Organizational Justice, Leader Humility, and Service Employees’ Innovative Behavior in a Collectivistic Culture: The Case of Pakistan

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Abstract

Purpose – This study serves two purposes: first, it analyzes the effects of the overall perception of justice in service industry organizations on their employees’ innovative behavior; second, it investigates whether leader humility moderates the relationship between the aforementioned constructs.

Design/methodology/approach – This study is quantitative in nature. A cross-sectional survey method was used to collect data from 359 respondents, and a PROCESS macro for SPSS was used for the moderation analysis.

Findings – The results show that employees who perceive fairness within their organization will reciprocate with innovativeness and that humility is a positive factor that increases innovative behaviors.

Originality/value – Few studies have addressed the effect of the overall perception of justice on individuals’ innovative behavior in service industries in developing economies and collectivist cultures. There is also a lack of empirical support regarding the role of leader humility in employees’ innovative behavior. This study provides new insights into service employees’ innovative behavior in a collectivist society and has implications for managers working in the services sector.

Keywords – justice; service employees’ innovative behavior; leader humility; collectivist culture; developing economy

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1 Introduction

Due to the fast-changing environment of recent years, organizations have been increasingly adopting and applying innovation (Li & Hsu, 2016; Quintane, Casselman, Reiche, & Nylund, 2011). In service industries, however, even though innovation is a key factor of firms' development and performance (Campo, Díaz, & Yagüe, 2014), the rate of innovation in the sector lags behind that of manufacturing, where a lot more attention continues to be focused on research (Axtell et al., 2000; Li & Hsu, 2016; Ramamoorthy, Flood, Slattery, & Sardessai, 2005). Consequently, there have been calls for research on the key factors related to innovative behavior in service firms (Li & Hsu, 2016; Sheehan, 2006).

Although a number of studies have investigated factors related to innovative behavior in services (Garg & Dhar, 2017), the sector's importance to developing economies has received little attention despite the significant role it plays in economic growth (Thakur & Hale, 2013). This study focuses on innovation in services in Pakistan, a developing economy (Ramírez-Pasilla, Brundin, & Markowska, 2017). Pakistan's growing services sector has drawn attention in recent years, particularly with the construction of the China-Pakistan economic corridor (CPEC) (Ministry of Finance, 2018b). The most recent Pakistan Economic Survey (PES) reports that the services sector comprises the highest share of the country's gross domestic product and has experienced stable growth over the two-year period from 2016 to 2017 (Ministry of Finance, 2018a). In order to enhance or maintain a similar level of growth, the sector must improve its services through innovation. For this to occur, various supporting factors must be in place.

Innovative behavior in services may depend, in part, on perceptions of the exchange relationships within an organization (Young, 2012), where a benefit is conferred either in return for a comparable benefit received or for a benefit that is anticipated in the future. These exchange relationships may be economic or social in nature (Blau, 1964). For example, a relationship that consists of an economic exchange may be formal in nature and involve explicit legal sanctions; however, an exchange relationship that is social in nature may have unspecified returns, whether long term, intangible, or discretionary (Blau, 1964; Young, 2012). Exchange relationships within organizations could be developed through perceptions of organizational justice or the fair treatment of employees (Colquitt, Conlon, Wesson, Porter, & Ng, 2001; Cropanzano & Rupp, 2008; Young, 2012).

Perceptions of organizational justice may serve as stimulants to exchange relationships (Axtell, Haider, & Feng, 2016a; Momeni, Ebrahimpour, & Ajirloo, 2014) and have significant effects on work-related behaviors (Kerwin, Jordan, & Turner, 2015). Folger and Cropanzano (1998) note that perceptions of positive or negative fairness result in positive or negative outcomes, respectively. Similarly, Jakopčič and Sušanj (2014) point out that positive perceptions of fairness result in positive outcomes, whereas negative perceptions of fairness encourage destructive behaviors (Akram, et al., 2016a; Kerwin, et al., 2015; Priesemuth, Arnaud, & Schminke, 2013). Therefore, when employees perceive fairness in an organization, they exhibit innovative behavior in exchange.

Perceptions of organizational justice also differ across cultures (Chao & Moon, 2005; Conner, 2003; Young, 2012). Individualistic societies tend to value justice more than collectivist ones do (Mueller & Wynn, 2000). Consequently, the relationship between organizational justice and innovative behavior has not been extensively studied in non-Western settings and this factor's generalizability to a collectivistic society remains underexplored (Young, 2012).

Shalley and Gilson (2004) note that innovation does not occur in isolation, but rather when personal and contextual characteristics interact (Wang, Zhang, & Jia, 2017). In organizational settings, managers are traditionally the contextual factor and they usually decide on an idea's utility and innovativeness (Wang et al., 2017; Zhang & Bartol, 2010). In recent years, research on leadership has drawn greater attention, particularly regarding the role managers play as leaders (Afsar, Badir, & Saeed, 2014). Contemporary work settings are increasingly knowledge-based, so managers generally act as leaders who motivate employees to innovate (Afsar et al., 2014). Here, studies have focused on leadership styles and how these affect innovative behavior; however, leader humility as a leadership style that affects employee behavior has received little attention (Akram, Lei, & Haider, 2016b; Judge, Fryxell, & Dooley, 1997; Nusair, Ababneh, & Bae, 2012), although some studies have discussed its importance (Gonçalves & Brandão, 2017; Seijts, Crossan, & Carleton, 2017).

Managers who demonstrate humility enable their organizations to become adaptable and develop the necessary continuous transformations required for their
survival (Owens & Hekman, 2012). Similarly, a leader or organization that does not possess humility as a virtue exhibits a crucial weakness (Vera & Rodríguez-Lopez, 2004). One of the vital characteristics of humility is that those who demonstrate this trait encourage greater openness to experimenting (Owens & Hekman, 2012). This allows individuals to openly discuss and develop new ideas that aim to achieve a competitive advantage for the organizations they work for (Gonçalves & Brandão, 2017; Owens & Hekman, 2012). Additionally, humble leaders permit the trials and errors that come with nurturing innovative behavior among individuals and groups (Gonçalves & Brandão, 2017; Owens & Hekman, 2012). However, as most of the literature on leader humility is theoretical (Owens & Hekman, 2012), this construct lacks empirical support (Gonçalves & Brandão, 2017). In particular, the effects of humble human interactions on individuals’ innovative behavior remain obscure.

This research uses the lenses of social exchange theory (Blau, 1964) and signaling theory (Connelly, Certo, Ireland, & Reutzel, 2010) to analyze the constructs of organizational justice, leader humility, and service employees’ innovative behavior. These approaches see managers in organizations as signalers and employees as receivers. Managers signal which behaviors the organization values and rewards. If employees receive signals that their organization values certain behaviors, then they will tend to exhibit those behaviors. In return, they would expect positive reciprocal behavior from the organization, such as in a positive social exchange. Stinglhamber and Vandenberghe (2003) note that expectations of reciprocity may account for the achievement of organizational goals. When employees receive signals for open discussion, trial and error, and the development of new ideas, or if they perceive fairness and rewards, then they will reciprocate with innovative behavior.

In light of the above, this study has two objectives: first, it analyzes the effect of the overall perception of justice on service employees’ innovative behavior and, second, it investigates whether leader humility moderates the relationship between the two aforementioned constructs. The results of our empirical study contribute to the literature in five ways. First, the study addresses the call for research on innovative behavior in service industries. Second, the findings redirect the focus of scholars from each type of perception to the overall perception of justice and open up avenues for understanding the relationship between the overall perception of justice and innovative behavior in service industries. Third, the study advances the literature on the interactional effect of leader humility. Fourth, it enhances the understanding of the role of leader humility in service innovation in the context of Pakistan, which is both a developing economy (Ramírez-Pasilla et al., 2017) and a collectivist country (Hofstede, 2018). Fifth, the study advances the understanding of organizational justice and leader humility in the context of both social exchange theory and signaling theory.

## 2 Literature Review

### 2.1 Service employees’ innovative behavior

Innovative behavior identifies a problem (Larson, 2011), generates ideas related to the problem, finds possible solutions (Janssen, 2000), and implements useful ideas by turning them into reality (Scott & Bruce, 1994). Innovative behavior has been widely acknowledged in the literature and is considered a crucial resource in contemporary business environments. For example, innovative behavior enables organizations’ long-term survival as it allows them to attain competitive advantages (Akram, Lei, Haider, & Hussain, 2020). For organizations to encourage innovative behaviors, they must often rely on the innovation capabilities of individual employees (Castro & Guimaraes, 2020). Employees’ innovative behaviors are also categorized as positive deviant behaviors, since such behaviors enable individuals to deviate from existing norms and to challenge the status quo (creativity) (Wang, Liu, & Zhu, 2018) to achieve desirable outcomes that favor the organization and its stakeholders, or both. This positive deviancy is considered constructive deviance that is voluntary, discretionary, and extra-role behavior (Cohen & Ehrlich, 2019).

Innovative behaviors in service industries include both employees and customers (Lee & Hyun, 2016). On one side of the equation, employees are involved in identifying the problem, in the decision-making process regarding the problem, and in implementing a solution (Kesting & Ulhøi, 2010); on the other side, customers cognitively ascertain whether the services delivered meet their needs and, if so, they generate loyalty to the service firm (Yuan & Woodman, 2010). Service innovation may also help organizations achieve their goals and desired outcomes. For example, an innovation could eliminate obstacles to delivering a service by solving work-related problems (De Jong & Den Hartog, 2010). It could also...
make organizational objectives attainable by improving service processes (Enz & Siguaw, 2003). In addition, innovative behaviors in services contribute to increasing the quality of services, which could influence customers’ decision-making and enhance their satisfaction (Li & Hsu, 2016). Moreover, innovative behaviors in services could help an organization maintain an edge over its competitors, by making it difficult to duplicate a service, for example, which could result in retaining a competitive advantage (Ottenbacher, 2007). Likewise, innovative behaviors in services could benefit organizations by helping them improve their core competencies and, thus, their organizational performance (Li & Hsu, 2016). All of these factors point to the importance of innovative behaviors for service firms (Lee & Hyun, 2016); however, this factor is often neglected or receives little attention among service organizations.

The literature on innovative behavior also discusses creativity and refers to both concepts as close cousins (Perry-Smith & Mannucci, 2017). In most cases, the authors use both concepts interchangeably; however, they are distinct in nature (Li & Hsu, 2016). Creativity occurs when an individual or a group working together in an organizational setting introduces, produces, or presents a unique, novel, or useful idea; whereas innovation not only includes introducing a new or distinct idea but also implements the new idea within the context of the organization (Amabile & Pratt, 2016). A number of theorists explain the distinct nature and importance of each of these constructs. For example, scholars of creativity emphasize the generation of novel ideas, while scholars of innovation point to implementation as the primarily focus of the construct (Perry-Smith & Mannucci, 2017). Since the generation of a novel idea (creativity) must occur before it can be implemented (innovation), several scholars consider creativity as a precondition for innovation (Lukes & Stephan, 2017). Similarly, Schilling (2008) presents creativity as an antecedent of innovation; Ghosh (2015) discusses creativity as a prerequisite and starting point of innovation; and Oldham and Cummings (1996) consider creativity as a force that causes innovation. Consequently, innovative behavior is said to be an outward expression, one that extends to the final output and that produces actual benefits; thus, it constitutes both the generation and application of novel ideas (Larson, 2011; Li & Hsu, 2016).

Scott and Bruce (1994) were the first to conceptualize the idea of service employees’ innovative behaviors. Subsequently, different authors have provided some modifications to this concept (Hu, Horng, & Sun, 2009; Lee & Hyun, 2016). Kim and Lee (2013) note that service employees’ innovative behaviors (SEIB) can lie in the accumulation of new ideas whose aim is to address problems identified in the repeated failure of a service or services and the special treatment thereof. Similarly, Hu et al. (2009) note that SEIB can occur in the development of new service techniques, methods, and skills whose aim is to address service failures or to search for new avenues through which to provide a service. Hence, the extant literature discusses SEIB within two streams: (1) in resolving problems identified in services (i.e., repeated service failures) and (2) in introducing new methods, techniques, and skills to minimize or mitigate potential services failures. Each stream focuses on the provision of high-quality services to enhance the customer experience and the level of satisfaction within the services sector. Consequently, we define employees’ innovative behaviors in the services sector as intentional behaviors that generate and implement creative ideas that lead to the introduction of the novel processes, procedures, services, techniques, methods, and skills that help elevate the quality of services (existing and future), and raise the customers’ experiences and satisfaction to the next level.

This study conceptualizes SEIB at the individual level as intentional behaviors that introduce new processes, new ways of working, and new services (Hu et al., 2009; Lee & Hyun, 2016) through idea generation and implementation (Scott & Bruce, 1994).

### 2.2 Organizational justice

Organizational justice has received some attention in the field of organizational behavior, and researchers have validated its importance in the literature (Akram et al., 2016a; Spell & Arnold, 2007). Organizational justice is defined as employees’ perceptions of fairness within an organization (Greenberg, 1987). The three-dimensional model of organizational justice has been extensively studied, and it includes distributive, procedural, and interactional justice (Aguirar-Quintana, Araujo-Cabrera, & Park, 2020; Demir, Guney, Akyurek, Ugural, & Aslan, 2017; Hsu & Wang, 2015; Kerwin et al., 2015). The literature also includes a four-dimensional model that subcategorizes interactional justice into informational and interpersonal justice (Colquitt et al., 2001; Greenberg, 1990). There is also a five-dimensional model that identifies both temporal and spatial justice as new additional dimensions.
that supplement the earlier three-dimensional model (Akram et al., 2020). The literature often divides the concept of organizational justice into various types of justice and more finely defines it; for example, type one: distributive; type two: distributive and procedural; type three: distributive, procedural, and interactional; type four: distributive, procedural, informational, and interpersonal; and type five: distributive, procedural, interactional, temporal, and spatial (Akram et al., 2020; Greenberg & Colquitt, 2013).

In addition to the different types of justice, researchers have also studied the overall perception of justice within an organization (Abbas & Wu, 2019a; Ambrose & Schminke, 2009). Some even question the merit of focusing on specific types of justice and suggest only considering the overall level of justice (Ambrose & Arnaud, 2005; Cropanzano & Ambrose, 2001; Mohammad, Quoquab, Makhbul, & Ramayah, 2016). Some scholars note that the overall perception of justice provides a clearer and better understanding of justice within an organization (Abbas & Wu, 2019a; Mohammad, et al., 2016). This is because, in the case of injustice, employees generally share the same experience and are unlikely to worry about the different types (two, three, four, or five) of justice (Shapiro, 2001). Therefore, following the latter convention, this study considers organizational justice as the overall perception of justice, which is a unidimensional construct that defines individuals’ perceptions regarding the overall fairness within an organization as a whole (Abbas & Wu, 2019a; Mohammad, et al., 2016).

2.3 Leader humility

Humility is a complex construct (Morris, Brotheridge, & Urbanski, 2005) that not only includes different facets of behaviors but also behavioral tendencies (Gonçalves & Brandão, 2017). Humility enables one to have an honest understanding of one’s strengths and weaknesses; therefore, it can be thought of as the science of the self (Comte-Sponville, 2002). Similarly, humble people have the ability to self-exam, avoid being self-centered, and are well aware of their limits (Emmons, 2000; Rowatt et al., 2006). Additionally, humility means being able to assess one’s abilities and achievements within a given context (Richards, 1992). Humble people are able to more accurately assess not only their own characteristics but also the abilities of others (Peters, Rowat, & Johnson, 2011). In personality psychology, humility is considered a stable, positive, and enduring human trait that is influenced by situational factors (Peterson & Seligman, 2004; Tangney, 2000). Thus, humility is a virtue, it varies according to the situation, and a meta-attitude can develop (Owens, Rowatt, & Wilkins, 2012). Owens and Hekman (2012) examined and built the theory of leader humility. According to the authors, the three dimensions of humility are admitting personal mistakes, faults, and limits; understanding the strengths, weaknesses, and contributions of followers; and exhibiting teachability (Gonçalves & Brandão, 2017; Mao, Chiu, Owens, Brown, & Liao, 2019). Leader humility significantly raises employee satisfaction, loyalty, and trust; it also supports psychological freedom. Consequently, followers of humble leaders become confident, feel free to experiment using their own approaches, and contribute to solving future problems (Nielsen & Marrone, 2018; Owens & Hekman, 2012).

The concept of leader humility has been an area of interest to many researchers and practitioners (Luu, 2020; X. Wang, Li, & Yin, (in press); Yang, Zhou, Wang, Lin, & Luo, 2019) who have studied humility in a range of disciplines, such as organizational behavior and positive psychology at the team and organizational levels (Nielsen & Marrone, 2018). These researchers also argue that the interdependent and relational nature of business and leadership cannot be neglected; they posit that humility in leadership is crucial for organizations as it facilitates the achievement of positive outcomes at the individual, team, and organizational levels (Wang et al., in press). For example, in their study on humility, Wang et al. (in press) investigated 104 teams within five heterogeneous organizations in China. They found that humility among leaders encourages creativity at the team level through collective creative efficacy. Similarly, Luu (2020) analyzed humility among sales managers, using samples from two companies in Vietnam: a telecommunications company and a computer company. The study concluded that there is a significant, direct, and positive relationship between humility among sales managers and adaptive selling among their sales teams. Likewise, Yang et al. (2019) studied leader humility, using samples from the healthcare sector in China. They found that humility among leaders in healthcare is significantly and positively related to engagement and innovative behaviors among nurses.

Since there are few empirical studies on leader humility (Rego et al., 2017; Wang et al., 2017), its interactional effect also generally remains unexplored. Consequently, this study...
conceptualizes leader humility as a virtue (Owens et al., 2012) and analyzes its interactional effects.

### 2.4 Collectivist versus individualistic cultures

Culture differentiates members of one society from those of another; it is based on the shared beliefs, behaviors, and values of the individuals in a particular social group (Hofstede, 1991). Additionally, considering shared behaviors, Hofstede (2001) divides cultures into collectivism and individualism. Collectivist cultures value groups, whereas individualistic cultures value individuals (Hofstede, 2001). In collectivist cultures people consider themselves as part of a whole where the emphasis is on group membership and preferences remain integrated into family structures and prioritize group interests over personal ones (Triandis, 2001; Van Hoorn, 2015). In contrast, in individualistic cultures people prefer to only take care of themselves (e.g., by pursuing their own personal rights and goals) and their immediate family members (Van Hoorn, 2015). Likewise, cooperation and group harmony are more important in collectivist cultures, whereas in individualist cultures the emphasis is on uniqueness and autonomy (Noon & Lewis, 1992). In line with the different approaches to fairness in different cultures, merit-based equity is considered fairer in individualistic cultures (Murphy-Berman & Berman, 2002). Extending this to experiences in the workplace, organizations in individualistic cultures place greater value on justice than those in collectivist cultures (Mueller & Wynn, 2000). In collectivist cultures emotions are contextualized to interact within the group and also to enhance group harmony; whereas in individualistic cultures emotions are considered an individual right and the expression of emotion is encouraged. Therefore, in collectivist cultures emotions are managed, while individualistic cultures emphasize emotional expression (Allen, Diefendorff, & Ma, 2014). Moreover, there are stark differences between how emotional ties are considered in each of these two types of cultures. In collectivist cultures emotional ties are highly valued for maintaining group cohesion; however, this is not considered as important in individualistic cultures. Additionally, in a collectivist culture leaders are highly valued for maintaining emotional ties and relationships with group members (Javidan, Dorfman, Luque, & House, 2006).

The national culture of Pakistan is considered collectivist due to its unique characteristics. In Pakistan, family ties are strong, a sense of collective interest remains intact and people like spending time together (Kashif & Khattak, 2017). In fact, all major life decisions are taken by seeking the consensus of all concerned. In general, decisions over buying a home, admission to a university, choosing a career, getting married, and medical treatments take into account the views and opinions of family members. In concurrence with Hofstede’s (2001) cross-cultural research, for people in Pakistan, the collective good takes precedence over pursuing individual interests. Similarly, Kim, Chung, and Suh (2016) note that collectivist values are also reflected in Pakistan's collectivist culture; i.e., people emphasize social relatedness, social roles, collective interests, and obligations to others. Pakistan's collectivist orientation is also reflective of the collectivist values highlighted by Minkov et al. (2017); i.e., its people strive to maintain harmony, achieve a high degree of group integration, discourage divergence from traditions, and emphasize interdependence. The collectivist mindset that guides decision-making in private life also influences decision-making in organizational life. For example, the behavioral intentions of employees working in Pakistan’s service organizations (e.g., fast food chains) are influenced by subjective norms (Kashif & Khattak, 2017). Similarly, unlike in individualist societies, in Pakistan's service organizations, employees maintain strong intergroup relationships, have tight social networks, and strictly comply with group decisions (Bashir, Khattak, Hanif, & Chohan, 2011). Therefore, the aforementioned national cultural characteristics categorize Pakistan as a collectivist society where collectivism influences people's personal and professional lives.

### 2.5 Model and hypotheses development

Innovative work is the result of the individual, discretionary, voluntary, and extra-role behaviors that come from motivational drive (Akram et al., 2016a). Janssen (2000) notes that organizational justice may serve as the motivational factor behind individuals' innovative behaviors. Additionally, he also notes that organizational justice may have positive or negative effects on employees' behaviors. For example, feelings of having been unfairly treated may lead to a decline in performance and less contribution to work (Momeni et al., 2014). Numerous studies have investigated the relationship between organizational justice and innovative behaviors. However, according to some researchers (Akram et al., 2016a; Hsu & Wang, 2015;
no single study has considered the overall aspect of organizational justice and its effect on employees’ innovative behaviors in the services sector in Pakistan.

Akram et al. (2016a) conducted research on telecommunications in China and found significant relationships between the types of justice and innovative behaviors. Similarly, Hsu and Wang (2015) conducted a mediation analysis, using organizational support, and found a positive correlation between organizational justice and innovative work behaviors, in that the higher the level of justice, the greater the innovative behavior. Likewise, Demir et al. (2017) also found that employees’ perceptions of organizational justice boost their confidence and satisfaction levels. Along the same lines, more recently, Akram et al. (2020) conducted mediation analyses, using knowledge sharing, and found that employees’ perceptions of organizational justice have positive and significant impacts on innovative work behaviors. Therefore, this study proposes its first hypothesis, as follows:

Hypothesis 1: Organizational justice has a positive effect on employees’ innovative behaviors in the service industry.

The relationship between managers and employees has been substantially discussed in the literature (Morris et al., 2005). Particular importance has been given to managers’ supportive behaviors toward employees (Hofstede, Bond, & Luk, 1993; Mariappanadar, 2018; Seers, McGee, Serey, & Graen, 1983; Teoh, Coyne, Devonish, Leather, & Zarola, 2016; Yiing, & Ahmad, 2009). For instance, when employees perceive that their leader is supportive, their work participation increases (Janssen, 2005). Similarly, Chao, Lin, Cheng, and Tseng (2011) found a positive relationship between a supervisor’s leadership and employees’ innovative behaviors. Nevertheless, the research on the effect of leadership on innovative behaviors is limited (Akram et al., 2016a; Noor & Dzulkifli, 2013). In particular, little attention has been given to leader behavior (i.e., humility) and its effect on innovativeness (Akram et al., 2016a; Mumford, 2003). Although both variables—organizational justice and leader humility—directly affect innovative behaviors, the literature on their interactional effect is sparse. This paper argues that the interactional effect of leader behavior enhances innovative behavior in services. However, although the organizational factor (i.e., organizational justice) may allow employees to pursue innovative behaviors, these people are rarely able to implement ideas on their own (Lukes & Stephan, 2017). Here, leadership plays an important role in helping employees implement their ideas (Binnewies, Ohly, & Sonnentag, 2007). Humble leaders, through their behaviors, facilitate employees’ discussions of ideas and this fosters creativity and leads to the implementation of novel ideas (Wang, et al., 2018; Zhou & Wu, 2018). Leaders with high levels of humility avoid disrespectful behaviors and are more likely to avoid competition with others (Richards, 1992). Similarly, they avoid taking a superior stance during communications with their employees and, instead, adopt egalitarianism (Morris et al., 2005). Consequently, we argue that the interaction between organizational justice and leader humility is more likely to enhance innovative behaviors among employees by forming supportive relationships. Along the same lines, Lee, Gizzarone, and Ashton (2003) also found an inverse relationship between exploitative behaviors and honesty/humility. They found that individuals who score higher on honesty/humility scales are less likely to harm others. Therefore, this study predicts that leaders with high humility tend to increase innovative behaviors in the services sector.

Hypothesis 2: Leader humility moderates the positive relationship between organizational justice and employees’ innovative behaviors in services, such that this positive relationship will be stronger with higher levels of leader humility.

Here, social exchange theory (Blau, 1964) and signaling theory (Connelly et al., 2010) are used as theoretical lenses through which to understand the relationship between the variables. The tenets of social exchange theory explain that the “reciprocal exchange” quality influences the socialization and psychological connectedness (Grace, King, & Lo Iacono, 2017). In essence, the theory weighs the potential benefits of these social relationships against their costs and risks. Similarly, the relationship between different entities, such as customers, employees, and managers, can also be analyzed along the lines of this theory. For example, the leader-member exchange and the coworker exchange are positively related to customer service (Kim & Qu, 2020). In addition, social exchange theory is also utilized to explain how important organizational resources influence employee engagement (Cooper-Thomas, Xu, & Saks, 2018). In the organizational context, employees have different types of knowledge and expertise, which they can leverage to bring about creativity and innovation. Their contributions to the organization come in the form of their novel ideas.
methods, and techniques. However, these factors will only flourish and develop under certain conditions, i.e., when employees perceive equity and justice within the organization. If employees perceive that they are being treated fairly in all aspects of their employment, then they may reciprocate with novel ideas. On the contrary, if employees perceive that they are not being treated fairly in major aspects of their organizational life, then they may reciprocate with lower or no motivation for making creative contributions.

Although signaling theory was initially proposed on the basis of observed knowledge gaps between organizations and their prospective employees (Spence, 1973), the theory was later adapted to many other fields, such as human resources management, business, and financial markets (Connelly, et al., 2010). In the organizational context, the theory postulates that managers send signals to their employees through their actions and behaviors. A manager’s actions represent what they value most for leadership and what actions are rewarded or punished. The theory also states that a leader’s behavior that is conducive to and signals support for employees’ creativity is based on humility. When employees perceive that their leader is humble and also recognizes their skills, values, knowledge, and strengths, their confidence in relation to trying out novel ideas may accelerate. Similarly, a leader’s behavior that embraces openness to learn from others and to seek or accept advice may also be conducive to their employees’ creative behaviors. Therefore, in the case of this research, based on social exchange theory and signaling theory, we contend that when employees perceive fairness within an organization, they reciprocate with discretionary behaviors and humility—positive signals that escalate their innovative behaviors.

In the overall research framework, regulatory fit theory can be used to explain how all of the hypotheses in this study can be integrated (Higgins, 2005). The theory posits that people get involved in activities for which they “feel right” and believe there is a “fit” (Higgins, 2005). The term “fit,” or regulatory fit, is a subjective evaluation of a persuasive message (verbal or non-verbal) that determines the recipients’ reactions (positive or negative) (Cesario, Grant, & Higgins, 2004; Cesario, Higgins, & Scholer, 2008). For example, Schwarz and Clore (1983) found that recipients infer a message positively when they feel right about it, and vice versa. Extending this assumption to service enterprises, this study predicts that the overall perception of justice will serve as a positive non-verbal message coming from the organization and that this will be reciprocated in a positive manner, such as in performing an extra-role behavior. In addition, the regulatory fit is also referred to as a motivational experience (Kruglanski, Pierro, & Higgins, 2007) that may consist of interpersonal determinants. For instance, Kruglanski et al. (2007) highlight the role of supervisors, teachers, and parents (people with power) in persuading their subordinates, students, and children, respectively, to perform activities and maintain a regular fit. In a similar manner, this paper predicts that humble leaders, through their behaviors (a non-verbal signal), can persuade their subordinates to embrace innovative behaviors and implement novel ideas. Furthermore, the literature on regulatory fit theory also suggests that when identical messages come from different sources this has a greater impact on participants (Cesario et al., 2004), meaning that similar positive messages from different sources send strong positive signals and yield favorable results in greater returns. Extending this concept to the services scenario, the current study also predicts that the interactional effect between overall justice and leader humility will foster innovative behaviors in a different way to either overall justice or leader humility alone. Figure 1 shows the framework of the study.

3 Research Methodology

This study is quantitative in nature and uses the cross-sectional survey method, using Google forms to collect the data. The potential respondents were individuals enrolled in an executive master of business administration program, where professionals can study at business schools in Karachi while continuing to work full time.

Prior to contacting the respondents, the author sought permission from the relevant authorities to collect the necessary data (i.e., program managers, course instructors, and coordinators). Next, a session was arranged for the respondents in which the researcher presented the purpose of the research and addressed concerns over confidentiality and anonymity. The researcher then asked the respondents who were willing to participate to provide their functional email addresses. A total of 431 email addresses were collected. In the following week, an email was sent out to these participants. It included the purpose of the research, a statement of confidentiality and anonymity, and instructions on how to access the survey questionnaire, via a secure link, and how to complete it.
The participants were given one month to respond and courtesy reminders were sent out on the 13th and 26th days of the survey. During the specified time period, we received 380 responses, representing a response rate of 88.16% (380/431). Respondents were excluded if they (1) were not full-time employees; (2) were self-employed; (3) were working in a family-owned business; (4) were not employed in the services sector; or (5) failed to submit a complete dataset, as these respondents may have negatively influenced the results. The final usable dataset consisted of responses from 359 participants, of whom 59% were male, 53.4% were between 30 and 34 years of age, and 76.6% were married. Subsequently, a power analysis was conducted using the software package G*Power (Faul, Erdfelder, Buchner, & Lang, 2009). The power analysis showed that the sample size was more than adequate for a moderate to large size effect, considering the input parameters $f^2 = 0.15$ (medium size effect), $p < 0.05$, power of the statistical test = 0.95 (whereas 0.80 is the traditional power), and the predictors = 3 (J. Cohen, 1977). Table 1 presents the respondents’ profiles.

The e-questionnaire comprised questions on 25 items, divided into four sections, marked as A, B, C, and D, respectively. There were five questions on demographics and five on SEIB, which were adapted from Hu et al. (2009); the six questions on organizational justice (considered as unidimensional) were adapted from Ambrose & Schminke (2009); and the nine on leader humility were adapted from Owens, Johnson, & Mitchell (2013). All items used for SEIB, organizational justice, and leader humility had been previously validated and recently employed by Lee and Hyun (2016), Mohammad et al. (2016), and Gonçalves and Brandão (2017), respectively. A five-point Likert scale was used, ranging from 1 = strongly disagree to 5 = strongly agree, for all measures. None of the items were tagged with an asterisk (mandatory to answer) except for the description section, which comprised the purpose of the research, a statement of confidentiality and anonymity, instructions on how to complete the questionnaire, and a statement that the participant was involved in the study of their own free will on a voluntary basis. The purpose of not tagging any item with an asterisk was to maintain the respondents’ free will at each stage. Also, to address ethical concerns, for the description section it was considered necessary to mark the questions as mandatory. The research instrument was finalized in consultations with two academics and three industry experts. Appendix shows the item codings and items for each variable used in this study. In light of the consultations, minor language changes were made and a pilot test was conducted. Based on the results of the pilot test, the questionnaires were adjusted and then disseminated. The purpose of the pilot study was to improve the quality and efficiency of the principal study. In line with this purpose, we conducted an initial pilot study to analyze the following: (1) the challenges in collecting emails and sending the survey links; (2) the refusal rate; (3) the

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**Table 1**

| Respondents profiles | N  | Percentage (%) |
|----------------------|----|----------------|
| Gender               |    |                |
| Males                | 212| 59.05          |
| Females              | 147| 40.94          |
| Age group            |    |                |
| 25-29                | 125| 34.81          |
| 30-34                | 192| 53.48          |
| 35-39                | 37 | 10.30          |
| 40-44                | 5  | 1.39           |
| Marital status       |    |                |
| Married              | 275| 76.60          |
| Unmarried            | 84 | 23.39          |
respondents’ ability to comprehend the instructions in the cover letter; (4) the respondents’ understanding of the terminology used, the questionnaire items, and the flow and sequence of the statements; (5) our understanding of the respondents’ responses (i.e., no response, multiple response, or incomplete survey); (6) the response times (i.e., the time respondents took to answer the survey email); (7) the time taken to fill out the questionnaire; (8) the respondents’ difficulties in terms of understanding the confidentiality and anonymity aspects of the study; (9) the language comprehension rate; and (10) the respondents’ supplementary comments (if any). The participants in this pilot study were professionals employed in the services sector. A special session was arranged to present the purpose and objectives of the research and the pilot study, respectively. Later, emails were collected from the participants who volunteered. The survey participants for the pilot study had a minimum of three years of job experience. Three years of experience meant these respondents could provide important insights into the different aspects of decision-making at their organizations. This level of experience also meant that the respondents were fairly conversant with organizational practices and how much their organization valued organizational justice and leadership support. Moreover, these respondents came from a variety of service industries, making it easier to generalize the results. At the end of the session, 45 respondents volunteered and emails were sent to their given addresses. The analysis of their responses did not indicate any major problems related to the e-questionnaire; however, minor language changes to a few items were recommended. Therefore, these amendments were added to the questionnaire so as to increase the comprehension of the questionnaire items in the study’s survey.

4 Data Analysis

First, the data were screened to detect any multivariate outliers; here, we calculated the Mahalanobis distance, the leverage, and the Cook's distance of the predicted variables (Kaliyaperumal & Kuppusamy, 2015; Rousseeuw & Zomeren, 1990). Next, we tested our data for the normality distribution assumptions and found that these were consistent. The maximum values for the skewness and kurtosis were less than 2 and 5, respectively (Curran, West, & Finch, 1996).

Next, a multicollinearity analysis was conducted using the variance inflation factor. All of the values were less than 2, which is substantially lower than the recommended threshold of 10 (Hair, Black, Babin, & Anderson, 2010). Therefore, multicollinearity was not a problem in our case.

We then performed an exploratory factor analysis (EFA) using the maximum likelihood method (Cudeck & O’Dell, 1994; Fabrigar, Wegener, MacCallum, & Strahan, 1999) and oblique rotation (promax) (Fabrigar et al., 1999) to verify that the research variable used in this study loaded on the same factors the authors proposed, these being organizational justice, SEIB, and leader humility. To extract the factors, items with eigenvalues greater than 1 and factor loadings greater than 0.50 were considered (Kaiser, 1974) as these thresholds achieve robust results and provide ease of interpretation. Similarly, factors with cross loadings, those not loading on their respective factors, and those not loading on any factor were dropped from the study (Ferguson, 1954). In our case, all items except for one had a factor loading lower than the decided threshold. Therefore, we decided to drop one item (item code: OJ4) from our study. Later, following Ferguson (1954), we re-ran the remaining items, seeking a more parsimonious factor structure, and found the three-dimensional factor solution with the highest loading on each factor (Hair et al., 2010). Kaiser-Mayer-Olkin (KMO) and Bartlett sphericity tests were taken into consideration to validate the loadings of the items on their respective measures. The results show that the KMO scores were high and within the range of acceptability. Similarly, the Bartlett test scores were also highly significant and within an acceptable range.

Last, we conducted a common method variance (CMV) analysis. Prior to considering the output of the extracted factors that were used to test for convergent and discriminant validity, we decided to verify whether CMV would be a problem for our data. We discerned that CMV may have existed since the data were collected on a self-reporting basis (Lindell & Whitney, 2001). According to Podsakoff, MacKenzie, and Podsakoff (2012), statistical and procedural remedies can be employed to reduce potential bias. Our study already incorporated procedural remedies; for example, as we provided assurance for confidentiality and anonymity (Konrad & Linnehan, 1995) and used validated scales, the results were less sensitive to potential bias (Dorty & Glick, 1998). However, as a statistical remedy, we used Harman's single factor test (Podsakoff, MacKenzie, Lee, & Podsakoff, 2003). We conducted an exploratory factor
analysis (EFA) for all of the extracted items; this allowed us to load on a single factor with no rotation. The CMV results show that the aforementioned problem was not an issue in our study as the variance explained by a single factor (27%) was less than the 50% threshold (Kutner, Nachtsheim, Neter, & Li, 1996).

We also performed a CFA to validate our model. The extracted factor output was analyzed using three factors and 19 items. Gerbing and Anderson (1988) suggested applying CFA using at least three items in each construct to obtain an effective measurement and analysis. Our extracted factor output was consistent as each construct consisted of more than three items. Based on the model of the study (three factors and 19 items), the results show a goodness-of-fit index (GFI) > 0.90, a comparative fit index (CFI) > 0.90 and a root mean square error of approximation (RMSEA) < 0.10. Hence, these conditions met the requirements of an acceptable model and indicated the unidimensionality of the factors (Hooper, Coughlan, & Mullen, 2008). Table 2 presents the indices of the CFA model.

We also calculated the Cronbach’s alpha, the composite reliability, the convergent validity, and the discriminant validity. The Cronbach’s alpha and the composite reliability indicated that the construct reliability should be ≥ 0.70 (Fornell & Larcker, 1981; Götz, Liehr-Gobbers, & Krafft, 2010). Similarly, for the convergent validity, the average variance extracted (AVE) should be > 0.50 (Götz, et al., 2010; Hair, et al., 2010; Rutherford & Hair, 1988). The discriminant validity was analyzed following the procedures recommended by Fornell and Larcker (1981). Table 3 shows all of the values for the Cronbach’s alpha, the composite reliability, and the factor loadings of each of the items and the construct.

Next, the descriptive statistics and correlation coefficients were derived. Table 4 shows the Pearson correlation coefficients, and the means, the standard deviations (SD), and the discriminant validity. All of the constructs were more strongly correlated to their own construct than with the other constructs.

5 Results

The PROCESS model (Hayes, 2012) was used to conduct the moderation analysis. The analyses of the main effect and the moderated relationships were tested independently in order to make the interpretations effective. Likewise, the interactions were analyzed using standard deviations (Hayes, 2012) by plotting the conditional effect(s) with the standard deviations of +/- 1. Moreover, to enhance the interpretability of the interaction effect within the range of data, all of the interactions were mean centered (Hayes, 2012). In addition, gender and marital status were considered as control variables during the moderation analysis, where gender was coded as (0 = “female”; 1 = “male”) and marital status was coded as

| Table 2 | Model fit indices |
|---------|------------------|
| Fit indices | GFI | CFI | RMSEA |
| Measurement model | 0.95 | .934 | 0.43 |
| Threshold | >0.90 | >0.90 | <0.10 |

| Table 3 | Factor loadings and reliability of the items and constructs |
|---------|-----------------------------------------------------------|
| Factor name | Items coding | Factor loading | Cronbach's alpha | AVE | CR |
| Service | ESIB1 | 0.83 | 0.84 | 0.71 | 0.92 |
| Employees’ Innovative Behavior (SEIB) | ESIB2 | 0.81 | | |
| | ESIB3 | 0.80 | | |
| | ESIB4 | 0.86 | | |
| | ESIB5 | 0.85 | | |
| Organizational Justice (OJ) | OJ1 | 0.85 | 0.79 | 0.71 | 0.92 |
| | OJ2 | 0.83 | | |
| | OJ3 | 0.88 | | |
| | OJ5 | 0.89 | | |
| | OJ6 | 0.72 | | |
| | OJ4* | - | - | - |
| Leader Humility (LH) | LH1 | 0.79 | 0.89 | 0.70 | 0.95 |
| | LH2 | 0.87 | | |
| | LH3 | 0.87 | | |
| | LH4 | 0.79 | | |
| | LH5 | 0.87 | | |
| | LH6 | 0.79 | | |
| | LH7 | 0.82 | | |
| | LH8 | 0.82 | | |
| | LH9 | 0.87 | | |

Note. *item deleted during EFA, therefore not considered for CFA.

| Table 4 | Correlations and discriminant validity |
|---------|----------------------------------------|
| Constructs | Mean | SD | SEIB | OJ | LH |
| SEIB | 3.43 | 0.94 | 0.84* | | |
| OJ | 3.62 | 0.82 | 0.22** | 0.84* | |
| LH | 2.76 | 0.82 | 0.18** | 0.14** | 0.83* |

Note. *Discriminant validity, **Correlation coefficients significant at 0.01 level
(0 = “single”; 1 = “married”). Table 5 and models 1 and 2 summarize the main effects of organizational justice on SEIB, and the moderating effect of leader humility on the organizational justice–SEIB relationship, respectively.

Our first hypothesis proposes that organizational justice (OJ) would positively affect SEIB in the services sector. Table 5 (Model 1) indicates that $H_1 (b = 0.262, p < .001)$ is accepted. Also, the overall model with the predictor is statistically significant [$F(1, 357)$ = 19.712, $p < .001$]. As shown on Table 5 (Model 2), the results for Hypothesis 2 also indicate that leader humility has a moderating effect on the relationship between organizational justice and SEIB in the services sector as the overall model is statistically significant [$F(5, 353)$ = 6.53, $p < .001$]. Similarly, the interaction between organizational justice and leader humility accounts for more variance than either of these two factors alone [$\Delta R^2$ = 0.0082, $F(1, 353)$ = 3.173, $p < .05$]. Hence, $H_2 (b = 0.144, p < .05)$ is also accepted, and the two-way interaction is plotted in Figure 2 (OJ x LH).

### Table 5

**Effect of Organizational Justice and Leader Humility on SEIB**

| Measures                  | Model 1     | Model 2     |
|---------------------------|-------------|-------------|
| Organizational justice a (OJ) | 0.26 ***    | 0.26 ***    |
| Leader humility b (LH)    | -           | 0.16 **     |
| Gender c                  | -           | 0.01        |
| Marital status d          | -           | 0.05        |
| F stat                    | 19.71***    | 6.53***     |
| Interaction: OJ x LH      | -           | 0.14 *      |
| $\Delta R^2$              | -           | 0.0082      |
| $\Delta F$                | -           | 3.17***     |

**Note.** a Predictor, b Moderator, c Mean centered interaction, d Control variables, ***$p < 0.001$, **$p < 0.01$, *$p < 0.05$**

### Figure 2

Conditional effect of OJ on ESIB at different levels of LH

### 6 Discussion

This empirical study supports all of the stated hypotheses and the results contribute in the following four ways. First, the study analyzes innovative behaviors in services, a topic that has received little attention in the literature as most research is conducted on the manufacturing sector. This study bridges this gap by addressing the call for research (Li & Hsu, 2016) on innovative behaviors in services and studies on SEIB at the individual level.

Second, as most research focuses on developed economies and individualistic societies, little is known about organizational justice in the context of a collectivist society in a developing country. As a result, this study considers organizational justice as a unidimensional construct and analyzes the effect of the overall perception of justice on SEIB in the context of Pakistan as a collectivist society and developing country. The results show that organizational justice has a positive effect on SEIB and the greater the perception of overall justice, the higher the SEIB. Hence, when the overall perception of justice is greater within the organization, employees working in Pakistan’s services industries tend to exhibit higher levels of innovative behaviors. This result is consistent with a study conducted in the hospitality industry in Taiwan that uses a three-dimensional model (distributive, procedural, and interactional) of organizational justice and three-dimensional innovative behaviors (idea generation, idea marketing, and idea practicing) (Hsu & Wang, 2015). However, in regard to Pakistan’s collectivist culture, this study provides some interesting insights. The results of the study are in line with perceptions of justice within workplace settings in individualistic cultures (Mueller & Wynn, 2000). This result suggests that in the services sector in a collectivistic culture such as that found in Pakistan, in particular, overall perceptions of justice are highly valued. Additionally, in services sector organizations in Pakistan, when individuals perceive there is justice they exhibit innovative behaviors at the individual level. This is also in line with collectivist values, such as having a sense of belonging, a shared identity, and resource sharing; further, these values translate into the positive emotions that form emotional ties with the organization and later serve as motivational drivers of behaviors that improve employees’ performance through their taking on extra roles (i.e., innovative behavior).

This study also makes broader contributions to the literature by validating the constructs of the behaviors.
Organizational justice, leader humility, and service employees’ innovative behavior in a collectivistic culture: The case of Pakistan

(OJ, SEIB, and LH) utilized in other geographical regions. First, organizational justice has also been studied in other countries in relation to different sectors. For example, the results of organizational justice in this study are also consistent with a study on Islamic financial institutions in Malaysia, where the perception of overall justice was found to be significantly and positively related to organizational citizenship behaviors (Mohammad et al., 2016). Additionally, the scale of the overall perception of justice has also been utilized in the educational sector, the food service industry, and medical organizations in the US, and has been found to positively affect organizational citizenship behaviors (Ambrose & Schminke, 2009; Mohammad et al., 2016). Moreover, Akram et al. (2016a) also studied different facets of organizational justice in relation to the telecommunications sector in China and found this to have a significant impact on the scale of three-dimensional innovative behaviors in this industry. Likewise, Akram et al. (2020) used knowledge sharing as a mediator to study a five-dimensional model of organizational justice in relation to the telecommunications sector in China and found that this has a significant impact on innovative behaviors in the industry. Second, studies on SEIB have been conducted on India’s banking industry and Korea’s airline industry. For example, Garg and Dhar (2017) found that leader exchange is positively related to SEIB in the public banking industry in India. Similarly, Lee and Hyun (2016) predicted SEIB-based self-esteem in the Korean airline industry. Third, the construct of leader humility has also been used in Portugal, Singapore, China, and the US. For instance, Rego et al. (2017) found humble leaders to be significantly more humble than transactional leaders in an experimental study using Portuguese and Singaporean samples. Similarly, in a sample of leaders in medical task forces in China, Wang et al. (2017) found leader humility to be positively related to employee creativity.

The results of this study are also consistent with studies conducted for different continents and regions. Many researchers have studied perceived organizational justice and leader humility in Asia, Australia, and Europe and found that perceptions of justice are analogous to the outcome variables. For example, Arici, Arasli, Çobanoğlu, and Hejraty Namin (2019) analyzed a three-dimensional model of organizational justice, using a sample from three- and four-star hotels in North Cyprus (intercontinental state). They found that the three-dimensional model of organizational justice is positively related to the outcome variable (i.e., job embeddedness) among frontline workers in family-run hotels. Similarly, Farid, Iqbal, Jawahar, Ma, and Khan (2019) used samples of healthcare workers in Pakistan (i.e., nurses) to study a three-dimensional justice model for a South Asian country. They concluded that all three dimensions have significant and positive relationships with organizational citizenship behaviors and work engagement in public hospitals. In the same vein, Abbas and Wu (2019a) analyzed overall fairness in Pakistan’s services sector and found a positive relationship with innovative work behaviors. Likewise, a study conducted on the telecommunications sector in South Asia also concluded that organizational justice (two-dimensional model) is positively related to organizational trust and negatively related to turnover (Farooq & Farooq, 2014). In the same vein, another study used a five-dimensional model to investigate the telecommunications sector in China and concluded that justice is positively associated with innovative behaviors (Akram et al., 2020). Further, Abbas and Wu (2019b) used a sample from Pakistan—a South Asian country—and found that leader humility is significantly and positively related to innovative behavior.

For East Asia, Lee, Kim, Son, and Kim (2015) used a four-dimensional organizational justice model on restaurants in South Korea and found that these dimensions are indirectly related and are mediated through affective and cognitive trust toward task performance that includes helping behaviors. Another study that used a two-dimensional organizational justice model compared China, South Korea, and Australia (Jiang, Gollan, & Brooks, 2017). The authors found that, first, organizational justice is positively related to affective organizational commitment through organizational trust, in that university employees in Australia pay somewhat more attention to distributive justice than Chinese and South Korean university employees do. Second, when Australian university employees perceive procedural justice, they are more likely to reciprocate in organizational trust and affective organizational commitment than Chinese and South Koreans are when they have the same perceptions. Third, irrespective of the culture (East Asian and Australian), procedural justice carries more weight in winning organizational trust than distributive justice does. Additionally, a meta-analysis that used a two-dimensional organizational justice model compared East Asians and North Americans (Li & Cropanzano, 2009). Here, the authors used a tripartite model of self-concept to study the links between perceptions of justice and the
four outcome variables of job satisfaction, organizational commitment, turnover intention, and trust. The study concluded that irrespective of the culture (East Asian and North American), employees pay attention to fair treatment in the workplace and may respond negatively when injustice is perceived within their organizations. In a comparative sense, Li and Cropanzano’s (2009) study found that the effect of the perception of justice on the aforementioned outcome variables tends to be greater among North Americans than among East Asians. The difference is due to the fact pro-social behaviors, social harmony, and relational self-awareness are embedded in East Asians’ collectivist culture. Moreover, Rego et al. (2017) used samples from China, Singapore, and Portugal to study humility in leaders and concluded that humble leaders significantly and positively contribute toward team performance. Keeping in mind the cultural differences between the three nations, the study by Rego et al. (2017) found no differences and concluded that the effect of humility among leaders on subordinates is identical across these three cultures. Therefore, humility among leaders may also be generalizable across cultures.

Considering Europe, Neveu and Kakavand (2019) studied a two-dimensional organizational justice model, using a public sector sample from France, and found an inverse relationship between perceptions of workplace justice and workplace corruption. Another study (Unterhitzenberger & Bryde, 2018) linked a three-dimensional justice model, using samples from the United Kingdom and Central Europe, to workplace project performance and concluded that all of the dimensions of justice are positively associated with project performance but that procedural justice has greater impacts than distributive justice and distributive justice has greater impacts than interactional justice. Additionally, Sarti (2019) studied a two-dimensional justice model for Italy and concluded that procedural and distributive justice are positively related to workplace engagement. Furthermore, Strobl, Niedermair, Matzler, and Mussner (2019) studied the relationship between leaders’ personality traits and innovative behaviors and found that leader humility is positively associated with innovative behaviors among executives in Austria.

Third, this study contributes to the literature as it analyzes the interaction effect of leader humility. Since most of the literature on leader humility is theoretical and lacks empirical support, this empirical study analyzes the moderating effect of leader humility on the relationship between organizational justice and SEIB. The results show that leader humility moderates the positive relationship between organizational justice and SEIB, such that high humility results in higher SEIB. Hence, leader humility plays a significant role in the services sector in Pakistan. Organizations that are able to maintain a perception of fairness may also benefit from leader humility in that leaders with greater humility serve as catalysts to SEIB. Indeed, when employees perceive fairness within their organization, leaders with high humility accelerate SEIB. The finding that humility is a catalyst to innovative behaviors is consistent with the collectivist pattern. For instance, in a collectivist culture, criticism is discouraged and cooperation is highly regarded (Goncalo & Staw, 2006; Tjosvold, Law, & Sun, 2003). Similarly, the concept of humility neither follows disrespectful behaviors nor has the intention to harm others (Richard, 1992) but strongly promotes teachability and extends cooperation to followers (Owens & Heckman, 2012). These supportive behaviors toward employees increase work participation (Janssen, 2005) and encourage employees to exhibit discretionary behaviors (innovative behaviors).

Fourth, this study emphasizes and confirms the role of social exchange theory, signaling theory, and regulatory fit theory by outlining the role of leader humility and the perception of overall justice in employees’ innovative behaviors. Theorists and practitioners have used social exchange theory as a theoretical lens through which to interpret social interactions among employees, organizations, supervisors, co-workers, and peers (Rupp, 2011). Also, different scholars have explained organizational support (Rhoades & Eisenberger, 2002), job satisfaction (Lavelle, Rupp, & Brockner, 2007), and organizational commitment (Klein, Molloy, & Cooper, 2009) through social exchange. Despite utilizing social exchange theory to interpret relationships and explain constructs, studies have rarely utilized this theory to explain how ties between an organization and its employees can have an impact on innovative behaviors in the services sector. This research highlights a basic assumption—the benefit of reciprocation in social exchange theory; it also explains the relationship between the overall perception of justice and innovative behaviors in services. The findings of the study suggest that employees positively reciprocate the justice they perceive. This result contributes to the literature in three ways. First, this study provides further evidence that connects the organizational factor of overall justice with employees’ observable innovative behaviors in services. Second, the study directs attention toward
firms operating in the services sector, from the point of view of both economic and social exchange. The study shows how service organizations can benefit from social exchange and encourage employees to assume behaviors where they take on extra roles. Last, the study explicates social connections or employees’ feelings of mutual trust, affiliation, and belongingness in the organizations they work for, which results in their adopting discretionary behaviors (i.e., innovative behaviors).

The literature has adopted signaling theory to explain firms’ financial abilities to investors (Zhang & Wiersema, 2009), their social values and demographic diversity to stakeholders (Miller & Triana, 2009), and their recruitment practices to prospective employees (Suazo, Martínez, & Sandoval, 2009). However, little attention has been given to leaders’ behaviors as signals, such as the concept of humility in leadership. The findings of this study show that humility serves as a positive signal that receives positive feedback (innovative behaviors) in the services sector. This result contributes to the literature in the following ways. First, as financial statements (Zhang & Wiersema, 2009), diversity (Miller & Triana, 2009), and policies (Suazo et al., 2009) are considered signals, similarly, employees also consider leaders’ behaviors as signals. Second, humility is a positive signal that stimulates employees to go the extra mile and perform extra-role behaviors (i.e., innovative behaviors). Last, humble leaders signal that there is an atmosphere of psychological freedom and workplace autonomy through behaviors that enable employees to implement novel ideas. Along the same lines, the results of this study are also consistent with regulatory fit theory. The findings conclude that employees positively reciprocate perceptions of fairness (social exchange theory) and perceptions of leader humility (signal theory) encourage employees to become involved in innovative behaviors. These interactions clearly indicate that when employees perceive higher leader humility, their involvement in innovative behaviors will increase, thus indicating that when one condition is present, then the other is amplified.

These results are found to be consistent with the literature For instance, Cesario et al. (2004) noted that indistinguishable messages from different sources (i.e., the organization and the leader) serve as strong signals that will have greater impacts on recipients than individual sources do (the organization or the leader); further, indistinguishable messages from different sources are reciprocated with actions that lead to greater benefits, such as employees becoming involved in developing creative solutions and implementing novel ideas. Similarly, in their study, Kruglanski et al. (2007) also found that different leadership styles strengthen the potential responses of employees (i.e., job satisfaction). This result extends the existing knowledge in the literature by defining innovative employees as the focus of promotion, which will lead to a high level of gains in advancements and accomplishments. When these employees feel right about their work situation, they will react positively to the messages (overall justice and humility) that are sent through different means (organizations and leaders). Putting this of all together, our findings suggest that when an organization maintains an environment of fairness and encourages humility in its leaders, this could stimulate innovative behaviors among employees and assist organizations in collectivist developing countries such as those in South Asia to reach their goals.

6.1 Practical implications

This study has practical implications for both academicians and practitioners in terms of some workplace conditions that can contribute to employees’ innovative behavior in service industries. The study also extends the predictive validity of the overall justice scale. The results emphasize the predictive role of the overall perception of justice in the context of service industries in Pakistan, a collectivist society and a developing country. Furthermore, researchers in South Asian countries can either adopt or adapt the scales of the overall perception of justice, leader humility, and service employees’ innovative behaviors because this study confirms the validity and reliability of the scales. The results also suggest important managerial implications. First, they emphasize the importance of fairness within organizations, such as in treating employees justly in work settings and maintaining an atmosphere of fairness within the organization. This positive perception of fairness will encourage employees to reciprocate by demonstrating discretionary innovative behaviors (SEIB); it will also help employees attain personal, departmental, and organizational goals. Second, employees should encourage humility in their leaders. Humble leaders serve as catalysts to SEIB. As shown in the results, a high level of humility boosts innovative behaviors among employees in that it encourages them to go the extra mile and demonstrate innovative behaviors in attaining organizational objectives. Moreover, managers are also strongly recommended to demonstrate some specific behavioral tendencies, such as: (1) a willingness to admit mistakes and encourage new
ideas; (2) paying attention to others by putting themselves in their place; (3) appreciating employees’ strengths and contributions; and (4) providing feedback and practicing openness. These tendencies, in aggregate, make leaders supportive and humble and reduce incidences of contextual uncertainties within the workplace. Ultimately, these behaviors will engage employees to undertake trial-and-error experimentation and foster innovative behaviors within their organization.

This study also presents important insights for organizations that are planning to invest in the services sector in Pakistan. Since the China-Pakistan economic corridor (CPEC) is making it attractive for overseas organizations to invest in Pakistan, this study plays a significant role in providing an understanding of innovative behaviors in services in a developing economy and a collectivist culture. It recommends that overseas companies consider instilling an environment of fairness within their organizations and that they pay attention to humility in leaders’ behaviors when operating within industries situated within a collectivist society. This may result in an increase in the level of innovative behavior among employees and this is something businesses need to achieve in the contemporary world.

6.2 Limitations and future research

This study is not free from limitations. First, it is cross-sectional in nature; therefore, the direction of causality is a matter that calls for attention. Second, the study sample is obtained from services sector organizations, which limits the generalizability of the results to other sectors. Third, the study only addresses the promotional focus of the regulatory orientation in regulatory fit theory. Last, the study hypothesizes regarding the impact of humility and perceptions of justice on employees of service organizations within Pakistan, the setting of a collectivist society within a developing country; thus, the findings cannot be extrapolated to other settings. Further, a careful analysis is recommended when generalizing the results to other collectivist cultures and developing economies. Future studies could replicate similar approaches for researching other sectors (i.e., manufacturing) when undertaking longitudinal studies in other Asian countries. Additionally, when conceptualizing a similar model, it is recommended that a comparative analysis between the services and manufacturing sectors analyzes the effects of leader humility in relation to both organizational justice and innovative behaviors.

7 Conclusion

This study empirically analyzes the effects of organizational justice on employees’ innovative work behaviors in the services sector in Pakistan, a collectivist society and a developing country. It also analyzes the moderating role of leader humility in relation to the aforementioned constructs, which is a less empirically studied concept. Studies on the said constructs are sparse and limited attention is given to the Asian context. Therefore, this research contributes to the literature by analyzing the impact of the overall perception of justice within an organization and leader humility on service employees’ innovative behaviors through the lens of social exchange theory and signaling theory. The study concludes that when employees perceive fairness within an organization, they reciprocate with discretionary behaviors. The findings also show that humility, as a positive signal, increases innovative behaviors. Further, in light of these findings, this study encourages managers to instill humility in relation to the way they conduct themselves within the organizations they work for.

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Appendix – Scale Used

| Factor name                  | Items coding | Items                                                                 |
|------------------------------|--------------|-----------------------------------------------------------------------|
| Service Employees’ Innovative Behavior (SEIB) | SEIB1        | I come up with innovative and creative ideas.                        |
|                              | SEIB2        | I try to propose my own creative ideas and convince others/customers. |
|                              | SEIB3        | I seek new service techniques, methods, or skills.                    |
|                              | SEIB4        | I provide suitable plans for developing new ideas.                    |
|                              | SEIB5        | Overall, I consider myself to be a creative member of this firm.      |
| Organizational Justice (OJ)  | OJ1          | Overall, I’m treated fairly by my organization.                       |
|                              | OJ2          | In general, I can count on this organization to be fair.             |
|                              | OJ3          | In general, the treatment I receive around here is fair.             |
|                              | OJ4          | Usually, the way things work in this organization are not fair.      |
|                              | OJ5          | For the most part, this organization treats its employees fairly.    |
|                              | OJ6          | Most of the people who work here would say they are often treated unfairly. |
| Leader Humility (LH)         | LH1          | My manager actively seeks feedback, even if it is critical.          |
|                              | LH2          | My manager admits when he or she doesn’t know how to do something.   |
|                              | LH3          | My manager acknowledges when others have more knowledge and skills than him or her. |
|                              | LH4          | My manager takes notice of others’ strengths.                        |
|                              | LH5          | My manager often compliments others on their strengths.              |
|                              | LH6          | My manager shows appreciation for the unique contributions of others.|
|                              | LH7          | My manager shows a willingness to learn from others.                 |
|                              | LH8          | My manager shows he or she is open to the advice of others.          |
|                              | LH9          | My manager shows he or she is open to the ideas of others.           |
Organizational Justice, Leader Humility, and Service Employees’ Innovative Behavior in a Collectivistic Culture: The Case of Pakistan

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