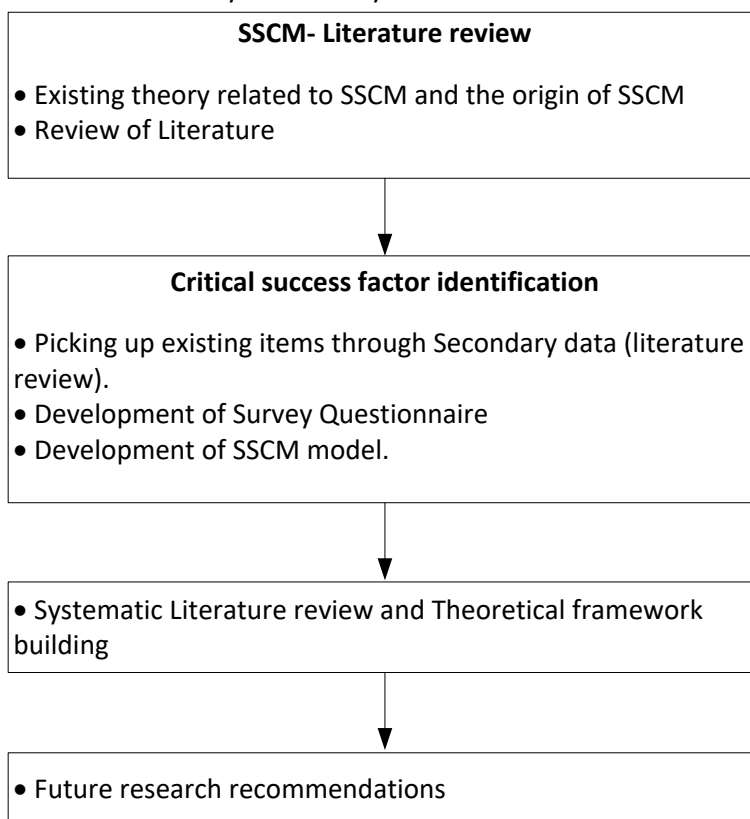


Figure 2. Research methodology overview

3. Materials and methods

3.1 Data Collection

From secondary database, scopus has been used for identifying the critical factors for sustainable supply chains in SMEs and to evaluate the underpinning theories. It is crucial to decide the essential metrics to be measured when assessing individual SSCM regions' significance. This system is especially relevant when empirical field research contradicts the hypothetical conceptualization of a study by Ashby (1986). The Table 2 presents survey of literature emphases on 3 factors of industry, social, and, most notably, ecological factors.

Table 2. Critical success factors for sustainable supply chain

S.No.	Critical Success Factors (CSFs)	Author(s)
<i>Organizational commitment</i>		
1.	Initiation and commitment of top management	Bhadu et al (2022); Joseph et al.,(2022); Joshi et al. (2020); Gao et al. (2022)
2.	Strategic planning	Araújo et al. (2022); Joshi et al. (2020); Veskaisri et al., (2007); Bautista et al. (2019); Prakash et al (2020);Sharma et al. (2022)
3.	Enhanced brand image	Joshi et al. (2017); M'zungu et al. (2019)
4.	Human resources management practices	Li et al. (2019); Singh et al. (2020); Sharma et al. (2021); L'Écuyer et al. (2019).
5.	Long-term vision for survival and growth	Didonet et al. (2020); Yusoff (2018); Manzanique-Lizano et al. (2019); Makhoulfi et al. (2022); Prasad et al. (2015)
6.	Focus on core strengths	Bada, and Nurse (2019); Ng et al. (2019); Mohammad and Oduoza, (2019); Mou et al. (2018).
7.	Development of effective SCM strategy	Valdez-Juárez et al., (2018); Wang et al. (2022); Zaridis et al. (2021)
8.	R&D spending by organizations	Brouthers, and Nakos, (2004); Ćudić et al., (2022); Dinnetz and Mireles, (2022); Shantanu et al., (2018); Tsai et al.(2022).
9.	Willingness towards investment	Khandelwal and Singh (2022); Joshi, S. (2018); Côté et al. (2022); Kalinic, I., & Brouthers, K. D. (2022). Joshi et al. (2018); Luthra et al. (2022); Rodríguez-Espíndola et al., (2022)
10	Benchmarking system	Joshi, S., & Sharma, M. (2014); Gress and Kalafsky (2022); Garcia-Alonso et al. (2022) Gress, D. R., & Kalafsky, R. V. (2022).; García-Alonso Wankhede, V. A., & Vinodh, S. (2022). Benchmarking Industry 4.0 readiness evaluation using fuzzy approaches. <i>Benchmarking: An International Journal</i> .
11.	Performance measurement system	Tsai et al. (2022); Naeem, and Garengo,(2022); Kim (2022).
<i>Legislation/ Government support</i>		
12.	Central government legalizations	Joshi, and Sharma (2021); Reim et al. (2022);

		Kaneko, 2022; Joseph, and Dhanabhakym (2022); Sharma et al (2021)
13.	State government legalizations	Joshi, S., & Sharma, M. (2021a); Reim et al (2022); Friery,(2022).
14.	Government policies and programs	Joshi, S., & Sharma, M. (2021b); Mina et al (2021)
15.	Government funding for technology development programs	Ghimire and Kim (2018); Joshi et al (2022); Guo et al., (2018); Mazzucato (2018).
16.	Pressure from non-government organizations (NGOs) lobby	Brouthers, and Nakos, (2004); Ćudić et al., (2022); Dinnetz and Mireles, (2022); Shantanu et al., (2018); Tsai et al.(2022). Joshi, S., Sharma, M., Bisht, P., & Singh, S. (2021).
<i>GSCM (Green Supply Chain Management) Implementation</i>		
17.	Organization's policy supporting GSCM	Tsai et al. (2022); Naeem, and Garengo,(2022); Kim (2022);Joshi, et al (2022)
18.	Involvement of suppliers & vendors in green activities	Sharma, M., Luthra, S., Joshi, S., & Kumar, A. (2021).
19.	Motivation of suppliers & vendors towards green practices	Sharma et al. (2021); Singh et al. (2020); Sharma et al. (2021); L'Écuyer et al. (2019).
20.	Role of employees towards GSCM adoption	Brouthers, and Nakos, (2004); Ćudić et al., (2022); Dinnetz and Mireles, (2022); Shantanu et al., (2018); Tsai et al.(2022).
21.	Green design	Li et al. (2019); Singh et al. (2020); Sharma et al. (2021); L'Écuyer et al. (2019).
22.	Green Manufacturing	Bhadu et al (2022); Joseph et al.,(2022); Joshi et al. (2020); Gao et al. (2022)Sharma et al. (2022b)
23.	Green purchasing	Li et al. (2019); Singh et al. (2020); Sharma et al. (2021); L'Écuyer et al. (2019); Joshi et al (2019)
24.	Green organizational culture	Brouthers, and Nakos, (2004); Ćudić et al., (2022); Dinnetz and Mireles, (2022); Shantanu et al., (2018); Tsai et al.(2022).
25.	Competitors pressures towards greening	Joshi, S., Sharma, M., & Rathi, S. (2017).
<i>Information Sharing/ Technology</i>		
26.	Information sharing with SC members	Joshi, S., Sharma, M., & Singh, R. K. (2020a).
27.	Technology transfer to suppliers & vendors	Didonet et al. (2020); Yusoff (2018); Manzaneque-Lizano et al. (2019); Makhoulfi et al. (2022); Prasad et al. (2015)
28.	Encouragement to technology advancement and adoption	Joshi, S., Singh, R. K., & Sharma, M. (2020b).
29.	Technical know-how and training of entrepreneur	(Joshi et al., 2020; Khoja et al., 2022; Klewitz et al., 2014;Sharma et al., 2019; Shibin et al., 2020)
30.	IT enabled system support	Sharma et al. (2009)
<i>Inter-departmental cooperation/ Internal business performance</i>		
31.	Encouragement from customers	Veskaisri et al., (2007); Bautista et al. (2019); Sharma, M., Luthra, S., & Joshi, S. (2022).
32.	Workplace management	Didonet et al. (2020); Yusoff (2018); Manzaneque-Lizano et al. (2019); Makhoulfi et al. (2022);

33.	Supply chain members' awareness and literacy	Kamble et al. (2019);Araújo et al. (2022); Joshi et al. (2020); Veskaisri et al., (2007); Bautista et al. (2019); Prakash et al (2020);Sharma et al. (2022)
34.	Awareness level of customers	Yusoff (2018); Manzaneque-Lizano et al. (2019); Makhloufi et al. (2022)
35.	Economic benefits	Didonet et al. (2020); Yusoff (2018); Manzaneque-Lizano et al. (2019); Makhloufi et al. (2022); Prasad et al. (2015)
36.	Firm's competitiveness	Yusoff (2018); Manzaneque-Lizano et al. (2019); Makhloufi et al. (2022) Karim et al (2022)
37.	Logistics synchronization	Li et al. (2019); Singh et al. (2020); Sharma et al. (2021); L'Écuyer et al. (2019).
38.	Higher flexibility in production system	(Joshi et al., 2020; Khoja et al., 2022; Klewitz et al., 2014;Sharma et al., 2019; Shibin et al., 2020)
39.	Development of reliable suppliers	Araújo et al. (2022); Joshi et al. (2020); Veskaisri et al., (2007); Bautista et al. (2019); Prakash et al (2020);Sharma et al. (2022)Sharma et al. (2022a)
40.	Developing just in time (JIT) capabilities in system	(Yang et al., 2020; Husein and Zayed, 2020)
41.	Trust development in SC partners	Didonet et al. (2020); Yusoff (2018); Manzaneque-Lizano et al. (2019); Makhloufi et al. (2022); Prasad et al. (2015)
42.	Forecasting of demand on point of sale (POS)	Yusoff (2018); Manzaneque-Lizano et al. (2019); Makhloufi et al. (2022); Sharma, M., & Joshi, S. (2019a).
43.	Prior working experience and occupational background	(Joshi et al., 2020; Khoja et al., 2022; Klewitz et al., 2014;Sharma et al., 2019; Shibin et al., 2020)
44.	Enforcement	Khoja et al., 2022; Klewitz et al., 2014;Sharma et al., 2019; Kumar et al. (2022)
45.	Strict supervision	Khandelwal and Singh (2022); Joshi, S. (2018); Côté et al. (2022); Kalinic, I., & Brouthers, K. D. (2022);Joshi, S., Agarwal, R., & Madan, P. (2018)
46.	Compliance statement	Didonet et al. (2020); Yusoff (2018); Manzaneque-Lizano et al. (2019); Makhloufi et al. (2022); Prasad et al. (2015)
47.	Effective communication platform within companies and with suppliers	Araújo et al. (2022); Joshi et al. (2020); Veskaisri et al., (2007); Bautista et al. (2019); Prakash et al (2020);Sharma et al. (2022)Sharma, M., & Joshi, S. (2019b).

Environmental & Socio-cultural enablers		
48.	Environmental education and training	Le, T. T., & Ikram, M. (2022)
49.	Ethical standards and corporate social responsibility	Brouthers, and Nakos, (2004); Ćudić et al., (2022); Dinnetz and Mireles, (2022); Shantanu et al., (2018); Tsai et al.(2022).
50.	Environmental policy	Bada, and Nurse (2019); Ng et al. (2019); Mohammad and Oduoza, (2019); Mou et al. (2018).
51.	High costs for disposal of hazardous materials/components/products	Sharma, M., Joshi, S., & Kumar, A. (2020b).
<i>Networks/ Linkages</i>		
52.	Linkage capability	Bautista et al. (2019); Prakash et al (2020);Sharma et al. (2022)Sharma, M., & Joshi, S. (2019b); Li, S., Rees, C. J., & Branine, M. (2019)
53.	SME networks); Bautista et al. (2019); Prakash et al (2020); Sharma et al (2021).
54.	Collaboration between industry and academia	Araújo et al. (2022); Joshi et al. (2020); Veskaisri et al., (2007); Bautista et al. (2019); Prakash et al (2020)
55.	Global marketing	Brouthers, and Nakos, (2004); Ćudić et al., (2022); Dinnetz and Mireles, (2022); Shantanu et al., (2018);Sharma, M., & Joshi, S. (2012).
<i>Resources</i>		
56.	Project Resources and capabilities	
57.	Scarcity of natural resources	Sharma et al. (2020a)
58.	Devoted resources for supply chain	Sharma, M., Gupta, M., & Joshi, S. (2019).

4. Illustrative example and results

The Indian F&B SMEs are experiencing major challenges in market climate to strengthen its sustainability performance while enhancing its revenues. Nonetheless, SMEs are in an even more difficult position in this market. They are aggressive to thrive in intense opposition with large corporations, whilst also being blamed for poor environmental results by both domestic and international clients. An image of the current state of management practices and its influence on organisational efficiency can be drawn on the base of the empirical outcomes of this report. This research finds that SMEs in an Indian manufacturing industry are mindful of the importance of environmental practices for businesses and individuals. They understood the effect of environmental practices on firm performance. Price is therefore one of several major components that perform a crucial role when implementing sustainability practices more broadly. One of the barriers to effectively adopting these practices is a lack of awareness about the best approach to implementing sustainable practices. In addition, there is limited debate among scholars on how to interpret the effect of sustainable practices on operational efficiency,

particularly with regard to small and medium-sized establishments in emerging nations Kumar et al., (2019). The purpose of this study is just to define the key performance indicators and their effect on the efficiency of small and medium-sized companies for supply chain management practices and also analyse the viability of the model established in this report. To develop awareness of the condition of the supply chain in the manufacture of SMEs and for direct potential analysis. Following research can be carried for future research

RQ1: What are the effective CSFs needed to attain sustainability?

RQ2: What are the impacts of CSFs on performance of SMEs?

RQ3: What are current sustainability environmental issues?

RQ4: What are the most effective indicators for measuring sustainable performance of Supply chain management?

No previous reading considered all three features (environmental financial, and communal) of sustainable supply chain management in an extensive manner.

5. Managerial implication and conclusions

This study adds to emerging research on sustainable development, operations management and SMEs. The purpose of this research is to have a broad view of how environmental sustainability contributes to previous Studies have explored sustainability in relation to financial and environmental characteristics by offering all three aspects i.e., economic, social and environment this research contributes to the sustainability literature in supply chain management. The results have many implications for entrepreneurs of SMEs who strive to achieve operational excellence, particularly in the manufacturing sector. Operational excellence can be accomplished by SMEs through the successful implementation of sustainable practices in their supply chain management. Research findings indicate that successful use of model developed in the study will facilitate sustainable results in organisations' operations and supply chain functions. In this influential thesis on the relationship of critical success issues driving maintainable activities in Supply chain management of Indian SMEs, the findings of this study are explored in detail, offering insight for academics and industry professionals alike. Plausible ties that are not accounted for in the model, but substantiated by literature, are explored and promoted. Finally, these findings can be used by SME practitioners and relevant policymakers to develop a set of initial guidelines and recommendations to assist them in the effective execution of SSCM practices. The most important consequences for industrial and political professionals, who also provide general knowledge to decision-makers in countries other than India, are illustrated here: As a significance of accepting sustainable exercises, lower production costs would increase over time. A decline in manufacturing costs does not inherently lead to a greater commitment to sustainability and, as such, it is important to take a constructive approach to achieve lasting results.

- Investing in technology development and enhanced logistic support have important roles to play in reducing production costs, based on the derived model. Managers and owners should pursue new possibilities, such as vehicle communication and innovations relevant to firm, to reinforce and improve logistics operations.
- Top management operating SMEs should be aware that developing partnerships with the sustainable supply chain will result in new opportunities for business. The sustainable supply chain relationships, however, arise as a result of the implementation of the enablers defined in this model of hierarchy.
- Investment in upgrading waste management of industry facilities to be more consistent with the ideals of a circular economy will have a huge impact on the sustainability of industry.
- In creating awareness regarding sustainability, management and staff support for sustainable best practices is important. Sustainability and environmental awareness raising activities are just as successful and sensitive to being discussed as help for leadership and can contribute to new business opportunities with green suppliers.
- For manufacturing SMEs, incentives and tax reductions at the government to promote international sustainable supply chain partnerships and enhanced supply chain networks are especially relevant.
- Promotion of green manufacturing, green purchasing and green packaging is also a crucial step for sustainability of firms. As there is a constant pressure of customer towards adopting green practices in manufacturing sector in an organisation.
- Although Supplier's trust, Motivation and Training to adopt sustainability is a key point to be consider for green practices.
- All industries should also pay attention to social area.

Acknowledgements

The authors acknowledge the reviewers and editor of the JDAIC for their critical evaluation of the manuscript and to help in improving its quality through rigorous process of review.

References

- Aggarwal, A. K., & Joshi, S. (2014). Customer perspective in closed loop-sustainable tourism supply chain management: issues and concerns. *International Journal in Management & Social Science*, 2(10), 85–90.
- Aggarwal, A. K., & Joshi, S. (2014). Tourism Destination Competitiveness from Stakeholders' Perspectives: Influences and Evidence from Uttarakhand. *International Journal in Management & Social Science*, 2(9), 79–89.
- Aldaas, R., Mohamed, R., Ali, M. H., & Ismail, N. A. (2022). Green supply chain management and SMEs environmental performance: green HRM practices as antecedent from service sector of emerging economy. *International Journal of Emergency Services*.
- Ali Abbasi, G., Abdul Rahim, N. F., Wu, H., Iranmanesh, M., & Keong, B. N. C. (2022). Determinants of SME's Social Media Marketing Adoption: Competitive Industry as a Moderator. *SAGE Open*, 12(1), 21582440211067220.
- Al-Weshah, G., Kakeesh, D., & Alhammad, F. (2022). Entrepreneurial Marketing in Jordanian SMEs: Initiatives and Challenges. *Entrepreneurial Rise in the Middle East and North Africa: The Influence of Quadruple Helix on Technological Innovation*.

- Araújo, G. R., Kato, H. T., & Del Corso, J. M. (2022). Dynamic capabilities, strategic planning and performance: A virtuous and mutually reinforcing cycle. *Journal of Management & Organization*, 1-17.
- Artin, P. (2022). Current Research in Environmental Sustainability. *Current Research in Environmental Sustainability*, 4, 100138.
- Ashby, J. A. (1986). Methodology for the participation of small farmers in the design of on-farm trials. *Agricultural administration*, 22(1), 1-19.
- Bada, M., & Nurse, J. R. (2019). Developing cybersecurity education and awareness programmes for small-and medium-sized enterprises (SMEs). *Information & Computer Security*.
- Bag, S., Yadav, G., Wood, L. C., Dhamija, P., & Joshi, S. (2020). Industry 4.0 and the circular economy: Resource melioration in logistics. *Resources Policy*, 68, 101776. <https://doi.org/https://doi.org/10.1016/j.resourpol.2020.101776>
- Balasubramanian, S., Shukla, V., & Chanchaichujit, J. (2020). Firm size implications for environmental sustainability of supply chains: evidence from the UAE. *Management of Environmental Quality: An International Journal*.
- Bautista, A., León, A., Rojas, J., & Raymundo, C. (2019, August). Strategic planning model to increase the profitability of an HR outsourcing SME through digital transformation. In *International Conference on Human Interaction and Emerging Technologies* (pp. 856-862). Springer, Cham
- Bhadu, J., Bhamu, J., Singh, D., & Sangwan, K. S. (2022). An ISM approach for lean implementation barriers in labour intensive Indian ceramic SMEs. *International Journal of Productivity and Quality Management*, 35(3), 281-307.
- Bhatt, D. K., Shah, S., & Joshi, S. (2018). New Imperatives in Tourism-based Micro, Small Firms in India: Public Policies and Strategic Issues. In *Sustainable Supply Chain Capabilities of Micro, Small, and Medium Enterprises- Influences, Practices, and Opportunities* (Vol. 1, pp. 124–129). Emerald Publishing, United Kingdom.
- Brouthers, K. D., & Nakos, G. (2004). SME entry mode choice and performance: A transaction cost perspective. *Entrepreneurship theory and practice*, 28(3), 229-247.
- Chou, K.-P., Prasad, M., Lin, Y. Y., Joshi, S., Lin, C.-T., & Chang, J. Y. (2014). Takagi-Sugeno-Kang type collaborative fuzzy rule based system. *Computational Intelligence and Data Mining (CIDM), 2014 IEEE Symposium On*, 315–320.
- Chowdhury, S., Dey, P. K., Rodríguez-Espíndola, O., Parkes, G., Tuyet, N. T. A., Long, D. D., & Ha, T. P. (2022). Impact of Organisational Factors on the Circular Economy Practices and Sustainable Performance of Small and Medium-sized Enterprises in Vietnam. *Journal of Business Research*, 147, 362-378.
- Côté, E., Đukan, M., de Brauwier, C. P. S., & Wüstenhagen, R. (2022). The price of actor diversity: Measuring project developers' willingness to accept risks in renewable energy auctions. *Energy Policy*, 163, 112835.
- Crovini, C. (2022). Crisis Management and Risk Management in SMEs: Towards an Integrated Early Warning System. In *Crisis Management for Small and Medium-Sized Enterprises (SMEs)* (pp. 215-233). Springer, Cham.
- Ćudić, B., Klemenčič, M., & Štefanić, I. (2022). Factors Influencing Information and Communications Technology Usage. *Tehnički vjesnik*, 29(3), 943-948.
- Das, M., Rangarajan, K., & Dutta, G. (2020). Corporate sustainability in SMEs: an Asian perspective. *Journal of Asia Business Studies*.
- Didonet, S. R., Fearne, A., & Simmons, G. (2020). Determining the presence of a long-term/short-term dilemma for SMEs when adopting strategic orientation to improve performance. *International Small Business Journal*, 38(2), 90-110.
- Dinnetz, M. K., & Mireles, M. S. (2022). The Promise of Patent-Backed Finance for SMEs and Universities, and Shifting Patent Eligible Subject Matter. *Lewis & Clark L. Rev.*, 26, 57.
- Fraj, E., Martínez, E., & Matute, J. (2013). Green marketing in B2B organisations: an empirical analysis from the natural-resource-based view of the firm. *Journal of Business & Industrial Marketing*.

- Gao, S., Lim, M. K., Qiao, R., Shen, C., Li, C., & Xia, L. (2022). Identifying critical failure factors of green supply chain management in China's SMEs with a hierarchical cause-effect model. *Environment, Development and Sustainability*, 24(4), 5641-5666.;
- García-Alonso, C. R., Almeda, N., Salinas-Pérez, J. A., Gutiérrez-Colosía, M. R., Iruin-Sanz, Á., & Salvador-Carulla, L. (2022). Use of a decision support system for benchmarking analysis and organizational improvement of regional mental health care: Efficiency, stability and entropy assessment of the mental health ecosystem of Gipuzkoa (Basque Country, Spain). *Plos one*, 17(3), e0265669
- García-Alonso, C. R., Almeda, N., Salinas-Pérez, J. A., Gutiérrez-Colosía, M. R., Iruin-Sanz, Á., & Salvador-Carulla, L. (2022). Use of a decision support system for benchmarking analysis and organizational improvement of regional mental health care: Efficiency, stability and entropy assessment of the mental health ecosystem of Gipuzkoa (Basque Country, Spain). *Plos one*, 17(3), e0265669
- Gress, D. R., & Kalafsky, R. V. (2022). Staffing Considerations and International Trade Fairs for Korean SME Exporters and Innovators. *Asian Journal of Business Research*, 12(1), 21.
- Gress, D. R., & Kalafsky, R. V. (2022). Staffing Considerations and International Trade Fairs for Korean SME Exporters and Innovators. *Asian Journal of Business Research*, 12(1), 21.
- Gupta, H. & Nanda, T. (2015). A quantitative analysis of the relationship between drivers of innovativeness and performance of MSMEs. *International Journal of Technology, Policy and Management*, 15 (2), 128–157.
- Gupta, H., Bisen, J., Kumar, S., & Das, S. (2016). Developing a model of critical success factors for TQM implementation in MSMEs in India and their effect on internal and external quality of organization. *International Journal of Business Excellence*, 10 (4), 449-475.
- Gupta, P. K., Kumar, A., & Joshi, S. (2020). A review of knowledge, attitude, and practice towards COVID-19 with future directions and open challenges. Wiley Online Library.
- Hafeez, A., & Andersen, O. (2014). Factors influencing accounting outsourcing practices among SMEs in Pakistan context: Transaction cost economics (TCE) and resource-based views (RBV) prospective.
- Hair, J. F., Ringle, C. M., & Sarstedt, M. (2012). Partial least squares: the better approach to structural equation modeling?. *Long range planning*, 45(5-6), 312-319.
- Ismail, I. J. (2022). Speaking to the hearts of the customers! The mediating effect of customer loyalty on customer orientation, technology orientation and business performance. *Technological Sustainability*
- Jeong, S. W., & Chung, J. E. (2022). Enhancing competitive advantage and financial performance of consumer-goods SMEs in export markets: how do social capital and marketing innovation matter?. *Asia Pacific Journal of Marketing and Logistics*.
- Joseph, and Dhanabhakym (2022). Role of Digitalization Post-Pandemic for Development of SMEs. In *Research Anthology on Business Continuity and Navigating Times of Crisis* (pp. 727-747). IGI Global.
- Joseph, N., Totawar, A. K., & Sam, O. (2022). Fostering resilience through the culture of excellence (CoE) practices: explorative insights from a talent management SME. *Measuring Business Excellence*, (ahead-of-print).
- Joshi, R., & Joshi, S. (2020). Assessing the Readiness of Farmers Towards Cold Chain Management: Evidences From India. In *Environmental and Agricultural Informatics: Concepts, Methodologies, Tools, and Applications* (Vol. 1, pp. 1570–1587). IRMA, IGI Global.
- Joshi, S. (2013). E-Supply Chain Collaboration and Integration: Implementation Issues and Challenges. In *E-Logistics and E-Supply Chain Management: Applications for Evolving Business*. <https://doi.org/10.4018/978-1-4666-3914-0.ch002>
- Joshi, S. (2018). Social network analysis in smart tourism driven service distribution channels: evidence from tourism supply chain of Uttarakhand, India. *International Journal of Digital Culture and Electronic Tourism*, 2(4), 255–272.
- Joshi, S. (2018). *Sustainable Supply Chain Capabilities of Micro, Small, and Medium Enterprises- Influences, Practices, and Opportunities*. Emerald Publishing, United Kingdom.

- Joshi, S., & Joshi, R. (2016). *Designing and Implementing Global Supply Chain Management*. IGI Global, USA.
- Joshi, S., & Sharma, M. (2014). Blending Green with Lean - Incorporating Best-of-the-Breed Practices to Formulate an Optimum Global Supply Chain Management Framework: Issues and Concerns. In V. Modrák, & P. Semančo (Eds.) *Handbook of Research on Design and Management of Lean Production Systems* (pp. 389-407). Hershey, PA: Business Science Reference. doi:10.4018/978-1-4666-5039-8.ch018
- Joshi, S., & Sharma, M. (2021). Digital technologies (DT) adoption in agri-food supply chains amidst COVID-19: an approach towards food security concerns in developing countries. *Journal of Global Operations and Strategic Sourcing*.
- Joshi, S., & Sharma, M. (2021a). Impact of sustainable Supply Chain Management on the Performance of SMEs amidst COVID-19 Pandemic: An Indian Perspective. *International Journal of Logistics Economics and Globalisation*.
- Joshi, S., & Sharma, M. (2021b). Prolonging retailer-supplier relationship: A study of retail firms during pandemic COVID-19. *International Journal of Logistics Economics and Globalisation*.
- Joshi, S., Agarwal, R., & Madan, P. (2018). Sustainable Manufacturing and Services in Industry 4.0: Research Agenda and Directions. In *Computing Predictive Analytics, Business Intelligence, and Economics Models* (Vol. 1, pp. 97–120). Academic Press.
- Joshi, S., Sharma, M., & Barve, A. (2022). Implementation Challenges of Blockchain technology in Closed loop supply chain: A Waste Electrical and Electronic Equipment (WEEE) Management perspective in developing countries. *Supply Chain Forum: An International Journal*.
- Joshi, S., Sharma, M., & Kler, R. (2020). Modeling circular economy dimensions in agri-tourism clusters: Sustainable performance and future research directions. *International Journal of Mathematical, Engineering and Management Sciences*, 5(6), 1046–1061.
- Joshi, S., Sharma, M., & Rathi, S. (2017). Forecasting in service supply chain systems: A state-of-the-art review using latent semantic analysis. *Advances in Business and Management Forecasting*.
- Joshi, S., Sharma, M., & Singh, R. K. (2020a). Performance evaluation of agro-tourism clusters using AHP--TOPSIS. *Journal of Operations and Strategic Planning*, 3(1), 7–30.
- Joshi, S., Sharma, M., Bisht, P., & Singh, S. (2021). Explaining the factors influencing consumer perception, adoption readiness and Perceived usefulness towards digital transactions: online retailing experience of Millennials in India. *Journal of Operations and Strategic Planning*.
- Joshi, S., Sharma, M., Das, R. P., Muduli, K., Raut, R., Narkhede, B. E., Shee, H., & Misra, A. (2022). Assessing effectiveness of humanitarian activities against COVID-19 disruption: the role of blockchain-enabled digital humanitarian network (BT-DHN). *Sustainability*, 14(3), 1904.
- Joshi, S., Sharma, M., Kumar, S., & Pant, M. (2019). Co-creation among small scale tourism firm: Role of Information Communication and Technology in Productivity and Sustainability. *International Journal of Strategic Information Technology and Applications (IJSITA)*.
- Joshi, S., Singh, R. K., & Sharma, M. (2020b). Sustainable agri-food supply chain practices: Few empirical evidences from a developing economy. *Global Business Review*, 0972150920907014
- Kalinic, I., & Brouthers, K. D. (2022). Entrepreneurial orientation, export channel selection, and export performance of SMEs. *International Business Review*, 31(1), 101901.
- Kamble, S. S., Gunasekaran, A., Parekh, H., & Joshi, S. (2019). Modeling the internet of things adoption barriers in food retail supply chains. *Journal of Retailing and Consumer Services*, 48, 154–168.
- Kaneko, Y. (2022). Empirical Approach to the Pandemic-Based Crisis. In *Insolvency Law Reforms in Asian Developing Countries* (pp. 63-71). Springer, Singapore
- Karim, M. S., Nahar, S., & Demirbag, M. (2022). Resource-Based Perspective on ICT Use and Firm Performance: A Meta-analysis Investigating the Moderating Role of Cross-Country ICT Development Status. *Technological Forecasting and Social Change*, 179, 121626.

- Kashyap, A., & Shukla, O. J. (2022). Analysis of critical barriers in the sustainable supply chain of MSMEs: a case of Makhana (Foxnut) industry. *Benchmarking: An International Journal*, (ahead-of-print).
- Kazlauskaitė, R., Autio, E., Gelbūda, M., & Šarapovas, T. (2015). The resource-based view and SME internationalisation: An emerging economy perspective. *Resource*, 3(2), 53-64.
- Khandelwal, U., & Singh, T. P. (2022). Willingness to Accept Green Practices by Manufacturing SMEs in India. *International Journal of Social Ecology and Sustainable Development (IJSESD)*, 13(1), 1-15.
- Khoja, F., Adams, J., Kauffman, R., & Yegiyani, M. (2022, April). How SMEs benefit from environmental sustainability strategies and practices. In *Supply Chain Forum: An International Journal* (Vol. 23, No. 2, pp. 97-112). Taylor & Francis.
- Kim, S. S. (2022). Influential Indicators and Measurements of Mediating and Moderating Roles on SME Performance. *International Journal of Knowledge Management (IJKM)*, 18(1), 1-18.
- Klewitz, J., & Hansen, E.G. (2014). Sustainability-oriented innovation of SMEs: a systematic review. *Journal of Cleaner Production*, 65, 57-75.
- Kumar, A., JOSHI, S., Sharma, M., & Vishvakarma, N. (2022). Digital Humanitarianism and Crisis Management: An empirical study of antecedents and consequences. *Journal of Humanitarian Logistics and Supply Chain Management*
- Le, T. T., & Ikram, M. (2022). Do sustainability innovation and firm competitiveness help improve firm performance? Evidence from the SME sector in vietnam. *Sustainable Production and Consumption*, 29, 588-599.
- L'Écuyer, F., Raymond, L., Fabi, B., & Uwizeyemungu, S. (2019). Strategic alignment of IT and human resources management in manufacturing SMEs: Empirical test of a mediation model. *Employee Relations: The International Journal*.
- Li, S., Rees, C. J., & Branine, M. (2019). Employees' perceptions of human resource management practices and employee outcomes: Empirical evidence from small and medium-sized enterprises in China. *Employee Relations: The International Journal*.
- Lin, C. Y., Alam, S. S., Ho, Y. H., Al-Shaikh, M. E., & Sultan, P. (2020). Adoption of green supply chain management among SMEs in Malaysia. *Sustainability*, 12(16), 6454.
- Lui, A. K., Lo, C. K., Ngai, E. W., & Yeung, A. C. (2021). Forced to be green? The performance impact of energy-efficient systems under institutional pressures. *International Journal of Production Economics*, 239, 108213.
- Luthra, S., Kumar, A., Sharma, M., Garza-Reyes, J. A., & Kumar, V. (2022). An analysis of operational behavioural factors and circular economy practices in SMEs: An emerging economy perspective. *Journal of Business Research*, 141, 321-336.
- Luthra, S., Sharma, M., Kumar, A., Joshi, S., Collins, E., & Mangla, S. (2022). Overcoming barriers to cross-sector collaboration in circular supply chain management: a multi-method approach. *Transportation Research Part E: Logistics and Transportation Review*, 157, 102582.
- Makhloufi, L., Laghouag, A. A., Meirun, T., & Belaid, F. (2022). Impact of green entrepreneurship orientation on environmental performance: The natural resource-based view and environmental policy perspective. *Business Strategy and the Environment*, 31(1), 425-444.
- Manzaneque-Lizano, M., Alfaro-Cortés, E., & Priego de la Cruz, A. M. (2019). Stakeholders and long-term sustainability of SMEs. Who really matters in crisis contexts, and when. *Sustainability*, 11(23), 6551.
- Mardani, A., Kannan, D., Hooker, R. E., Ozkul, S., Alrasheedi, M., & Tirkolaee, E. B. (2020). Evaluation of green and sustainable supply chain management using structural equation modelling: A systematic review of the state of the art literature and recommendations for future research. *Journal of cleaner production*, 249, 119383.
- Mohammad, I. S., & Oduoza, C. F. (2019). Lean-excellence business management for manufacturing SMEs focusing on KRI. *International Journal of Productivity and Performance Management*.

- Mou, W., Wong, W. K., & McAleer, M. (2018). Financial credit risk evaluation based on core enterprise supply chains. *Sustainability*, 10(10), 3699
- Naeem, H. M., & Garengo, P. (2022). The interplay between industry 4.0 maturity of manufacturing processes and performance measurement and management in SMEs. *International Journal of Productivity and Performance Management*.
- Ng, H. S., Kee, D. M. H., & Ramayah, T. (2019). Examining the mediating role of innovativeness in the link between core competencies and SME performance. *Journal of Small Business and Enterprise Development*.
- Prakash, S., Joshi, S., Bhatia, T., Sharma, S., Samadhiya, D., Shah, R. R., Kaiwartya, O., & Prasad, M. (2020). Characteristic of enterprise collaboration system and its implementation issues in business management. *International Journal of Business Intelligence and Data Mining*, 16(1). <https://doi.org/10.1504/IJBIDM.2020.103853>
- Prasad, M., Li, D.-L., Lin, C.-T., Prakash, S., Singh, J., & Joshi, S. (2015). Designing Mamdani-Type Fuzzy Reasoning for Visualizing Prediction Problems Based on Collaborative Fuzzy Clustering. *IAENG International Journal of Computer Science*, 42(4).
- Qamar, S., Ahmad, M., Oryani, B., & Zhang, Q. (2022). Solar energy technology adoption and diffusion by micro, small, and medium enterprises: sustainable energy for climate change mitigation. *Environmental Science and Pollution Research*, 1-19.
- Quansah, E., Hartz, D. E., & Salipante, P. (2022). Adaptive practices in SMEs: leveraging dynamic capabilities for strategic adaptation. *Journal of Small Business and Enterprise Development*.
- Rameshwar, R., & Joshi, S. (2018). Technological Transformations and Entrepreneurial Approach in Indian MSMEs: Empirical Evidence. In *Sustainable Supply Chain Capabilities of Micro, Small, and Medium Enterprises- Influences, Practices, and Opportunities* (Vol. 1, pp. 60–72). Emerald Insight, United Kingdom.
- Rana, P., & Joshi, S. (2020). Management Practices for Sustainable Supply Chain and Its Impact on Economic Performance of SMEs: An Analytical Study of Uttarakhand State, India. *International Journal of Management*, 11(10).
- Read, J. L., Quinn, R. J., Berwick, D. M., Fineberg, H. V., & Weinstein, M. C. (1984). Preferences for health outcomes: comparison of assessment methods. *Medical Decision Making*, 4(3), 315-329.
- Reim, W., Yli-Viitala, P., Arrasvuori, J., & Parida, V. (2022). Tackling business model challenges in SME internationalization through digitalization. *Journal of Innovation & Knowledge*, 7(3), 100199.
- Rodríguez-Espíndola, O., Cuevas-Romo, A., Chowdhury, S., Díaz-Acevedo, N., Albores, P., Despoudi, S., ... & Dey, P. (2022). The role of circular economy principles and sustainable-oriented innovation to enhance social, economic and environmental performance: Evidence from Mexican SMEs. *International Journal of Production Economics*, 248, 108495.
- Shanker, S., Barve, A., Muduli, K., Kumar, A., Garza-Reyes, J. A., & Joshi, S. (2021). Enhancing resiliency of perishable product supply chains in the context of the COVID-19 outbreak. *International Journal of Logistics Research and Applications*, 1–25.
- Shantanu Rajora Dong-Lin Li, C. J. N. B. O. P. P. S. J. D. P. M. P. (2018). A Comparative Study of Machine Learning Techniques for Credit Card Fraud Detection Based on Time Variance. *2018 IEEE Symposium Series on Computational Intelligence (SSCI)*, 1958-1963, 2018.
- Sharma, M., & Joshi, S. (2012). Creating Silicon Valley in Europe: Public Policy Towards New Technology Industries. *International Journal of Social Economics*, 39(9). <https://doi.org/10.1108/03068291211245745>
- Sharma, M., & Joshi, S. (2019a). Brand sustainability among young consumers: an AHP-TOPSIS approach. *Young Consumers*, 20(4). <https://doi.org/10.1108/YC-12-2018-0914>
- Sharma, M., & Joshi, S. (2019b). Online Advertisement using Web Analytics Software: A Comparison using AHP Method. *International Journal of Business Analytics (IJBAN)*, 7(2).

- Sharma, M., & Joshi, S. (2020). Digital supplier selection reinforcing supply chain quality management systems to enhance firm's performance. *The TQM Journal*.
- Sharma, M., & Joshi, S. (2021). Barriers to Blockchain Adoption in healthcare industry: An Indian perspective. *Journal of Global Operations and Strategic Sourcing*.
- Sharma, M., Gupta, M., & Joshi, S. (2019). Adoption barriers in engaging young consumers in the Omni-channel retailing. *Young Consumers*, 21(2). <https://doi.org/10.1108/YC-02-2019-0953>
- Sharma, M., Joshi, S., & Govindan, K. (2021). Issues and solutions of electronic waste urban mining for circular economy transition: An Indian context. *Journal of Environmental Management*, 290, 112373. <https://doi.org/https://doi.org/10.1016/j.jenvman.2021.112373>
- Sharma, M., Joshi, S., & Kumar, A. (2020b). Assessing enablers of e-waste management in circular economy using DEMATEL method: An Indian perspective. *Environmental Science and Pollution Research*, 27(12), 13325–13338.
- Sharma, M., Joshi, S., & Kumar, M. (2009). Gap analysis in DTH Service quality an empirical study for exploring customer satisfaction towards DTH Services using servqual.
- Sharma, M., Joshi, S., & Singh, V. K. (2021). ERP Implementation Barriers. In *Digitising Enterprise* (pp. 153–159). CRC Press.
- Sharma, M., Joshi, S., Kannan, D., Govindan, K., Singh, R., & Purohit, H. C. (2020a). Internet of Things (IoT) adoption barriers of smart cities' waste management: An Indian context. *Journal of Cleaner Production*, 270, 122047.
- Sharma, M., Joshi, S., Luthra, S., & Kumar, A. (2021). Managing disruptions and risks amidst COVID-19 outbreaks: role of blockchain technology in developing resilient food supply chains. *Operations Management Research*, 1–14.
- Sharma, M., Joshi, S., Luthra, S., & Kumar, A. (2022a). Analysing the Impact of Sustainable Human Resource Management Practices and Industry 4.0 Technologies Adoption on Employability Skills. *International Journal of Manpower*.
- Sharma, M., Joshi, S., Luthra, S., Kumar, A., & Upadhyay, A. (2022b). The Impact of Environment Dynamism on Low-Carbon Practices and Digital Supply Chain Networks to Enhance Sustainable Performance: An Empirical Analysis. *Business Strategy and the Environment*.
- Sharma, M., Luthra, S., & Joshi, S. (2022). Challenges to Agile Project Management during COVID-19 pandemic: An emerging economy perspective. *Operations Management Research*.
- Sharma, M., Luthra, S., Joshi, S., & Kumar, A. (2021). Accelerating retail supply chain performance against pandemic disruption: adopting resilient strategies to mitigate the long-term effects. *Journal of Enterprise Information Management*.
- Sharma, M., Luthra, S., Joshi, S., & Kumar, A. (2021). Implementing challenges of artificial intelligence: Evidence from public manufacturing sector of an emerging economy. *Government Information Quarterly*, 101624. <https://doi.org/https://doi.org/10.1016/j.giq.2021.101624>
- Shibin, K. T., Dubey, R., Gunasekaran, A., Hazen, B., Roubaud, D., Gupta, S., & Foropon, C. (2020). Examining sustainable supply chain management of SMEs using resource based view and institutional theory. *Annals of Operations Research*, 290(1), 301-326.
- SINGH, L. B., MONDAL, S. R., & DAS, S. (2020). Human resource practices & their observed significance for Indian SMEs. *Revista ESPACIOS*, 41(07).
- Tong, L. Z., Wang, J., & Pu, Z. (2022). Sustainable supplier selection for SMEs based on an extended P ROMETHEE II approach. *Journal of Cleaner Production*, 330, 129830.
- Tsai, F. S., Cabrilo, S., Chou, H. H., Hu, F., & Tang, A. D. (2022). Open innovation and SME performance: The roles of reverse knowledge sharing and stakeholder relationships. *Journal of Business Research*, 148, 433-443.
- Tsai, F. S., Cabrilo, S., Chou, H. H., Hu, F., & Tang, A. D. (2022). Open innovation and SME performance: The roles of reverse knowledge sharing and stakeholder relationships. *Journal of Business Research*, 148, 433-443.

- Valdez-Juárez, L. E., Gallardo-Vázquez, D., & Ramos-Escobar, E. A. (2018). CSR and the Supply Chain: Effects on the Results of SMEs. *Sustainability*, 10(7), 2356.
- Veskaisri, K., Chan, P., & Pollard, D. (2007). Relationship between strategic planning and SME success: empirical evidence from Thailand. *Asia and Pacific DSI*, 1-13.
- Wang, Q., Chen, K., Wang, S., & Cao, X. (2022). Optimal decisions in a closed-loop supply chain: fairness concerns, corporate social responsibility and information value. *Annals of Operations Research*, 1-28.
- Wankhede, V. A., & Vinodh, S. (2022). Benchmarking Industry 4.0 readiness evaluation using fuzzy
- Yacob, P., Wong, L. S., & Khor, S. C. (2018). An empirical investigation of green initiatives and environmental sustainability for manufacturing SMEs. *Journal of Manufacturing Technology Management*, 30(1), 2-25.
- YahiaMarzouk, Y., & Jin, J. (2022). Impact of environmental scanning on organizational resilience and competitive advantage: a study of Egyptian SMEs. *Continuity & Resilience Review*, (ahead-of-print).
- Yusoff, T., Wahab, S. A., Latiff, A. S., Osman, S. I., Zawawi, N. F., & Fazal, S. A. (2018). Sustainable growth in SMEs: A review from the Malaysian perspective. *J. Mgmt. & Sustainability*, 8, 43.
- Zaridis, A., Vlachos, I., & Bourlakis, M. (2021). SMEs strategy and scale constraints impact on agri-food supply chain collaboration and firm performance. *Production Planning & Control*, 32(14), 1165-1178.