

The Effect of Green Entrepreneurial Orientation on Environmental Performance (R&D – Revenue Issues): Mediating Role of Green Supply Chain Management

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ABSTRACT

The purpose of this study is to evaluate the effect of active direction in three measurements, like green entrepreneurial orientation (GEO), green supply chain management practices (GSCM), and environmental performance (R&D-Revenue issues). EP impacts on the performance of green supply chain management (GSCM) practices and as well as practical firm presentation, this study explores that there is positive relationship between GEO and EP (R&D and Revenue issues). Data was collected from 260 respondents of textile industry (SMEs) smart PLS used for analysis. Information was examined in the structural equation model (SEM) with partially least squares (PLS) to defend the proposed theories. The findings explore that GEO and EP have a beneficial impact on GSCM and reasonable influence on firm performance. Overall findings discover that GSCM practices mediate the connection between EP and firm GEO, while GSCM also mediate the connection among GEO and EPRI. The Textile industry with highly growing motive understand the execution of GSCM procedures. GSCM practices in activities of reconfiguration, mitigate the effect of cutthroat business climate while working on firm performance. This analysis helps the textile industry to follow and understand the essential direction. GSCM practice implementation systems in the activities and need to reset environmental assets to grab vital independences. As according to the earlier studies any entrepreneur cannot change its R&D method without risk taking this study explore they can change. This study is beneficial to examine the impact of key direction on GSCM and also examines that GSCM practices implementation on textile firms with a complete understanding of the variables while decreasing environmental effects.

Keywords: Green environmental practices, green supply chain management practices, environmental practices, R&D issues, revenue issues, garments and textile industry.

1. Introduction

Acknowledged the firm environmental and social impact of its supply chain operations, the textiles and apparel sector need essential improvements in business models in order to achieve continuous development. According to the World Committee on Environment and Development (WCED), sustainable development implies meeting current demands without endangerment of upcoming generation's ability to meet their own. Supply chain could be characterized because the reasoning

content of long-run stockholder and social value generation while reducing negative environmental impact reliable with the Environmental Protection Agency. Green Entrepreneurial Orientation (GEO) methods become vital and one of the highest degree extraordinary sustainability pattern in professional, seeker, and commercial enterprises as a result of increased worldwide environmental intelligent state. Given the honesty of trading operations, textile and apparel industry executive director are troubled to handle environmental challenges in their supply

chains management practices, according to research.

Green entrepreneurial orientation (GEO) is a suggestive famous as well as wide field in business administration profession. The organization's strategic actions can determine the generic meaningful strategic directions, those directly effect to carry through high rated company's performing ability. All over the long time representative people have personal identity opposing strategical orientation kinds, application in multi dimensions at the firm's performance level. Entrepreneurship and sustainability center published in September 2019 relationship of Sustainable performance and GEO (Green Entrepreneurial Orientation) (Fatoki (2019). Sustainability published an article in 2021 which shows the positive relationship of Green Entrepreneurial Orientation relationship with economic performance and environmental performance (Habib et al. (2021). The world is advanced speedy population increase with limited natural resources and decreased diverseness (Guo et al. (2018). and the environment is an alarming problem for managers. Meanwhile, the general public is becoming more possessed about the environment (Kotchen et al. (2009), with various countries being encouraged toward enjoying the benefits of a green economy, resulting in aextra of entrepreneurship chances (Ataman & Federico (2018). Environmental concerns have altered the competitive landscape in which multinational organizations operate and environmental duties are no longer simply social conditions (Carberry et al. (2009).

My study has chosen Green Entrepreneurial Orientation (GEO), Green learning Orientation, Green Supply Chain Management Practices (GSCM) and Environmental Performance (R&D issue-Revenue issues) which have the advanced authorized capability to follow organizational situations and impart to fantastic public organizational presentation.

First, from the perspective of active capability, my research exposes all links between green entrepreneurial orientations in area of EP (R&D Issues) practices. Second, using the resource advantages hypothesis, I examines the link

between GEO and EP (Revenue Issues) activities. Third in this study the resources supported orientation hypothesis is used to analyses all golf course between GEO and GSCM practice terms. Fourth, the research looks at the relation between GSCM practices and Environmental Performance (R&D) & (Revenue Issues) from the point of view of natural resources. As well as in this study green supply chain management is a mediating. Despite the fact that Green Entrepreneurial Orientation covers economic, environmental, and learning understanding, this study does not include social performance because there is so much research on this topic.

This study makes important effort to theory and practice. To begin, this research disclose current GEO research while also characteristic a newfound of GEO rules. Also on the second number, on GSCM mediation impact of future that leads to developed firm public presentation, and it disclosed the linkage between GSCM and long-run firm public presentation. Third, for client evaluation and market situation is applied with good environmental friendly products. The GEO firm is motivated to launch and build GSCM ability that perfect sustainability performance due to knowledge (internal and external) of any firm. The study was limited of a single country's textile manufacturing sector. The data was collected from a single person of per organization (included top management) which limited the research's overview. And obtaining more than detailed data from objects of supply chain focal, which includes many downstream and upstream market players, which may yield various results of problem solving vision. As well as this research looks into the indirect and direct concerns. This study focuses on the mediator in the fundamental collaboration between Green Entrepreneurial Orientation and Green Supply Chain Management Practices on a larger scale relate many textile sector business stakeholders. How enterprises might on purposelocation themselves in the rash environment to take benefit of hazard or interruption (insufficient natural resources) could be an attractive research topic.

2. Literature Review

2.1 Theoretical Foundation

Fatoki (2019) explores that entrepreneurial attitude and environmental performance have an interdependent relationship (R&D issues). The study's goal was to look at the influence of Green Entrepreneurial Orientation (GEO) on the long-term public presentation (PP) of businesses in the hotel industry. Long-term performance was measured using financial and environmental factors. Sustainable performance was measured by financial and environmental indicators. The Cronbach's alpha was used as the measure of reliability. The results showed a significant positive relationship between GEO and financial, environmental, and social performance. The study's findings can help hospitality companies better understand the elements that influence sustainability activities at the company level.

GSCM works on influencing manageable firm execution. In general, discoveries assist materials with firming the board thoroughly comprehend the implementation methodologies of GSCM practices in activities and reconfigure in like manner in the serious business climate while working on firm exhibitions. This review is quick to look at the impact of dynamic direction on GSCM practice implementation in the materials business from the setting of an upstream activity with a far-reaching understanding of the variables while decreasing environmental effect.

Hossain & Azmi (2021) examine the relationship between Green Entrepreneurial Orientation and Green Supply Chain Management Practices. The purposefulness of Entrepreneurial Orientation (EO) characteristics

on the clothing manufacturing's carry across presentation is the subject of their research. Abstraction, pro activity, and risk-taking are three qualities that EO calculates. According to the conclusions of this study, attentiveness and pro action have a good and substantial influence on export success. The risk-taking idea, on the other hand, has no bearing on export performance.

Dogbe et al. (2021) studied the mediating impact of realized absorptive ability in the connection between market orientation and innovation capability, as well as the mediating function of green brand positioning in the association between innovation capability and new product success. Resources are explained as tangible and intangible assets utilized by organization to create and utilize productivity of an enterprise, such as skills, information, knowledge, procedures, etc. Green production and marketing are also well-known means to fix social welfare into organizational activities. On the other hand, Green promotion activities are required to be conveyed to the end user by an effective positioning approach (Hartmann et al. (2005).

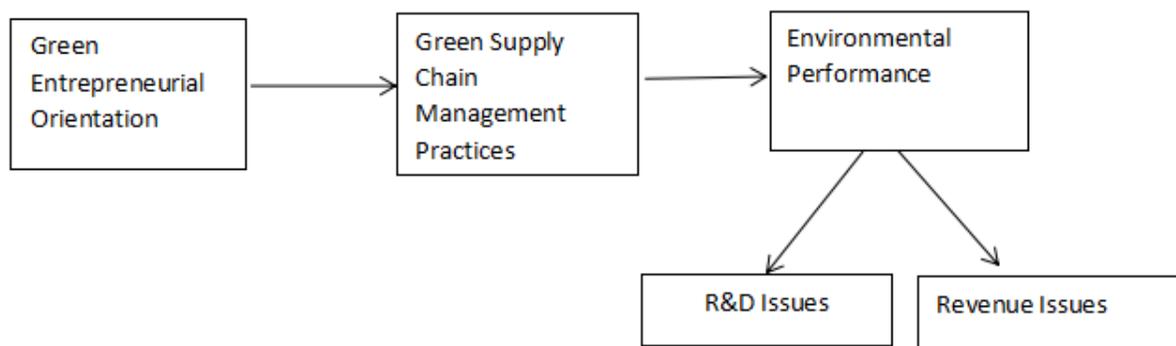
Several studies have stated that the business's problems (ground-breaking (innovative) goods and supply chains, networking and communication, product and market diversity, modern technology, and social conformity) are preventing it from performing as ordinary in international marketplaces (Fasan et al. (2021), (Carlson (2018), (Khan et al. (2019), (Haque & Azmat (2015). The determination of this research paper is to explore the effect of GEO proportions on the carry across presentation of Pakistani garment industrial SMEs. There has been not at all research that has been explained how to enhance exports, which are critical to Pakistan monetary development because they are the primary source of overseas conversation profits.

Habib et al. (2021) examines that Green Supply Chain Management (GSCM) practices arbitrate the relationship between Green Entrepreneurial Orientation (GEO) and R&D issues. The textiles and apparel industries have found it difficult to make sure sustainability through Green Supply

Chain (GSC) management techniques, according to their research. The findings assist textiles firm management in fully understanding the methods for using GSCM rules in operations and rearrange accordingly in a competitive business environment while increasing industry

2.2 Research Framework

Figure 1. Research Framework



2.3 Hypothesis Development

2.3.1 Green Entrepreneurial Orientation and Environmental Performance (R&D issues)

Habib et al. (2021) this study makes important theoretical and practical contributions. Green Entrepreneurial Orientation is a long-familiar and larger field in business concern administration literary study, according to their research, and there is a significant link between Green Entrepreneurial Orientation and Environmental Performance (R&D issues). The findings assistance textiles firm management in fully comprehending the methods for using GSCM principles in trading operations also reorganizing consequently in a competitor's business concern state of affairs while increasing organizations performance. To look at the determinant of Strategical Orientation on the application of GSCM techniques in the textile sector from the appearance of an upstream business activities this is first research , with a thorough grasp of the variables and a low environmental impact.

Guo et al.(2018) explore that as a combination of both concepts of innovation and

performance. This happens first time research to look at the impact of strategic orientation on the approach of GSCM techniques in the textiles industry from the approach of an upstream operation with in depth hold of the variables and a low environmental impact.

environmental development, green innovation is of great implication to the sustainable development of the country and industry. Previous litterateurs have found the separate roles of green entrepreneurial orientation and inter organizational learning in understanding green innovation issues. However, few studies have done a complete analysis of mixing three streams of research green entrepreneurial orientation, green innovation and supply chain learning capability. Findings from their experiential study suggest that supply chain learning capability partially mediates the positive relationships between green entrepreneurial orientation and its two consequences green incremental innovation and green radical innovation. In addition, this research implies that when enterprise has a strong green entrepreneurial orientation, the enterprise should make an effort to enhance the level of supply chain learning capability so as to fully develop their green innovation.

H1: Relationship between Green entrepreneurial orientation and environmental performance (R&D issues).

2.3.2 Green Entrepreneurial Orientation and Environmental Performance (Revenue Issues)

Makhlou (2020) explores the impact of green entrepreneurial approach on GIP and EP, using a natural resource-based orientation. Green Absorbent Capacity (GAC), Environmental Cooperation (EC), and MEC all have a significant impact on GEO, according to the findings.

Grande et al. (2011) the goal of this study is to see how firm specific resources and the firm's Entrepreneurial Orientation (EO) affect performance in small farm based businesses. The findings determine that the examined businesses success is influenced by their financial capacity, characteristic talent, and entrepreneurial action. This implies that businesses are rewarded for their entrepreneurial efforts in the long run. As a result, entrepreneurial actions and mindsets are an important component in allowing businesses to better develop, reconsideration, and utilize their resources.

Covin et al. (2005) explores they investigate how, throughout time, entrepreneurial orientation (EO) has become a significant construct in the strategic management and entrepreneurship literature.

According to Heydari et al. (2020) established businesses are most reasonable as "entrepreneurial" descriptors when they are simultaneously risk taking, inventive, and aggressive in their overall business operations, product offers and technologies, and contacts with rivals, respectively. Nonetheless, important information holes exist within the field of EO study, even though these three aspects of EO might alter independently of one another. An emphasis on this type of study is warranted because it may offer much-needed information on how businesses may effectively manage entrepreneurial behavior at the company level.

H2: Green entrepreneurial orientation has a significant impacts on environmental performance (revenue issues):

2.3.3 Green Entrepreneurial Orientation and Green Supply Chain Management Practices

Cortes et al. (2021) they say that businesses all over the world must react to the requirement to differentiate their services and stay entrepreneurial in a competitive market while still operating at a high level of efficiency and effectiveness. Their goal in this study is to super scribe this problem by providing a comprehensive assessment of examination on the relationship between Entrepreneurial Orientation (EO) and supply chain management (SCM), as well as summarizing the most important results in this area. They find out that, while existing research recognizes the importance of entrepreneurial behavior to maintain the development for growth full Supply Chain Orientation of more effective and value-creating supply chains, more hypothetical progress and experiential research a number of industries required this in exact supply chains. They identify and proposition specific ways to development this study project.

Alavi et al. (2021) examines the relationship between Green Entrepreneurial Orientation and Green Supply Chain Management Practices (GSCMP). They conclude that, in today's world, recognizing suitable and scientific information about environmental concerns and subjects is a tool for certifying a clean environment. As a result, the complicated and mysterious idea of green entrepreneurial orientation has become a particularly appealing study topic in the temporary. On this premise, the current paper also addresses this topic. They expect that the current study will have important implications for the future of research in the field of green entrepreneurship.

H3: Green entrepreneurial orientation has a significant impact on green supply chain management practices.

2.3.4 Green Supply Chain Management Practices and Environmental Performance (R&D Issues)

Green et al. (2012) examines that at hand is an important relationship between Green Supply Chain Management Practices and Environmental Performance (R&D issues). They describe the

link between the goal is to make a substantial contribution to the primary tendency of experiential studies on the impact of green supply chain management (GSCM) techniques on performance. The study is examining by necessity because it is a first wave empirical assessment of the influence of GSCM methods on presentation of organization. The results of this study back up the idea that GSCM carry out are both ecologically beneficial and profitable. A systematic two wave strategy to GSCM practice deployment is proposed.

Jermittiparsert et al. (2019) examines that there is a significant relationship between Green Supply Chain Management Practices and Environmental Performance (R&D issues). Environmental concerns have altered the way companies are conducted across the world. As environmental concerns have grown, businesses have been forced to consider the environmental impact of their actions, resulting in the creation of Green Supply Chain management techniques. In order to determine the antecedents and consequences of green supply chain management, this study was undertaken. Finally, the findings exposed that green supply chain management is a strong positive mediator between Green Information Management Capacity, in-house environment administration, and ecological performance.

H4: Green supply chain management practices has a significant impact on environmental performance (R&D issues)

2.3.5 Green Supply Chain Management Practices and Environmental Performance (Revenue Issues)

Heydari et al. (2020) examines the relationship between Green Supply Chain Management Practices (GSCMP) and Environmental Performance (revenue issues). In a two ranking supply chain, demand it is a purpose of product's green quality and its selling price, this study examines the green channel coordination challenge. Their study unwrap that (a) the projected HGRS agreement which is accomplished of attaining network organization while mutually supply chain followers gain advantage of more revenue than in reorganized

decision making, (b) new recommended agreement improves the product's green feature, that encourages the market demands and reduces the selling price, and (c) At the same time, the HGRS contract results in more pleased consumers (because to cheap pricing) and more sustainable operations (due to increased greenness level).

Grande et al. (2011) they examines that there is goal of their research is to see how firm-specific resources and the firm's entrepreneurial orientation (EO) affect performance in small farm-based businesses. It incorporates theoretical threads from resource-based and entrepreneurial perspectives. The findings demonstrate that the examined businesses' success is influenced by their financial capacity, distinctive talent, and entrepreneurial activities. This implies that businesses are rewarded for their entrepreneurial efforts in the long run. As a result, entrepreneurial actions and mindsets are an essential component in allowing businesses to better develop, rethink, and utilize their resources.

H5: Green supply chain management practices has a significant impact on environmental performance (revenue issues).

2.3.6 Green Supply Chain Management with Green Entrepreneurial Orientation and Environmental Performance (R&D Issues)

Yousuf et al. (2021) examines that the present study's major goal is to look at the conventional link between Green Supply Chain Management, environmental management, and long-term presentation. The researchers found that there are two types of mediation effects between internal and external GSCM activities, or that both are mediators of these relationships. The researchers found two types of mediation special effects between external and internal GSCM activities and improved organizational financial presentation. The research will aid pre actioner and policymakers in better understanding the challenges of green supply chain management, environmental management, and long-term presentation of organization's performance.

Ahmad & Karadas (2021) examines that Green Supply Chain Management Practices mediates,

the major goal of this research is to place an experimental research model that is exactly looks Cihan Group managers' sentiments of the inspiration for operative management on improving organizational performance, as a mediation mechanism while by means of Green Supply Chain Management techniques. The study discovered favorable as well as these are considerable fundamental contacts between GSCM practices and the leading organization, primary people, and principal self. This research improves to the figure of information by representative that effective leadership in its three measurements of association, people, and self-progresses organizational presentation ultimately through the mediating function of GSCM practices. GSCM techniques, on the other hand, which enhances social and environmental presentation.

Habib et al. (2021) examines that “Green Supply Chain Management (GSCM)” practices arbitrate the relationship between “Green Entrepreneurial Orientation (GEO)” and R&D issues. The textiles and apparel industries has found it difficult to make sure sustainability through “Green Supply Chain (GSC)” management techniques, according to their research. The findings assist textiles firm management in fully comprehending the methods for using GSCM rules in operations and re-arrange accordingly in a competitive business environment while increasing industry performance. This happens 1st time research to look at the impact of strategic orientation on the approach of GSCM techniques in the textiles industry from the approach of an upstream operation, with in depth grip of the variables and a low environmental impact.

H6: Green supply chain management practices mediates the relationship between green entrepreneurial orientation and R&D issues.

2.3.7 Green Supply Chain Management Practices with Green Entrepreneurial Orientation and Environmental Performance (Revenue Issues)

Abdallah & Al-Ghwayeen (2020) experienced that Green Supply Chain Management usually moderate the relationship in the middle of Green

Entrepreneurial Orientation and revenue issues. The goal of this study is to look at how Green Supply Chain Management affects Environmental Performance (EP), Operational Performance (OP), and business performance in Jordan, a under develop nation. Moreover, the aspects of environmental and organizational element on the link between Green Supply Chain Management and company success are studied. The collection also showed that Green Supply Chain Management has a favorable and important overall effect on business success. Green Supply Chain Management has a negative but small direct effect on business performance. As a result, the whole beneficial outcome of Green Supply Chain Management on business performance is indirectly effect and passes through EP and OP completely. It is started 1st time that the study of Green Supply Chain Management have impact directly and indirectly on organizational behavior and processes. Especially it's effecting in developing countries like the Middle East.

Al-Ghwayeen & Abdallah (2018) analyze that Green Entrepreneurial Orientation and Outcome issues. The purpose of this research is to look at how Green Supply Chain Management (GSCM) have impact on Environmental Performance (EP) and Export Performance in Jordan, a developing nation. They revealed that EP has an affirmative and considerable impact on export performance. EP is also shown a successful aspect between GSCM and Export in different substitution ways. This research is introduced 1st time in the world which influence of GSCM on export performance on speedily in a growing countries. In Jordan, GSCM is an area of interest that attained attentions. The outcomes are intended to promote manufacturing business organization in Jordan by using GSCM tools in order to get financial benefits by increasing exports through EP improvements.

Choi & Hwang (2015) study that Green Supply Chain Management practices to build the bridges between Green Entrepreneurial Orientation and outcome problems. The Natural Resource Based Perspective (NRBV) and relational concept are used in this work to expand the research on Green Supply Chain

Management (GSCM) methods. The outcomes of these trials were largely questionable. Ranging from no improvement to a significant improvement (Zhu et al. (2005).

In extremely unforeseeable business contexts, collaboration partnerships have assisted businesses in minimize transaction costs and establishing a sustainable competitive position (Ahmed & Nadruz(2021).

H7: Green supply chain management practices mediate the relationship between green entrepreneurial orientation and revenue issues

3. Methodology

Methodology is one of the most important aspects of any research project. The questionnaires were adapted from previous research, and the questionnaire was translated, as well as the demographic, population, sampling, and data gathering processes.

3.1 Questionnaire and Pre-test

The current study includes data collection from employees of several textile firms in Punjab, Pakistan. Over the course of two months, respondents were surveyed for information. The determination of this research is to see how the influence of green entrepreneurial orientation on environmental performance as well as the mediating function of green supply chain management. The replies were gathered using a questionnaire survey technique. A list of questions was sent to 150 textile companies. Using a basic random sample approach, data was obtained from 260 employees of firms across Pakistan. The most common instruments were modified from a variety of research. The questionnaire's items were graded from 1 (strongly disagree) to 5 (strongly agree). Green supply chain techniques were assessed using the acting scale. (Al-Ghwayeen & Abdallah (2018) GEO was used to assess many GEO strategies: We have given priority to green practices, such as research and development product and process innovation. Green Supply Chain Management practices (five items sample item: “senior managers in our firm are committed to green supply chain management.), Environmental Performance

R&D issues (five items; sample item: “In comparison to the last three years now, the frequency of environmental accidents decreased.”). And Environmental Performance Revenue issues (five items; sample item: “Our organization increase in energy saved due to conservation and efficiency improvement.”).

Green supply chain techniques were assessed using the acting scale (Al-Ghwayeen & Abdallah (2018). Green Entrepreneurial Orientation(five things, one of which is a sample item, our organization emphasizes design of products for reduced consumption of material/energy).

3.2 Design and Participants

The research technique utilized in this study is explained. The next parts go through the study strategy, demographic and sample size, research tools, and data collecting process. The statistical approaches used to test the hypotheses are discussed in the last section. The determination of this research is to examine the relationship between Green Entrepreneurial Orientation and Environmental Performance (R&D issues), an effective approach towards Green Supply Chain and Relationship between Green Entrepreneurial Orientation and Environmental Performance (revenue issues), Green Entrepreneurial Orientation has a significant impact on Green Supply Chain Management Practices, Green Supply Chain Management Practices has a significant impact on Environmental Performance (R&D issues), Green Supply Chain Management Practices has a significant impact on Environmental Performance (Revenue Issues), Green Supply Chain Management Practices mediates the relationship between Green Entrepreneurial Orientation and R&D issues. This study is also investigates that Green Supply Chain Management Practices mediate the relationship between Green Entrepreneurial Orientation and revenue issues. The nature of this research was correlational. According to the study's objectives, hypothesis testing examines the link between changes in one component and changes in one or more other factors using correlation coefficients. A self-directed questionnaire was used to collect data on all of the elements studied.

For data gathering in Punjab, Pakistan, personnel from various companies are utilized. Employees were the unit of analysis in this study. The main response to characterize the top management of the firms was the owners, managers and some supply chain members of various enterprises, the majority of which were in the textile sector. They were respectable because they were qualified to respond to queries about the study's factors. They were also familiar with the overall operational activities of the businesses represented. According to previous research, the business owner or top management was largely responsible for making critical choices and defining the organization's strategic orientations. The determination of this research is to see how the impact of green entrepreneurial orientation on environmental performance, as well as the mediating of green supply chain management. The replies were gathered using a questionnaire survey technique. Using a basic random sample approach data was obtained from 260 employees of firms across Pakistan. It is critical to choose a suitable sample size for every research project. Basic random sampling was employed as the sampling method, which is a simple method that provides individually component in the sample an equal chance of being picked as the topic. Because each element of the population has an equivalent chance of being picked, the simple random approach can prevent the researcher from being biased in the selection of respondents. This method generates a sample that is highly typical of the community under examination, allowing the researcher to induce the findings to the entire population.

3.3 Data Analysis

Data in this study was examined using Statistical Package for Social Science (SPSS) version 25- and second-generation tools, referred to as Partial Least Squares Structural Equation Modeling (PLS-SEM). The basic objective of the current study is to check the effect of independent and mediating variables (Green Entrepreneurial Orientation, Green Supply Chain Management practices, and on dependent variables (Environmental Practices (R&D Issues, Revenue issues)). The outcomes obtained

from data collection are of significant importance. The data collected is analyzed and findings are explained here.

The study is quantitative and data is gathered by using structured questionnaire. Analysis of data is performed using PLS. The descriptive analysis is done which illustrates the mean and standard deviation scores of the study that shows the dispersion of data. The reliability of items and scale is calculated by using Cronbach's Alpha. The demographics of the respondents are analyzed by frequency and percentage distribution which aligns the data and represent it in more understandable form.

The normal distribution of data is assessed in data normality analysis. To test the developed hypothesis of the study, linear regression and Pearson correlation is performed. It helps to check the significance of the independent and dependent variables and their relationships.

3.4 Common Method Bias

The subject of technique preference is the essential source of estimation mistake, motivation an advised relationship among estimation things. As to starting points, the measured mistake difference can seriously affect the examination discoveries, which might rapid mistaken results. Henceforth, it is important to discover the reasons for normal strategy tendency (CMB). I tried the CMB twice. In the first place we played out Harman's one-factor test to notice the primary axis factor examination (PAF). Subsequent to finishing the test, we have found the maximum change of a private develop is 34.897%, which is a lower regard than the recommended half. Second, I measure the CMB in change swelling factors (VIF) benefits from the full trial of the builds, which likewise discovered a lower esteem than the suggested. Accordingly, CMB was not found in this review information.

3.5 Analysis Procedure

This review used PLS-SEM on the grounds that PLS-SEM is intensely applied in sociological, advertising and business procedure research. The PLS underlying condition displaying method was utilized as a presently

acknowledged model to analyze the hypothesis with observational information Hair et al. (2014). We dissect the information by perception PLS programming. PLS offers a significant instrument for GSCM research inferable from the high grade of adaptability it accommodates the connection among hypothesis and information, which shows up straightforwardly important given the current situation with research in green inventory network the executives.

Frequency and Percentage distribution of demographic characteristics

The distribution of frequency shows the number of observations that show how many individuals are in the category level. It organizes the data in tabular/graphical form and make it more understandable. It provides convenience to researcher to take a brief look of the whole data.

Table 1. Convergent Validity

Item Construct Loading	Measurement Item of	CR	AVE	
GEO1	emphasizes design of products for reduced consumption of material/energy	0.804	Green Entrepreneurial Orientation (GEO)	
GEO2	emphasizes design of products that can be reused, recycled and recovered of	0.785		
GEO3	firmly takes a green initiative to respond to the competitor's actions.	0.732		
GLO4	emphasizes design of products to reduce use of harmful/toxic material	0.804		
GLO5	emphasizes optimization of design process to reduce air emission and noise	0.761		
GEO6	emphasizes optimization of design process to reduce solid and liquid waste	0.804		
			0.881	0.561
Green supply chain management practices (GSCMP)				

3.6 Estimation Model

I examine the build firm quality, focalized acceptability, and discriminant acceptability. To begin, not set in stone to develop firm quality by analyzing the composite dependability and Cronbach's alpha. From estimation in this review form (Table 1) all the (CR) values were found somewhere in the range of 0.881 and 0.941. The sum is higher than the suggested worth of 0.7, which means that the estimation model of development is solid and fit for the model. Second, the linked validity was surveyed through the normal change separated (AVE). All the develop AVE respects were found inside the scope of 0.558 to 0.609 which is over the limit upsides of >0.50, showing that this present model's focalized legitimacy is all around acknowledged. Items were deleted from each dataset with lowest factor loadings (<0.50).

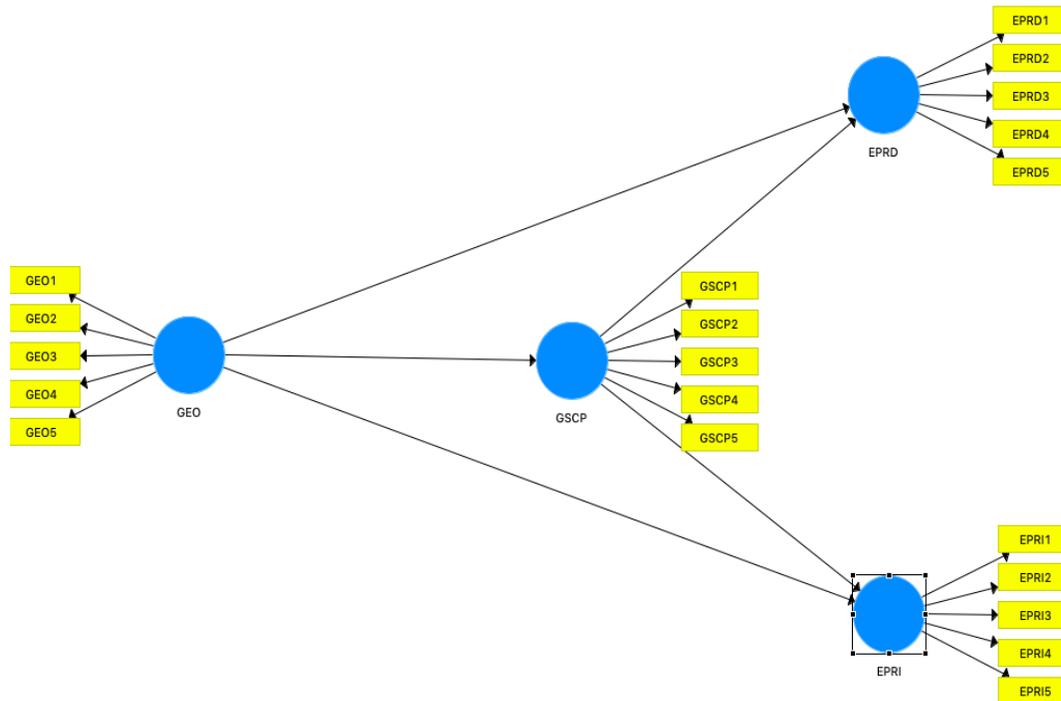
GSCMP1	Senior managers in our firm are committed to green supply chain management.	0.790	
GSCMP2	Our waste water has been reduced after the introduction of green policies.	0.797	
GSCMP3	We have implemented recycle policies.	0.784	
GSCMP4	We have implemented re-manufacturing policies.	0.804	0.886
GSCMP5	We provide design specifications to our partners that include environmental requirements for purchased items.	0.715	
Environmental performance (R&D issues)			
			0.869 0.570
EPRD1	Our firm has information sharing structure with customers	0.731	
EPRD2	Our firm cooperates with suppliers who have environmental certifications such as ISO 1400	0.740	
EPRD3	Our firm has a system to track environmental laws and regulations	0.815	
EPRD4	Our firm has partnerships with suppliers that aim to build environmental solutions and/or develop environment-friendly products	0.776	
EPRD5	In comparison to the last three years now, the consumption of hazardous/ harmful/ toxic materials is decreased	0.731	
Environmental performance (Revenue issues)			
EPRI1	Our company has achieved operational cost savings during the last three years compared to competitors	0.763	
EPRI2	Our company has improved on-time delivery rate during the last three years compared to competitors.	0.719	0.881
EPRI3	Our market share has increased during the last three years compared to competitors	0.838	
EPRI4	Our customer satisfaction level has increased during the last three years compared to competitors	0.804	
EPRI5	Our profitability has increased during the last three years compared to competitors	0.733	

3.7 Structural Model

Fundamental presenting was accomplished to evaluate hypothesis in the background of textile firms in the sake of confirming that the model is solid and considerable by assessing the

estimation model. Way coefficients, t-qualities, and standard blunders are figured to discover that model and connections are strong with assembled information.

Figure 2. Measurement Model



3.8 Discriminant Validity

Discriminant validity confirms that the measurements are basically not quite the same as each other. Discriminant validity was evaluated through the Fornell-bigger basis and cross-stacking. At last, the Heterotrait–monotrait

proportion (HTMT) of connections was lower than 0.9 demonstrating the acceptable HTMT (Table 2). Accordingly, the joint consequences of the Fornell–Larcker standard, cross-stacking grid and HTMT affirm that the discriminant acceptability of the information is fulfilled.

Table 2. Discriminant Validity (HTMT Ratio)

	GEO	GSCM	EPRD	EPRI
GEO				
GSCM	0.603			
EPRD	0.583	0.591		
EPRI	0.647	0.663	0.574	

4. Result and Findings

4.1 Primary Model and Hypothesis Testing

In accordance with research purposes, the organized model (the hypothetical model) is created to examine the connections of builds factors.

Then at that point mediation impacts were supported of GSCM practice among GEO and firm execution and the involvement impact of EPRD and EPRI. To device the primary model's informative force the R² respect was utilized as the dependent variable. Hair et al. (2016) the review tests the relationship between the free and ward factors by way coefficient (β) and t-insights. As per (Table 3) there is immediate and positive critical relationship of GEO on EPRD ($t = 12.883$, $\beta = 0.538$, $p < 0.001$), ERRI rehearses ($t = 7.747$, $\beta = 0.415$, $p < 0.001$), and GSCMP ($t = 10.799$, $\beta = 0.503$, $p < 0.001$) progressively. Thusly, H1, H2, and H3 are upheld. Along these lines, the firm with more prominent GEO, EPRD ability will

fundamentally be related with GSCM rehearses. Further, GSCM has discovered direct sure associations with monetary, EPRD ($t = 9.406$, $\beta = 0.525$, $p < 0.001$) and natural, EPRI ($t = 11.681$, $\beta = 0.545$, $p < 0.001$). Accordingly, H4 and H5 are upheld.

In accordance with rules, we tried the mediating impact of GSCM practices. Coefficient direct way of the independent and dominant variable and mediating and subordinate variable (i.e. IV DV) is utilized for arranging impact examination. From the way coefficients of the bootstrapping, the outcomes discovered the impact's importance has been firm dependent. Further, the change represented (V.A.F.) has been assessed to decide the intervening impacts' size. The consequences of the intervening impact are displayed. The outcomes show that there is a critical circuitous impact of GSCM on GEO through the intervention of EPRD ($t = 10.156$, $\beta = 0.518$, $p < 0.001$) and EPRI ($t = 19.741$, $\beta = 0.612$, $p < 0.001$). These discoveries support the theory of H6 and H7.

Table 3. Path Analysis

Hypothesis	Path	Path Coefficient	T Statistics	p Values	Decision
H1	GEO→EPRD	0.538	12.883	0.000 **	Supported
H2	GEO→EPRI	0.415	7.747	0.000 **	Supported
H3	GEO→GSCM	0.503	10.799	0.000 **	Supported
H4	GSCM→EPRD	0.525	9.406	0.000 **	Supported
H5	GSCM→EPRI	0.545	11.681	0.000 **	Supported
H6	GEO→GSCM→ EPRD	0.518	10.156	0.000 **	Supported
H7	GEO→GSCM→ EPRI	0.612	19.741	0.000 **	Supported

5. Discussion and Implication

5.1 Discussion

Drawing upon this review adopts a speculative model and surveys the relationship of vital direction for example GEO, GSCM, EP and afterward divides them as far as GSCM practice

resultsexpose that the GEO set with GSCM practices relationship is overall upheld. Earlier research on GSCM practices have various institutional demanding factor, observing the central components and the impact. In this absence of survey to recognize the firm-level precursors of GSCM practice is satisfied by

experimentally approved findings, green entrepreneurial as a fundamental ranked forerunner to embrace GSCM rehearses. The review reveals a huge connection between EP with GSCM practices reception. Reliable with (Katrakilidis & Trachanas(2012))findings, it confirms that market information is the organizer of original exercises like groundbreaking thoughts, green development, which bring upper hands. The conclusionssupportEP relationship with GSCM practices. The findings appear to be amazing since earlier surveys tracked down a positive association with development execution. In all actuality the business people in Pakistantextile firms are more concerned about high efficiency than information the executives, securing, sharing, and change.

However the EP (R&D, RI)have a mediate positive relationship with GSCM practices reception, a huge backhanded mediation impact can be said that EP impacts to move the GEO to embrace GSCM practices in the firm. Further the review studied the positive interference impact of market direction EP in the connection between green entrepreneurial orientation and GSCM practices. This review has taken risks that the reception and execution of GSCM works on welcome a critical effect on organization execution research & development and revenue issues.

Reliable with concentrates by our outcomes demonstrated this theory.

5.2Administrative Implication

This analysis helps the textile industry to follow and understand the essential direction and GSCM practice implementation systems in the activities and as needs be reset environmental assets to grab vital independences, differentiate needs towards extraordinary firm exhibitions.

Second, the business development and worth production of the association trusts upon the essential direction of the business idealistic. GEO firms take on GSCM practices to believable market openings and meet the eco-accommodating client condition. Dynamic capacities of GEO firms upgrade the techniques and dynamic capacity of the business person by

taking on GSCM practices to acquire a particular manageable objective.

Third, business supervisors who are fighting for more prominent ability and feasibility might apply the discoveries in business methodologies towards an eco-accommodatingand benefit looking for firm through catching upper hands.

Fourthly, discoveries will help the textile and garments industry. Experts to catch the execution techniques of GSCM practices and consistency holes and basic change structure its creation and item framework. Its way of life properly towards the more amazing acceptable firm presentation. At the end the findings might work with the material assembling industry in non-industrial nations to further develop their GSCM practices while improving the natural effect.

5.3 Limitations and Future Research Direction

This research has a few limits. The survey was directed clearly on a privatetextile industry of a country. The information were gathered from direct respondent of firm (top, middle and lower)checking the reviewsoverview indirectly linked stack holders. Second, more comprehensive information collection from the firms which have not any network, including the numerous upstream and downstream partners. Third, this review investigates the direct and dominantimpacts. Future examination may on the middle person in essential direction and GSCM relationship and furthermore on the mediator in GSCM practice and manageable firm execution on a more extensive scale including numerous business partners of the material business. There is green learning orientation a wide area for study with GEO and EP. As well as there is a growing deep concern with GSCM practices and GEO. How firms can purposely position themselves to face challenges or trouble (e.g. regular assets) in the dynamic climate could be an interestingexamination road.

5.4Conclusion

This research represents the impact of key direction on the execution of GSCM practices in the textile firms and further tests the support ability execution from monetary system and

environmental settings. The answers were gathered using a questionnaire survey technique. Using a basic random sample approach, data was obtained from 260 employees of textile firms across Pakistan. It is critical to choose an appropriate sample size for every research project. Basic random sampling was employed as the sampling method, which is a simple method that provides individually component in the sample an equal chance of being picked as the topic. It follows the hypothesis to inspect the presentation results of Green Enterprising Orientation, Environmental Performance (R&D), and Environmental Performance (Revenue Issues) to carry out GSCM practices. This study gives observational proof to record to the impact of key direction on the effective reception and implementation of the GSCM approach and along these lines beneficial outcomes on financial and natural implementation. In this study GSCM is a mediating. GSCM practices as a mediator positively impact between Green Entrepreneurial orientation and Environmental performance (R&D)-(Revenue Issues). Hereafter GEO and GSCM have become important

examination subjects these days. In this analysis the outcome shows that the GEO firm has soul, motivation, and environmental of creative drives and active position in their exercises and danger taking conduct to embrace new difficulties to make the natural society through GSCM practices. The GEO positively impact on Environmental practices (R&D). Also GEO positively impact on Environmental practices (Revenue Issues). Similarly GSCM courses additionally followed down a positive association with economical firm performance. Moreover the results shows that market direction speeds up the GEO execution exercises towards GSCM practices implementation. This analysis gives an extraordinary commitment to the GEO, GSCM writing and rules for business people and supervisors for fostering an environmentally economical society and demonstrate them an authentic association. It founds the framework for the chief professional also natural management examination to feature the significance of GSCM practice to further develop maintainability in activities.

References

- Abdallah, A. B., & Al-Ghwayeen, W. S. (2020). Green supply chain management and business performance: The mediating roles of environmental and operational performances. *Business Process Management Journal*, 26(2), 489–512. <https://doi.org/10.1108/BPMJ-03-2018-0091>
- Ahmad, A. F., & Karadas, G. (2021). Managers' Perceptions Regarding the Effect of Leadership on Organizational Performance: Mediating Role of Green Supply Chain Management Practices. *SAGE Open*, 11(2). <https://doi.org/10.1177/21582440211018686>
- Ahmed, A., & Nadruz, R. (n.d.). *Supply chain collaboration: Impact on collaborative advantage and firm performance*. <https://doi.org/10.1016/j.jom.2010.12.008>
- Al-Ghwayeen, W. S., & Abdallah, A. B. (2018). Green supply chain management and export performance: The mediating role of environmental performance. *Journal of Manufacturing Technology Management*, 29(7), 1233–1252. <https://doi.org/10.1108/JMTM-03-2018-0079>
- Ataman, D., & Federico, M. (2018). Compositional representation of morphologically-rich input for neural machine translation. *ACL 2018 - 56th Annual Meeting of the Association for Computational Linguistics, Proceedings of the Conference (Long Papers)*, 2, 305–311. <https://doi.org/10.18653/v1/p18-2049>
- Carberry, D. M., Picco, L., Dunton, P. G., & Miles, M. J. (2009). Mapping real-time images of high-speed AFM using multitouch control. *Nanotechnology*, 20(43). <https://doi.org/10.1088/0957-4484/20/43/434018>
- Carlson, L. A. (2018). *Social sustainability in the ready-made-garment sector in Bangladesh: an institutional approach to supply chains*. 21(2), 269–292. <https://doi.org/10.22434/IFAMR2017.0114>
- Choi, D., & Hwang, T. (2015). The impact of green supply chain management practices on firm

- performance: the role of collaborative capability. *Operations Management Research*, 8(3–4), 69–83. <https://doi.org/10.1007/s12063-015-0100-x>
- Cortes, A. F., Lee, Y., Cortes, J. D., & Liñan, I. (2021). Entrepreneurial Orientation in Supply Chain Management: a Systematic Review. *International Journal of Entrepreneurial Knowledge*, 9(1), 127–143. <https://doi.org/10.37335/ijek.v9i1.127>
- Covin, J. G., Green, K. M., & Slevin, D. P. (2005). Strategic process effects on the entrepreneurial orientation-sales growth rate relationship. *Academy of Management 2005 Annual Meeting: A New Vision of Management in the 21st Century*, AOM 2005, 57–81. <https://doi.org/10.5465/ambpp.2005.18778648>
- Dogbe, C. S. K., Bamfo, B. A., & Pomegbe, W. W. K. (2021). MARKET ORIENTATION and NEW PRODUCT SUCCESS RELATIONSHIP: The ROLE of INNOVATION CAPABILITY, ABSORPTIVE CAPACITY, GREEN BRAND POSITIONING. *International Journal of Innovation Management*, 25(3). <https://doi.org/10.1142/S136391962150033X>
- Fasan, M., Soerger Zaro, E., Soerger Zaro, C., Porco, B., & Tiscini, R. (2021). An empirical analysis: Did green supply chain management alleviate the effects of COVID-19? *Business Strategy and the Environment*, 30(5), 2702–2712. <https://doi.org/10.1002/bse.2772>
- Fatoki, O. (2019). *Entrepreneurship and Sustainability Issues Green Entrepreneurial Orientation and Firm Performance in South Africa* *. 7(1), 247–262.
- Golsefid-Alavi, M., Sakhdari, K., & Alirezai, A. (2021). A review of the literature on entrepreneurship and the environment: Opportunities for researching on the green entrepreneurial orientation. *Environmental Engineering and Management Journal*, 20(5), 819–839.
- Grande, J., Madsen, E. L., & Borch, O. J. (2011). The relationship between resources, entrepreneurial orientation and performance in farm-based ventures. *Entrepreneurship and Regional Development*, 23(3–4), 89–111. <https://doi.org/10.1080/08985620903183710>
- Green, K. W., Zelbst, P. J., Meacham, J., & Bhaduria, V. S. (2012). Green supply chain management practices: Impact on performance. *Supply Chain Management*, 17(3), 290–305. <https://doi.org/10.1108/13598541211227126>
- Guo, Y., Wang, L., & Xie, Y. (2018). Green Innovation , Green Entrepreneurial Orientation and Supply Chain Learning: Evidence from Manufacturing Firms in China. *MDPI Preprints*, May, 9–11. <https://doi.org/10.20944/preprints201805.0232.v1>
- Habib, M. A., Bao, Y., Nabi, N., Dulal, M., Asha, A. A., & Islam, M. (2021). Impact of strategic orientations on the implementation of green supply chain management practices and sustainable firm performance. *Sustainability (Switzerland)*, 13(1), 1–21. <https://doi.org/10.3390/su13010340>
- Hair Jr., J. F., Gabriel, M. L. D. da S., & Patel, V. K. (2014). Modelagem de Equações Estruturais Baseada em Covariância (CB-SEM) com o AMOS: Orientações sobre a sua aplicação como uma Ferramenta de Pesquisa de Marketing. *Revista Brasileira de Marketing*, 13(2), 44–55. <https://doi.org/10.5585/remark.v13i2.2718>
- Haque, M. Z., & Azmat, F. (2015). *Corporate social responsibility , economic globalization and developing countries A case study of the ready made garments industry in Bangladesh*.
- Hartmann, P., Iba, V. A., & Sainz, F. J. F. (2005). *Green branding effects on attitude: functional versus emotional positioning strategies*. 23(1), 9–29. <https://doi.org/10.1108/02634500510577447>
- Heydari, J., Govindan, K., & Basiri, Z. (2020). Balancing price and green quality in presence of consumer environmental awareness: a green supply chain coordination approach. *International Journal of Production Research*, 0(0), 1–19. <https://doi.org/10.1080/00207543.2020.1771457>
- Hossain, K., & Azmi, I. B. A. G. (2021). The effect of entrepreneurial orientation on the export performance of apparel industry. *Uncertain*

Supply Chain Management, 9(1), 11–20.
<https://doi.org/10.5267/j.uscm.2020.12.006>

Jermisittiparsert, K., Siriattakul, P., & Sangperm, N. (2019). Predictors of environmental performance: Mediating role of green supply chain management practices. *International Journal of Supply Chain Management*, 8(3), 877–888.

Katrakilidis, C., & Trachanas, E. (2012). What drives housing price dynamics in Greece: New evidence from asymmetric ARDL cointegration. *Economic Modelling*, 29(4), 1064–1069.
<https://doi.org/10.1016/j.econmod.2012.03.029>

Khan, I., Saeed, K., & Khan, I. (2019). Nanoparticles: Properties, applications and toxicities. *Arabian Journal of Chemistry*, 12(7), 908–931.
<https://doi.org/10.1016/j.arabjc.2017.05.011>

Kotchen, M., Kallaos, J., Wheeler, K., Wong, C., & Zahller, M. (2009). Pharmaceuticals in wastewater: Behavior, preferences, and willingness to pay for a disposal program. *Journal of Environmental Management*, 90(3), 1476–1482.
<https://doi.org/10.1016/j.jenvman.2008.10.002>

Makhlou, L. (2020). Impact of Green Entrepreneurship Orientation on Environmental Performance: The Natural Resource-Based View Perspective. *Research Square*.
https://www.researchsquare.com/article/rs-166004/latest?utm_source=researcher_app&utm_medium=referral&utm_campaign=RESR_MRK_T_Researcher_inbound

Yousuf, M., Marri, K., Sarwat, N., Aqdas, R., & Nadeem, S. (2021). Exploring The Nexus Among Green Supply Chain Management, Environmental Management, And Sustainable Performance: The Mediating Role Of Environmental Management. *Journal of Contemporary Issues in Business and Government*, 27(02).
<https://doi.org/10.47750/cibg.2021.27.02.201>

Zhu, B., Zheng, Y., Pham, A., Mandal, S. S., Erdjument-bromage, H., Tempst, P., & Reinberg, D. (2005). *Monoubiquitination of Human Histone H2B: The Factors Involved and*

Their Roles in HOX Gene Regulation. 20, 601–611.

<https://doi.org/10.1016/j.molcel.2005.09.025>