

Role of Business Resilience on the Relationship between Entrepreneurial Orientation and Business Performance in Times of Pandemic

Deepa Jawahar¹, Anju E N²

Assistant Professor

¹MES AIMAT, Kerala, India

²Sree Narayana Arts and Science College, Kumarakom, Kerala, India

ABSTRACT

Purpose – This paper aims to investigate the moderating role of Business resilience on the relationship between Entrepreneurial Orientation and family business performance during the Covid19 period. Pandemics, natural disasters, and economic down turns are significant challenges that native tourism and local family business face in developing countries.

According to previous studies, resilience has a paramount role in surviving an unstable environment. Despite the rising importance of the concept, there is a gap in research in the context of family businesses.

Design / methodology / approach– The data used in the article have been collected from the sample of 315 home stay family businesses in the coastal region of Kerala, India.

Findings – The relationship between Entrepreneurial orientation and Business performance is positively moderated by Business resilience. All the dimensions of Entrepreneurial Orientation except 'risk taking' positively influence business performance in the context of a family business in tourism.

Originality/value–This paper examines the effect of Business resilience, one of the most vital factors that keep the business ground-breaking and agile during turbulent times and the survival.

Keywords–Family business, Entrepreneurial Orientation, Tourism, Pandemic, Home stays, Family Resilience, Business Resilience

I. INTRODUCTION

The tourism sector has long been regarded as a highly vulnerable industry due to disasters and pandemics. Rapidly-spreading Covid-19 pandemics have created devastation of the global economy, especially tourism. Its effects continued in each segment of the tourism supply chain, including airlines, hotels, cruise companies, and other local tourism sectors like homestays.

The World Health Organization (WHO) ordered and advised travel restrictions to nations experiencing pandemic outbreaks (WHO & UNWTO, 2020, February 27), causing unimaginable harm to most rural tourism sectors, medium and small-sized enterprises whose livelihood is entirely dependent on tourists Chanel (2020). The outburst of Covid-19 has triggered terrific damage to more than 200 countries, and India is also one of them. India is the fifth-largest economy globally

and one of the fastest developing nations (Economic Survey 2019-20, 2020). Due to the pandemic, the Indian economy is highly affected, especially in the tourism industry in a large amount. According to the Ministry of international tourist arrivals in 2018, India ranked 25th globally and seventh in Asia and the Pacific. The sudden lockdown and travel restrictions have dramatically reduced tourist arrival and caused an unadorned impact on the livelihood of many people who depend directly or indirectly on the tourism sector.

In India, tourism initiatives like homestays are widely popular in many destinations, including Kerala, the southernmost part of the nation. Most of the homestays are owned and operated by families. Homestays frame livelihood as a source of income and employment for both the family and the tourists; it is an authentic experience of the country's socio-cultural richness

(Mbaiwa and Stronza, 2010, Tapies and Fernandez, 2012). The covid-19 pandemic has smashed them with great force and has jeopardized the existence of those family businesses. As a result of the crisis and its social and economic ramifications, family businesses face new difficulties focused on irreversible changes. Those homestay family businesses continue to operate by adapting the previously unknown changes to better business performance. The capacity of family businesses to be proactive, innovative, and risky initiatives, coined as entrepreneurial orientation (EO), has been linked to enhanced business performance (Rauch et al., 2009) that may help effectively respond to crises. Covid-19 pandemic. It is also crucial for family businesses to be resilient and adapt to challenge that threatens the whole function, development, viability and profoundly affect the wellbeing of communities, families, and children (Masten, 2018, Krappe, Goutas and Schlippe, 2011).

In this vein, prior studies have focused on the ability of a business to withstand turbulence and the capacity to find alternative resources to resilience (Gherhes, Vorley, and Williams, 2018). Most of the studies in tourism crisis have focused on the management of emergency and different ways in which the business responds to the crisis (Ritchie, 2004). Post-crisis recovery and strategies of business firms are areas where the literature covers well (Ndlovu & Heath, 2011). Conversely, only scant attention is paid to the effect crisis on tourism family businesses, and it needs to be investigated. Using the concept of livelihood and business resilience as a reference point, this paper contributes to two interconnected bodies of knowledge: Family Business and the Tourism Crisis.

This paper instigates by critically examining the existing research on Business resilience, Entrepreneurial orientation, and Family businesses; and contributing to filling the potential gaps in the existing literature.

Thus the main aim of this article is to analyse the moderating role of Business resilience on the relationship between Entrepreneurial Orientation and Business Performance in a pandemic crisis context.

II. LITERATURE REVIEW

2.1 Tourism Family Businesses in Homestays

One of the key challenges that family business scholars have when defining a family business is identifying whether a family business (FB) and a non-family firm are distinct (Chrisman et al. 2005). In a general understanding, a family business is a business that engages family members. But family engagement is a much broader term encompassing family ownership, governance management, and continuity through the generations (Handler 1989, Zachary, 2011). According to Astrachan (2003), the presence of family involvement does not imply that these businesses have the nature of family business; thus, he proposed familiness-power, culture

scale and experience. Nevertheless, family business scholars commonly choose the 'family involvement factor' to differentiate Family business and non-family business (Z and O'Regan, 2011, Pounder, 2015). Colli and Rose (1999) found that the family business involves at least two generations and is managed by either husband or wife or both Danes (2006). The majority of the family firms are in charge of day-to-day operations and determine the company's long-term objectives (Amann and Jaussaud, 2012).

Small to medium-sized family businesses constitute most tourism and hospitality businesses (Getz and Carlsen, 2005). So far, most tourism and hospitality research on small and medium businesses has focused on the importance of rural tourism and hospitality businesses like homestays (Polo-Peña et al., 2012). Tourism scholars have used different terms to describe small tourism accommodation like boutique accommodation, specialist

accommodation, homestay, quasi hotel etc (Pearce and Moscardo 1992, Slattery 2002). All these studies aim to develop a common characterization for a type of compact accommodation that strives to be like a hotel or stands in stark contrast to a hotel standard. Nevertheless, Pearce (1990) emphasized the home environment's importance in stay, and Stringer (1981) explained a fairly high degree of relationship between host and the guest, partly related to the small size of housing units. There should be a shared notion of a "homely" atmosphere. The experiential aspect of homestays includes intangible elements like the host's attitude, home, atmosphere etc resulted in an emotional and personalised connection of the guest. In short, both tangible and intangible factors of a homestay accommodation influence intrinsic value (McIntosh and Siggs (2005).

Homestays are the system of commercialising one's home to use residential space for making revenue. Homestays are the type of lodging that fits somewhere between the intimate settings of a friend's home but a strictly commercial kind of system like lodging facilities. Thus family-oriented entrepreneurship like homestays has to achieve corporate success through customer satisfaction and family interest satisfaction (Gabriella et al, 2020). Furthermore, a family business of a homestay driven by the goal of a vision of a business owned and managed by family members can be sustained through generations. In homestay accommodation, guests or visitors pay to stay in homes and associate with the family who lives in the premises, and the public space is shared to some extent (Lynch, 1996).

2.2 Entrepreneurial Orientation (EO)

The tourism sector is highly uncertain due to tourist preference, service processes, local products, etc. All of these characteristics emphasize the importance of Entrepreneurial Orientation. Because according to past literature, businesses with a high level of Entrepreneurial Orientation will be creative, innovative, explore opportunities in any conditions, and frequently outperform their competitor firms (Martin & Javalgi, 2016). EO firms should capitalise on business possibilities by assembling current resources in new and innovative ways (Tajeddini, 2015) to produce new products and services, access new markets, and serve new consumers (Hitt, Ireland, Camp, & Sexton, 2001).

The concept of EO comes from the literature of strategic management (Miller, 1983). It is a form of strategic orientation and strategy-making process that focuses on the entrepreneurial aspect (Hakala, 2011). It is characterised as the company's method, strategies, and decision-making activities to increase the value of its goods and services in response to consumer needs, which can contribute to improved results (Bing and Zhengping, 2011). EO proposes that certain entrepreneurial activities developed inside the business affect the performance and are

also competent to face the crisis (Covin and Slevin, 1991). Another aspect of EO is that its perspectives have been impacted by how it adjusts to the external environment (Miles and Snow, 1978). The EO is underpinned by several distinct yet interconnected factors, all of which influence the level of entrepreneurial focus within the company. These factors usually consider how creative the company is, how risk-averse, how adaptive to the worsening crisis, and how aggressive it is in identifying and pursuing new market opportunities (Roxas and Chadee, 2013).

The construct EO has been measured as unidimensional and as multidimensional (Covin & Lumpkin, 2011). In the past literature, EO refers to the basic domain of entrepreneurship defined as taking the risk, being creative, and being proactive (Covin & Slevin, 1989; Miller, 1983). According to Miller and Slevin, Entrepreneurial Orientation is focused on what is shared among the firms and is reflected in the shared variance of innovativeness, risk taking, and proactiveness, and Lumpkin and Dess proposed how a business firm can be different from other firms by adding two more dimensions- competitive aggressiveness and autonomy (Lumpkin and Dess, 1996). Nevertheless, Risk-taking, innovativeness, and proactiveness are the main dimensions considered by most research works (Hakala, 2011). These dimensional constructs are encompassing the entrepreneurial skill that has been extrapolated from the strategic management literature. The first dimension is innovativeness. Since it refers to the degree of innovation expressed in each new product, innovativeness is a term that is gaining traction among both practitioners and researchers (Balachandra and Friar, 1997). Innovativeness is used in a lot of studies to see how it relates to product results. Existing empirical evidence suggests that high-level product innovativeness is associated with higher product efficiency (Kleinschmidt and Cooper, 1991). It is regarded as one of the most critical strategic orientations for companies seeking long-term growth. Some scholars attempted to characterise innovativeness in terms of service as "the level of newness it has compared to the firm and the outside world" (Kleinschmidt & Cooper, 1991). In addition to being innovative and creative, a product or service must be unique in its market (Holbrook & Hughes, 1998). The second dimension of EO – Risk-taking refers to a company's tendency to engage in risky activities with the unknown implication. Risk-taking in the family enterprise has been analysed using various risk classifications, some of which are inconsistent. This means it has been related to the possibility of undesirable repercussions such as failure or organisation and performance hazards in business survival (March and Shapira 1987). Sometimes the risk can be venturing risk when it fails to meet performance targets and expectations. Many scholars in the family business have defined risk as to the family's reliance on cash flow (Martin and Lumpkin 2003). Risk-taking in family business is far different from non-family business, family businesses are willing to take the risk when their survival is threatened. There can be another risk of losing their control because of increasing debt, hiring a non-family member in strategic positions, etc. (Mishra and McConaughy 1999). In the aftermath of a tragedy, family businesses are unlikely particularly concerned about taking the risk because the effects of the event are expected to force them to focus on survival. Yet, the decisions made to avoid the business concern's death can significantly affect taking the risk. Thus risk-taking is associated with the propensity to invest resources in ventures where success is uncertain, and the cost of failure is high (Covin & Slevin, 1989).

Firms with a high level of EO in the tourism industry are more likely to be inventive and proactive in creating new tourism products and services to be more competitive and increase market share (Hjalager, 2010; Tajeddini, 2010). Bateman and Crant (1993) looked at the proactive aspect of entrepreneurship behaviour. According to them, proactivity is a person's proclivity for proactive activity. It is de

signed to discover differences in people's willingness to take action to change their surroundings. Proactive people see changes, seize them, take the initiative, and keep going until they achieve substantial results. On the other hand, people who are not proactive demonstrate the opposite patterns: they fail to see, let alone seize, opportunities for change. The proactive disposition is characterised by an inclination to initiate and maintain behaviour that directly impacts the environment (Bateman and Crant 1993). According to Buss and Finn (1987), proactivity is a vital attribute since it belongs to a group of action that impacts the environment. The proactive method, based on the interactionist viewpoint, considers that individuals build their environment (Fuller & Marler, 2009). EO's 'proactiveness' dimension is a significant driver of a firm's behaviour, since a company with a high level of proactiveness is less likely to be impacted by environmental factors (Prieto, 2011). Current study has measured EO with these three dimensional factors

2.3 Business Resilience (BR)

The term "resilience" refers to how people react to exogenous changes and shocks that force them to innovate (Williams & Vorley, 2014, p. 259). In the business world, resilience refers to an organization's ability to survive, adapt, and flourish in the face of adversity (Fiksel, 2006; Hamel & Välikangas, 2003). Although there is no strict understanding of resilience in organisational research, it describes a company's ability to execute situation-specific, resilient, and transformative activities when confronted with unexpected and intense events that threaten its long-term survival (Lengnick-Hall and Beck 2009). Resilience is usually described as a passive response to a catastrophe or as a pattern rather than a sequence of acts (Lengnick-Hall and Beck, 2003). "The ability to recover, spring back or return to prior circumstances after meeting issues or stresses," according to Barker (1999). Some studies distinguish between passive and active resilience, which involves detecting potential risks and taking proactive efforts to ensure that an organisation flourishes after a catastrophe. The ability of local firms and enterprises to respond to rapid change and shocks, according to Williams and Vorley (2014), is crucial for economic development. Businesses can adjust flexibly to changing environments, withstand exogenous shocks, and remain competitive, but the more rigidly they are organised, the less equipped they are to do so (Williams & Vorley, 2014). Billington et al. (2017) drew on the work of Lengnick-Hall, Beck, and Lengnick-Hall (2011), who identified three components of organisational resilience: behavioural, contextual, and cognitive. Internal routines of collaboration, adaptability, and habits of continual debate characterise a company's ability to pursue differently and potentially refute courses of action, known as "behavioural resilient." The term "cognitive resilience" refers to a mindset that allows companies to adapt to events in a multifaceted and creative way, moving beyond survival to find possibilities in adversity. The concept of 'contextual resilience' refers to the situation in which cognitive and behavioural resilience can be integrated and used and the construction of social capital through the formation and strengthening of reliable connections between people both inside and outside the business.

Resilient businesses can bounce back from disruptions and adapt, leading to significant changes in the overall business concept (Fiksel, 2006). Small businesses are more responsive to shocks than giant corporations because they are more flexible, adaptive, and innovative (Williams & Vorley, 2014, p. 258). Mainstream literature on crisis management considers resilience as a recovery to a previous condition of perceived 'normalcy' Scott and Laws (2006, p. 7). Another viewpoint is that resilience is seen as the ability to recover from a disaster by following the

steps of rescue, infrastructure repair, and market reconstruction (Scott & Laws, 2006, p. 8). Finally, the third aspect of resilience posits a fundamentally changed state as a result of a crisis. The company concept shifts dramatically and unpredictably, resulting in new operational procedures, new business partners and network relationships, new markets, new goods, and new governance sources and methods to deal with crisis circumstances. Yet, there is no clear definition of resilience in organisational research, it describes a company's ability to execute situation-specific, resilient, and transformative activities when confronted with unexpected and intense events that threaten its long-term survival (Lengnick-Hall and Beck 2009). Three features of resilient businesses are highlighted by Coutu (2002): (1) Taking a hard look at reality. These companies are realistic, even hopeful and optimistic, as long as their hope does not cloud their perception of reality. (2) The search for meaning, or a propensity to find meaning amid adversity. (3) Ritualized inventiveness, or the ability to make do with whatever is available.

Family businesses have a longer lifespan than non-family businesses, spanning many decades and, in some cases, centuries (Miller & LeBreton Miller, 2005). One reason for this durability may be a family firm's innate ability to cope with unpredictable shocks (Valeri, M. and Baggio, R., 2021) like financial crises, disasters, mass emergencies, and other adverse events, allowing them to operate over long periods of time without losing functionality (Chrisman et al., 2011). In the face of exogenous shocks, the value of long-term family interpersonal relationships indicates that family businesses can be among the most resilient. The intention to transition the company to future generations (Chua et al., 1999), as well as strong and long-lasting relationships between individuals who belong to the same family and who often share the same or coherent material and immaterial interests, are all unique features of family businesses (Lim et al., 2010).

As destinations struggle to maintain operations in the face of climate change and pandemics, tourism resilience has gotten much attention. As researchers investigate the idea of resilience and its utility for the tourism industry, many frameworks for tourism businesses and destinations have emerged. Resistant to climatic disruption, latitude (ability to alter operations), and precariousness are three dimensions of Becken's (2013) resilience system (proximity to the threshold). Orcheston et al. (2016) propose a two-dimensional structure for tourism organisational resilience: planning and community, and cooperation and creativity. Adaptive capability, or an organization's ability to respond to, learn from, and navigate change, is another term that has arisen in discussions about tourism resilience. Adaptive capability entails identifying and preparing for robust vulnerabilities and returning to a functional state following a catastrophe or case (Biggs et al., 2012). It would be more difficult for an organisation or system to return to a functioning or enhanced state if it lacks the adaptive ability and cannot cope with a disruption (Biggs et al., 2012). So from the literature, Business resilience has the highest role in withstanding a crisis. The current study has taken the moderating role of Business resilience in the EO and business performance relationship.

Business Performance (BP)

Future profit streams from existing operations are unpredictable in the context of rapid changes like COVID-19 pandemic, business model lifecycles, etc., and firms must constantly search for new opportunities. As a result, businesses may gain from implementing an EO (Rauch, Wiklund, Lumpkin, and Frese, 2009). EO has the potential to improve business performance. Regarding the measurement of business performance, in empirical investigations, Wiklund and Shepherd (2005) argue that incorporating diverse dimensions of performance is

beneficial.

As a result, it's more accurate and accessible to use a combination of financial performance and growth measurement scale (Kraus, Rigtering, Hughes and Hosman, 2012). In the academic literature, performance is a latent construct with various meanings. As a result of each definition emphasizing diverse perspectives, methodologies, and characteristics, there is no single recognised explanation for the performance. According to Hoque and Awang (2019), performance measurement is a branded system with a set of metrics used to quantify the efficacy and efficiency of a firm's actions. According to many authors, performance determines how well a company performs. Business performance is a multidimensional entity that can be assessed quantitatively and qualitatively. It is seen to be the result of good management practices and may be measured using various metrics, including efficiency, effectiveness, productivity, and growth. Performance refers to a company's ability to produce satisfactory results and actions (Davood & Morteza, 2012). High performance nowadays aids in the removal of roadblocks and creates a wider range of opportunities for the firm to thrive and compete effectively in the global market.

III. CONCEPTUALIZATION AND HYPOTHESES

The constructs in the study is anchored on contingency theory (Klaas et al, 2006). When looking at studies on innovativeness and business performance, Brown and McDonnell (1995: 9) indicate that firms should improve their existing services and procedures to maintain successful commercial operations. As a result, they should engage in innovation processes. Erdem et al. (2011) found that innovativeness had a beneficial impact on business performance in a study conducted among hotel managers. In a study done for Canadian SMEs, Raymond et al. (2013) found that enterprises' innovativeness capacity (product and process innovation) has a favourable effect on business performance. Aragon-Correa et al. (2007) concluded that innovativeness had a beneficial impact on business performance in a study done in Spain. Innovative businesses can use labour and finance market to bring potential benefits (Tellis, Prabhu, & Chandy, 2009). To put it another way, firm innovativeness encourages people to try new things, which can lead to new products, services, or processes. Organizations lacking the ability to innovate may devote time and resources to market research, but they cannot put their findings into reality. Adopting innovation is typically meant to improve a company's performance effectiveness (e.g., Damanpour, 1991). An organisation can change through innovation, whether in response to changes in its internal or external environment, or as a proactive effort to alter an environment. Firms must adapt innovation over time as environments change, and the most essential inventions are those that allow the firm to gain a competitive edge, so contributing to its performance (Henard & Szymanski, 2001; Porter, 1990). Our initial hypothesis emerges from this discussion

H1: Innovativeness will have a positive influence on family business performance

Proactivity keeps track of and monitors changes in the corporate environment, consumer preferences, and technological advancements (Lumpkin and Dess 2001). It also refers to seizing chances before the competitor does and taking action in advance of growing difficulties or future demand. According to Lumpkin and Henard, 2001 proactiveness improves a company's ability to foresee market shifts and expanding needs, be among the first to respond, and seize new opportunities and appear to be a

means of gaining a competitive edge. Proactiveness is related to a long-term perspective because it displays the kind of vision and future orientation associated with it. Environmental scanning and forecasting, for example, are frequently required to discover trends and anticipate demand changes. Firms that engage in such processes invest in the future; when opportunities arise, they will act quickly and efficiently (Light and Munk, 2016). Significantly, natural disaster disrupts family businesses' management routines, and resources, highly proactive family firms boost their adaptive capacities, giving them a performance edge in such a scenario (Stafford et al., 2013). When faced with a natural disaster, family businesses are forced to make several difficult decisions on a personal, familial, and economic level. Because these decisions are linked, it is believed that a proactive attitude in one element of the system will have a favourable impact on the others, sparking a chain of actions that will lead to restoration, rebuilding, and recovery (Marshall & Schrank, 2014). Proactivity is seen as one of the most important characteristics of EO in the family business setting, because family businesses are typically less bureaucratic and more flexible than non-family equivalents, allowing them to make decisions more quickly (Kets de Vries et al., 2004). Accordingly, we propose the second hypothesis of the study

H2: Proactiveness will have a positive influence on family business performance

The association between taking risks and performance, in particular, appears to be context-dependent. Entrepreneurial risk-taking is described as "the degree to which managers are willing to make big and risky resource commitments, i.e., those that have a reasonable likelihood of costly failures" as a core characteristic of entrepreneurial orientation (Miller & Friesen, 1978, p. 923). Risk-taking is distinct from "playing the odds" or "gambling," according to Shapira (1995, p. 126) and risk-taking is a critical entrepreneurial activity that can lead to success. March and Shapira (1987, p. 1415) suggest, however, that risk may be managed and controlled through the "engineering of risk-taking" and "risk management." On the other hand, family businesses are sometimes perceived as being afraid to take risks, seize opportunities, expand, and flourish. According to conventional wisdom based on rational economic principles, they are more risk-averse than their non-family counterparts. However, behavioural economics research has demonstrated that family enterprises' risk willingness or aversion is dependent on the scenario and how each scenario threatens these organisations' (Gomez-Mejia et al., 2007).

Similarly, Chrisman and Patel (2012) found that family businesses invest less in R&D than their non-family counterparts. However, when performance falls short of expectations, family businesses' R&D spending tends to rise, showing a greater willingness to take risks. Thus, in post-pandemic and disaster scenarios, family firms may be willing to accept the risk associated. On this ground, we propose the third hypothesis

H3: Risk taking will have a positive influence on family business performance

Resilient individuals are confident in their capacity to reach the current goal, resourcefulness, and determination to succeed despite substantial obstacles (Holland and Shepherd 2013). According to Bernard and Dubard Barbosa (2016), EO and Business Performance can be influenced by a number of characteristics of the resilient entrepreneur. More resilient entrepreneurs are more inclined to develop riskier strategies and make more difficult operational decisions than less resilient individuals, who are more prone to be discouraged by the difficulties of a risky environment. The endurance and motivation of the resilient entrepreneur are the precursors to proactive business decisions. Finally, resilient entrepreneurs

become more successful innovatorsovertime, pushingtheircompaniestoadoptnewandinnovativesolutionswhiledemonstratingtheability to adapt to a changing environment and creating the business conditions that allow thecompanytorespondtoenvironmentalchanges. Businessresilience, whichimprovesanentrepreneur'sabilitytocope withdangeranduncertainty(Bullough, Renko, andMyatt2014), andadoptstrategiesandcoursesofactionaimedatinves tinginrisky situationsmayhaveamoderatingeffect on EO and Business performance. Luthans, Vogelgesang, and Lester (2006) found thatresilience enhances an individual's confidence in their ability to achieve goals and amplifies theEO andinfluencein challengingor stressful situations. Wealso argue that EntrepreneurialresiliencemaymitigatethedetrimentalimpactonEOandbusinessperformance. Thusweproposethefi nalhypothesisof thestudy

H4: Businessresiliencemoderatestherelationshipbetweenentrepreneurialorientationandbusinessperformanceoffa milybusinessandtherewillbepositiverelationwhenbusinessresilienceishighand negativewhen thebusinessresilienceislow.

IV. MEASURES

Entrepreneurial orientation was measured using Avlonitis and Salavou (2007) questionnaire withthreedimensions:innovativeness,proactiveness,andrisktaking. Afive-pointLikertscalehasbeenused and ranges from 0 to 5, which assesses the overall entrepreneurial orientation. BusinessResiliencewasmeasuredusingstatementslikewhenI'minadifficultsituation;Icanusuallyfindmy way out of it. Subjective measures of performance have been used in this study to measurefamily business performance as widely used in family business research (e.g., Kellermanns et al.,2012a), because they provide and collect assessments that are more comprehensive than thoseproducedbyasingleperformanceelement(Rodríguezetal.,2004). Asareason, respondentswereaskedtocompare theircompany'sperformanceintermsofprofit,salesgrowth,cashflow,andnetworth growth to that of their two most significant competitors. Firms' age shows the number ofyearsthebusiness isoperationalandis usedasacontrolvariablebasedonthepriorliterature.

V. RESULTS

UsingIBMSPSSAmosversion25, hierarchicalregressionwasutilisedtoinvestigatethehypothesised moderation. Descriptive statistics, zero-order correlations and collinearity statisticsof the research variables were obtained prior to testing the models. The participants in this studywere 315 family business owners from the coastal region ofKerala, India(57 percent male, 43percent female). The participants' ages ranged from 25 to 65. With a mean age of 42.58 (SD =0.85).

Table1. ThescalesofreliabilityanalysisandCollinearitystatistics

| Variables | Tolerance | VIF | Cronbach'sAlpha | KMO |
|--------------------|-----------|-------|-----------------|-------|
| Ageof theFirm | 0.489 | 2.257 | 0.758 | 0.921 |
| Proactiveness(PR) | 0.895 | 1.457 | 0.854 | 0.725 |
| Innovativeness(IN) | 0.748 | 1.598 | 0.922 | 0.941 |

| | | | | |
|--------------------------------|-------|-------|-------|-------|
| RiskTaking(RT) | 0.945 | 1.678 | 0.821 | 0.846 |
| BusinessResilience(BR) | 0.824 | 2.458 | 0.856 | 0.816 |
| FamilyBusinessPerformance(FMB) | 0.841 | 1.874 | 0.758 | 0.812 |

Fromthetable1,itcanbeseenthatallthevaluesofCronbach’salphaandKMOvaluesaregreaterthan 0.7 and in the acceptable threshold value of above 0.7 ($\alpha \geq 0.721$), (Nunnally, 1978). Theanalysis of collinearity statistics shows that assumptions have been met, as VIF scores are below10 and tolerance scores are above 0.2 for all the variables (Hair, Anderson, Tatham, & Black,1995).

Table2.MeanandCorrelationMatrix

| Variables | Mean | 1 | 2 | 3 | 4 | 5 | 6 |
|------------------------------------|------|----------|---------|---------|--------|-------|---|
| 1 Ageof theFirm | 0.74 | 1 | | | | | |
| 2 Proactiveness(PR) | 3.02 | 0.030** | 1 | | | | |
| 3 Innovativeness(IN) | 3.47 | 0.020** | 0.585** | 1 | | | |
| 4 RiskTaking(RT) Business | 2.57 | -0.030** | 0.651** | 0.434** | 1 | | |
| 5 Resilience(BR) FamilyBusiness | 4.15 | -0.012** | 0.756** | 0.410** | 0.752* | 1 | |
| 6 Performance(FMB) | 2.85 | 0.475* | 0.486 | 0.587* | 0.457* | 0.684 | 1 |

Table2depictsthemeanandcorrelationmatrixforthedifferentdimensionsofentrepreneurial orientation, business resilience, and family business performance. ThemeanvaluesshowthatFamilybusinesshasalowrisktakingpropensityandmoderatelevelofproactivenessandinnovation.ThesefindingsarecongruentbythestudyofHabbershonetal,2002

The mean score of business resilience suggests that family business has a high levelresiliencerecapacityduringtimesofadversities.Furthermore,theresultsprovideacorrelation matrix ofthe three dimensions of EO, business resilience, firm age, andperformancetodemonstratetheinter-relationshipsbetween these constructs.Proactivenessand innovativeness is found to be positively linked with business resilience, and arestatisticallysignificantatthe1%level.Amongthedimensionsofentrepreneurialorientation, innovation alone does not have any significant relationship with businessresilience.Alsoestablishedisthefactthatthefirmageisnegativelycorrelatedtoproactiveness, innovativeness, risk taking, whereas the age of the firm is correlated tobusiness resilience. In addition, this study also revealed that proactiveness and innovationarepositivelycorrelatedtofamilybusinessperformance,whereasrisktakingisnegativelycorrelated.

Table3.AHierarchicalMultiple RegressionAnalysisForTheInteractionOf BusinessResilience AndEntrepreneurialOrientationInPredictingBusinessPerformance

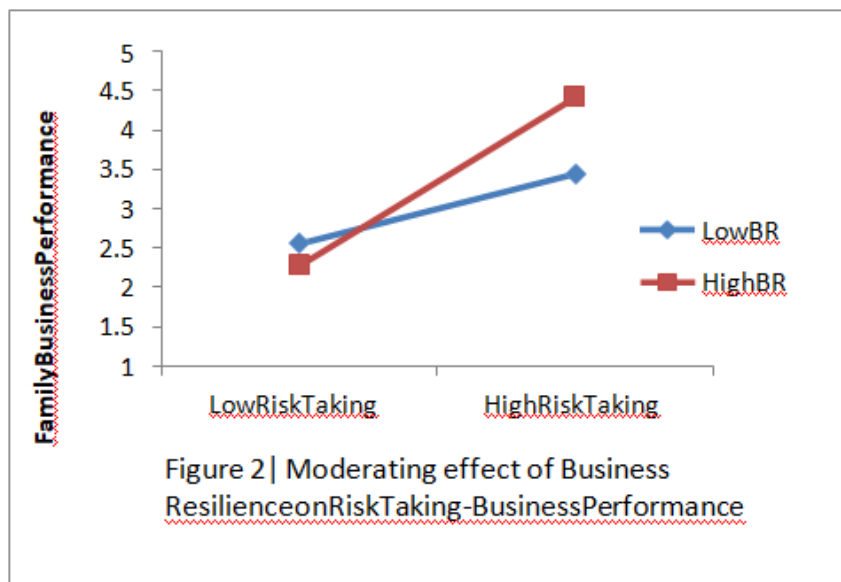
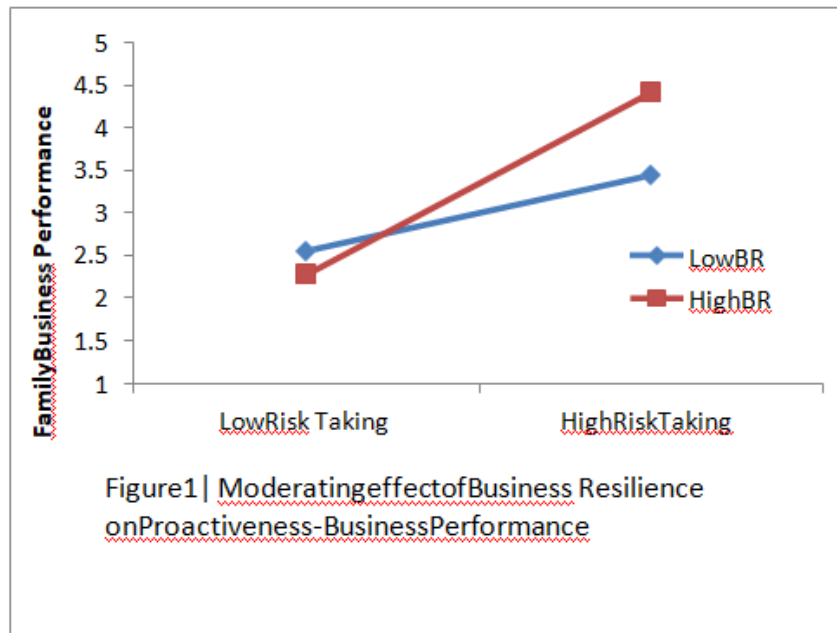
| Factors | Model1 | | Model2 | | Model3 | | Model4 | |
|------------------------------------|-------------|---------|--------------|---------|--------------|----------|---------------|---------|
| | Beta | T-Value | Beta | T-Value | Beta | T-Value | Beta | T-Value |
| <u>ControlVariables</u> | | | | | | | | |
| Constant | | 33.214 | | 10.12 | | 10.214** | | 4.235** |
| Age | -0.124 | -1.801 | -0.119 | -1.817 | -0.139 | -2.041 | -0.181 | -2.456* |
| <u>IndependentVariables</u> | | | | | | | | |
| Proactiveness(PR) | | | 0.218 | 2.989** | 0.125 | 2.456** | 0.445 | 3.124** |
| Innovativeness(IN) | | | 0.333 | 2.174** | 0.315 | 0.927 | 0.425 | 0.456 |
| RiskTaking(RT) | | | -0.279 | 0.989 | 0.156 | 2.089** | 0.245 | 2.121* |
| <u>ModeratingVariable</u> | | | | | | | | |
| BusinessResilience(BR) | | | | | 0.255 | 2.462** | 0.345 | 3.547** |
| <u>InteractionTerms</u> | | | | | | | | |
| PR*BR | | | | | | | 0.625 | 2.126* |
| IN*BR | | | | | | | 0.453 | 0.167 |
| RT*BR | | | | | | | 0.496 | 2.136* |
| <u>Parameters</u> | | | | | | | | |
| R ² | 0.014 | | 0.072 | | 0.095 | | 0.158 | |
| Fvalue(sig) | 3.26(0.072) | | 2.51(0.015*) | | 2.61(0.012)* | | 31.89(0.002)* | |
| R ² Change | | | 0.058 | | 0.023 | | 0.063 | |

Table 3 shows the results of hierarchical regression in model 1-4. Model 1 is designed to include only the control variable, the age of the firm and family business performance as the dependent variable. The results reveal that model 1 is insignificant $F < 0.05$. In the model 2 along with control variables independent variables (dimension of EO) were added. The overall model is significant as $F < 0.05$, and is valuable in predicting the family business performance. Thus the hypothesis H1 to H3 is addressed. However, the hypothesis H1 and H2 is supported and H3 is insignificant. It reveals that proactiveness and innovations are significant predictors of family business performance whereas risk taking is not significant. This is in view opposite to the studies of Owoseni & Adeyeye (2012) and Ngoze & Bwisa (2014) where risk taking is a potential predictor to improve financial performance. The moderating variable, business resilience, is added to model

3. The result depicts the overall significance of the model as the probability of F value is significant at 5%.

Generally, family Business firms are low risk takers compared to other businesses. Firms with high risk taking propensity tend to perform better than firms with low risk taking propensity. However, the study shows that risk taking is more intense with higher business resilience than periods characterized by low resilience in the case of family business. The addition of the moderating variable gave a little effect on the overall model and there is a significant increase in the prediction (R^2 Change is 23% $P < 0.05$). The moderating effect of

business resilience in the model is significant and is positive. In the 4th model, interaction terms are being added. The probability of the F value indicates that the overall interaction model (PR X BR; IN X BR; and RT X BR) is significant, and is good predictor of family business performance. 63 % of variance is explained by the addition of interaction variables in the model. Thus model addresses the hypotheses 4. Business resilience showed a significant moderating effect for proactiveness ($\beta = 0.625$; $P < 0.05$) and risk taking ($\beta = 0.496$; $P < 0.05$) only. This proves that business resilience had moderating effect on the relationship between proactiveness and family business performance and risk taking and family business performance relationship. The moderating effect of the significant interaction terms are replotted in the figure 1 and figure 2.



As seen in figure 1 family business with high risk taking propensity perform better than low risk taking propensity, and this performance increases significantly when business resilience is high. This is in line with the study of Brownhilder, N. (2016). Figure 2 portrays the interaction

between proactiveness and business resilience. It depicts that high proactive family business perform higher than the business having low proactiveness when the business resilience is high and vice versa.

VI. IMPLICATIONS

It is generally emphasized that one approach to improve a business's success is to embrace appropriate entrepreneurial behaviour. In this light, EO has risen in importance as a critical concept in understanding how family businesses operate, grow, and thrive in an uncertain environment. The finding that just sure of the EO Dimensions have a substantial effect on family business performance suggests that EO Dimensions may have uneven relevance in encouraging firm success at different stages of growth. This is consistent with Lumpkin and Dess (2001) and Brownhilder, N. (2016) contention that different EO factors impact firm performance differently to varying stages of the company's lifecycle. In contrast to the existing evidence, risk taking is not a significant predictor in the case family business. Even though most entrepreneurial literature focuses on these three dimensions of EO, very little attention is paid to risk taking in the family business in the Indian and developing countries. This study provides family business owners with the new insights on EO dimensions that can help them to boost their business.

In addition to this it is also found that when business resilience is high the risk taking is more and enhances business performance. When resilience is more for the family business they are ready to take more risk which can turn into better performance in the adversities. Additionally, it is observed that business resilience positively moderates proactiveness; this is because when a firm is resilient, they tend to focus more on identifying and evaluating the new opportunities and monitoring the market trend to meet the future trend. This may also be a reason why innovation is low, and their focus will be on meeting unexpected situations. The results may impact the current pandemic situations, and worldwide lockdown as this study is conducted during the pandemic. When researching hostile business situations, future studies must consider the varied roles of the three dimensions of Entrepreneurial Orientation.

VII. REFERENCES

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