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**THE ROLE OF SOCIAL MEDIA IN PROMOTING INNOVATIVE  
BEHAVIOR AT WORKPLACE**

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**ABSTRACT**

*Personal social media use at work is usually deemed counterproductive work behavior reducing employee productivity. However, we hypothesized that it may actually help employees to coordinate work and non-work demands, which should in turn increase work-related innovative behavior.*

*We collect data regarding the usability dimension of employees in social media, and their innovative behavior, and examine the proposed model through Sobel test and hierarchical linear regression methods. Data for this study were gathered through questionnaire from insurance companies (State Life Insurance and Adam Gee Insurance) located in Pakistan using purposive sample.*

*The authors categorized social media usage into informational and socializing usage. The study confirmed the positive relationship of innovative behavior and social media usage for discussing, and sharing, information. The use of ideas in presence of cognition based trust leads to innovation that is crucial in modern professional world.*

*This study contributes to the knowledge on the role of social media usage to enhance innovative experiences. Practitioners must realize that social media usage should be differentiated with reference to the outcomes of its usage. For instance, using social media for social interaction should be encouraged because doing so may enable individuals to effectively grasp and transfer their experience for their personal development.*

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**Keywords:** Social Media, Innovative Behavior, Cognition Based Trust.

**INTRODUCTION**

In the modern business era of technology, knowledge sharing and innovation are extensively acknowledged as the critical competitive aspects that can significantly influence and foster the survival, outstanding performance, and adaptation of an employee (Ngai, Tao and Moon, 2015; Sigala and Chalkit, 2015; Palacios and Garrigos, 2006). This study is based on expectancy theory (Vroom, 1964) and equity theory

(Adam, 1963). Both of the theories explain the motivational force to get an outcome such as innovation in our case to be secured in his/her job in this challenging world. We integrated these two theories in order to explain the innovative behavior as an outcome. Employees using social media share their knowledge (Baumann, and Bonner, 2016) when they are assessing their equity as compared to the others at their workplace (Adam, 1963) in order to participate in such activities which lead to maximize their expectations they desire for just as innovative behavior (Purvis, *et.al.*, 2014.).

The aim of this study is to add new ideas in the existing literature. First, we elucidated the role of an employee in promoting innovation and facing the competition of sustaining innovation with adverse work situations (job insecurity when not contributing something new) when innovation becomes the only solution to save the career in the age of change. This approach prepares those employees who espouse social media and share knowledge is main focus of our investigation, with a particular concentration on how employees hesitate to share knowledge with their peers due to lack of cognition based trust (Yuan & Woodman, 2010; De Clercq, Dimov and Thongpapanl, 2013). Consequently, this influences their propensity to involve in knowledge sharing. In doing so, we act in response to current research calls to unpack insights of employees of using ideas coming from social site networks at their work climates and their influences on fuelling engagement in knowledge sharing and in formulating innovative behavior of workers (Corbett, Covin, O'Connor and Tucci, 2013; Hornsby, Kuratko, Holt and Wales, 2013).

Second, we accentuate that employees' engagement in innovative behavior must be taken in conjunction with, rather than in isolation from, use of social media (Baumann, & Bonner, 2016; Kühnel *et.al.*, 2017). Previous knowledge sharing research suggests that organizational lack of cognition based trust may hamper employees' propensity to share their knowledge and hence engage in actions that entail transformation and innovation (Kuratko, Hornsby and Covin, 2014; Brown, *et.al.*, 2001).

Third, we complement previous studies that have considered the influence of employees' knowledge sharing on their innovative behavior (Hornsby *et.al.*, 2013), by proposing that use of social media may play an indirect role and cognition based trust can enhance the positive effects of knowledge sharing. It prepares them to be prepared for complementary innovative behavior in challenging environment. Because this knowledge

sharing opens new horizons and puts forth new ideas to be adopted at work place.

#### **THEORETICAL FRAMEWORK AND HYPOTHESES**

##### **Social Media Usage at Workplace and Knowledge Sharing:**

Leonardi, Huysman, and Steinfield (2013:2), described social networking sites as “Web-based platforms that allow workers to (1) explicitly indicate or implicitly reveal particular coworkers as communication partners, (2) communicate messages with specific coworkers or broadcast messages to everyone in the organization, (3) view the text, messages, connections, and files posted , communicated, sorted and edited by anyone else in the organization at any time of their choosing, and (4) post, edit, and sort text and files linked to themselves or others”.

The interaction of various forms of knowledge (individual, collective, tacit and explicit) creates knowledge articulated by a knowledge sharing (Nonaka, Toyama and Nagata, 2000). This spiral reveals transformation from tacit knowledge to explicit knowledge in four manners: socialization, internalization, externalization and combination. Moreover, in socialization processes inter-personal knowledge sharing encourage people to process tacit knowledge, along with comprehending and adopting knowledge from others (Ngai, Tao and Moon, 2015). The tools of social media encourage people to be get connected, communicated and collaborated by self-organizing social networks (Chai and Fan, 2017). This engagement in conversational interactions and social feedback facilitate in many ways such as trust, coordination, knowledge creation and sharing within a community (Hemsley and Mason, 2012).

Undoubtedly, the use of social media usage empowers employees to enhance their knowledge at diverse phases of the knowledge generation-sharing process. For instance, information process may be created on Daily Motion and YouTube, argued and affected by web blogs, disseminated and extended through social networks and stowed and considered as a part of social capital and history (e.g. Wikipedia). This media characterizes the most effective distribution mechanism of information that enables users to use media for (co)-creating, sharing, knowledge debating and acquiring knowledge through sharing (Wagner and Bolloju, 2005; Sigala and Chalkiti, 2015). The social media usage accelerates and strengthens the inter-play and spiral processes between the cognitive processes and social system of an individual. So, common media serves as a central fuel for acquiring and creating knowledge. Critically, the social media usage emboldens users to participate actively

in knowledge creation (Kühnel *et.al.*, 2017). They debate, contribute and negotiate contents with others by using a collaborative and conversational approach. This approach supports understanding information, reflecting feedback and knowledge construction (Jonassen, 2000).

For instance, tools of social media are idiomatic technologies empowering them for sharing and creating knowledge through discussions and investigation (Jonassen, 2000; Wagner and Bolloju, 2005; Chai and Fan, 2017). People also get advantages through queries and responses, discussion, collective editing and storytelling on weblogs. Thus, the social media usage enhances the abilities of people for cognitive and knowledge creation by enabling them to manage knowledge in order to consider the social and contextual attributes of the knowledge. Keeping in view the above support from the literature we present the hypothesis as:

Hypothesis 1: Social media usage has a positive relationship with knowledge sharing.

#### **Knowledge Sharing and Innovative Behavior of Employees:**

With hypothesis 1 we can advance our moderated mediation model of usage of knowledge sharing and innovative behavior. Drawing from the two theoretical perceptions coming from previous literature on innovation, the social-political perspective based on Equity Theory and the efficiency-oriented aspect grounded on Expectancy Theory, in this study we investigate how an innovative behavior of an employee is influenced by his/her interaction through social media and his/her knowledge sharing with social channels, friends and peers at workplace keeping in view the expectation in mind as an outcome, (innovative behavior). Further, this knowledge sharing, as mediator, is shaped by cognition based trust. This study is one of the rare attempts to directly theorize and test the major predictor of innovation (gap identified by Ngai, Tao and Moon, 2015) associated with innovative behavior in service sector. By revealing this information this study also adds to perception of why employees need to be innovative in their workplace. Above discussion provides the ground for the following hypothesis.

Hypothesis 2 Knowledge sharing has positive relationship with innovative behavior

**Cognition-based Trust of Employees in Peers as a Moderator between Social Media Usage and Knowledge Sharing:** We propose

that trust in peers, mainly cognition based trust, is a construct that moderates the link between social media usage and knowledge sharing. Lack of cognition based trust is defined as one's consent to enhance his/her susceptibility to the activities of anyone whose behavior he or she may not be controlled (Mayer, *et.al.*, 1995). Particularly, cognition based trust states the rational and calculative characteristics such as integrity, reliability, responsibility and competence, – established by the trustees (Schaubroeck, Peng and Hannah, 2013; Sigala and Chalkit, 2015). Some previous studies on cognition based trust have shown the variances in the role played of cognition based trust in employees when they use networks and share knowledge (Ngai, Tao and Moon, 2015; Chua, Ingram and Morris, 2008). Chua *et.al.*, (2008) have found a positive association of cognition based trust with peers in professional atmosphere.

Having explained the unique role of trust in professional atmosphere, we present that the impact of social media usage and knowledge sharing are most intensely established when employees experience high perceived cognition-based trust in their peers. Since social media are taken a significant social resource to employees. Employees who use this media gain a high level of knowledge to share and it is perceived as more crucial and advantageous for employees (Purvis, *et.al.*, 2014). This sharing increases more when cognition based trust is high in their peers as compared to those when they experience low cognition-based trust in them. Access to beneficial job-related information, guidance, and direction that safeguard them from traumatic encounters through social media are the main benefits that employees gain from a high-quality links with peers are Previous research have revealed that social media usage enhances knowledge sharing among members and leads to find out innovative solutions to the problems (Piller, Vossen and Christoph 2015). Thus, when cognition based trust is high in peers, these benefits are perceived more beneficial and reliable.

A social environment of cognition based trust is broadly seen as necessary for escalating interaction and the likelihood of exchanging information between individuals (Ngai, Tao and Moon, 2015; Shin, Kim, Lee and Bian, 2012). For example, cognition based trust reveals a trustee's belief that a trustee will not act unscrupulously (Zhou and Hoever, 2014), rising their willingness to share useful and territorial information. Cognition based trust also increases the information exchange and ideas because faithful social conditions boost actors' beliefs that a present exchange will lead to later reciprocation in future (Coleman, 1990; Vroom, 1964). High levels of trust also enhance

employees' tendencies to pursue and offer help, growing the chances for exchange (Baumann and Bonner, 2016). A social environment of cognition based trust should encourage the exchange of useful ideas between core knowledge workers that will, in retort, lead to greater innovation. On the contrary, when cognition based trust is low, employees will be prudent about exchanging ideas and information with one another, and innovative one will suffer (Baumann and Bonner, 2016).

Hypothesis 3 Employees' cognition-based trust in their peers moderates the association between social media usage and knowledge sharing in such a way that this relationship is more pronounced when employees' cognition-based trust in their peers is high rather than when it's low.

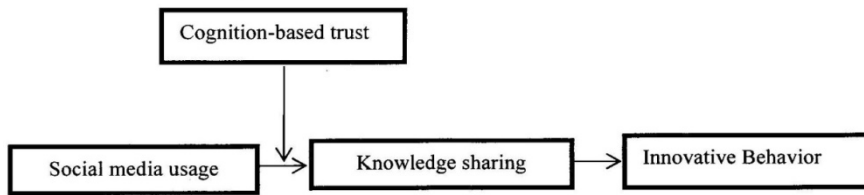
**The Mediating Role of Knowledge Sharing between Social Media Usage and Innovative Behavior:** The creativity model proposes that resources of information constitute a significant opportunity for an individual to be innovative (Amabile, 1988). If these resources of information "are already sufficiently rich to afford an ample set of possible pathways to explore during work engagement, the reactivation of this already stored set of information and algorithms may be almost instantaneous" (Amabile, 1988:139). The accretion of these informational resources is thus analytical to adopt innovative behavior and is pondered to be a primary level for the solution of real problem. Professionals can accrue those resources of information through sharing with their peers in the work environment. Through knowledge sharing process, the flow of resources among exchanging partners expedites innovative behavior of the employees (Ancona and Caldwell, 1992; Perry-Smith, 2006). Knowledge sharing is a reciprocal process both the giving and receiving information. Knowledge sharing with peers of same status increases one's job related information, which is critical for innovative behavior (Perry-Smith, 2006; Amabile, 1988; Wang, Fang, Qureshi and Janssen, 2015). By depending on knowledge sharing with peers, the value of their new ideas and solutions can be evaluated by employees. Sharing information may also develop innovative behavior such as divergent thinking. Employees are exposed to different ideas and ways of thinking when exchange the knowledge with peers inside and outside their work units, (Yuan and Woodman, 2010; Swati and Rajib, 2015).

Social media provides the opportunity for self-expression and gather knowledge when required (Lietesala and Sirkkunen, 2008;

Oliveira, Curado, Maçada, Nodari, 2015). This knowledge when shared leads to the solutions of many problems and directs employees to the new horizons to explore. Social media builds the foundations for the knowledge gaining and knowledge sharing that produces something new for individuals (Lietesala and Sirkkunen, 2008; Baumann and Bonner, 2016).

Hypothesis 4 Knowledge sharing mediates the association between social media usage and innovative behavior of the employees.

**Figure 1: Conceptual Framework**



## RESEARCH METHOD

**Research Setting and Participants:** Data for this study has gathered from employees who used social media in their daily routine. The sample was taken from insurance companies located in Pakistan. We collected data from State Life Insurance and Adam Gee Insurance companies. These employees are required to be innovative in their dealings all the time. They have to face people with different temperament and behavior. The purposive sample was used because we wanted to check the relationship between social media usage and innovative behavior. Employees who were not familiar with social media were not included. Information on individuals' innovative behavior, social media usage, knowledge sharing and cognition based trust were measured through web based online surveys from employees. The two academics and three professionals pre-tested the questionnaire to check its usability and content reliability. To evade the common source variance, we collected information on innovative behavior through supervisor ratings. All targeted employees and their supervisors were asked to provide a list of their particulars along with basic demographic information. In total, we identified 500 employees and supervisors.

We contacted employees working in private and public insurance companies. We identified 500 employees who used social media in their daily routine at their workplace. From 500 identified respondents 25 didn't show their consent for the study. Therefore, 475 employees were requested to participate in the study. From those 475 respondents 447



completed the survey, so the response rate was 89.4%. The final size of sample reduced from 447 to 300 because, we could not get data from all of the supervisors about their employees, it was essential to get the ratings on some variables from their supervisors. Overall 100 supervisors provided the ratings for this final sample, each of whom rated a median number of 3 employees.

**Measures:** The survey of this study was comprised of measures those were designed to detain the various aspects of the concepts being investigated in this study, social media usage, cognition based trust, knowledge sharing and innovative behavior. All of the items in the questionnaire used Likert scale given under every measure described below.

**Use of Social Media:** We measured this construct through 3 item scale developed by Correa and Zúñiga (2010). This scale has been further used and validated by DeAndrea *et.al.*, (2012) that rated the frequency of usage of the following applications by the respondents: social networking sites and instant messages. On a 10-point response scale, employees were directed to rate how frequent they are in using the social media like writing messaging and browsing social networking sites to enhance their social capital, where 1= rare and 10= often, then we averaged scores across all items responded by each participant ( $\alpha$  .67).

**Cognition Based Trust:** To derive the instrumentality scores on cognition based trust, we asked employees to report the extent to which they agreed with given 5 items (developed by McAllister, 1995) to be associated with the trust in their peers while using social media. This scale was also validated by Wang *et.al.*, (2014). Particularly, employees first read the item such as “Given this person's track record, I see no reason to doubt his/her competence and preparation for the job”. Then they were asked to report their answers at five point likert scale (1=strongly disagree to 5= strongly agree). Values of all items were divided by the total six items ( $\alpha$  .76).

**Knowledge Sharing:** This variable was measured by using the five item knowledge sharing scale (Bock & Kim, 2001). Reinholt *et.al.*, (2011) further used this scale. Sample item include. “I will share my knowledge with more organizational members” and employees reported the items on a scale ranging from 1 (“strongly disagree”) to 7 (“strongly agree”) and then averaged ( $\alpha$  .73).

**Innovative Behavior:** This construct was measured with five items developed by Scott and Bruce (1994) including “Generates creative ideas”; “Promotes and champions ideas to others” etc. Wisse *et.al.*,



(2015) also used and validated this scale in their study. Supervisors valued the occurrence with which an employee's innovative behavior had gone certain stages of execution, changing existing policies and strategies. At five point likert scale ranging from "not at all" to "to an exceptional degree." We averaged responses to create an indicator of innovative behavior ( $\alpha .70$ ).

## RESULTS

From 447 employees 315 were married and 132 were single. The sample comprised of 271 males and 176 females. 195 employees were 20-30 years old, 117 were in the age group of 31-40, 74 were in the age of 41-50 and the rest 61 were above 50 years old. Most of the employees got their masters (i.e. 209), 158 were holding MS/ Mphil degrees and 80 were PhDs.

Table 1 presents the means, standard deviations, reliability coefficients, and correlations of the measured constructs for this study. A careful analysis of the zero-order correlations stipulates preliminary support for our hypotheses, with knowledge sharing being significantly associated with its hypothesized variable, social media usage ( $r = .73, p < .01$ ), and hypothesized outcomes, innovative behavior of employees ( $r = .67, p < .01$ ).

**TABLE-1**  
**DESCRIPTIVE STATISTICS, ZERO-ORDER CORRELATIONS & ALPHAS**

S #	Mean	SD	1	2	3	4
1	Social Media Usage	3.95	.52	(.68)		
2	Cognition Based Trust	3.78	.34	.09	(.85)	
3	Knowledge Sharing	4.15	.46	.73**	.05*	(.73)
4	Innovative Behaviour	3.92	.46	.67**	.19**	.67** (.70)

\*\*  $p < 0.01$  level, \*  $p < 0.05$  level

Table 2 presents the results for hypotheses 1 and 2. The impact of social media usage was displayed on innovative behavior via knowledge sharing. We can see from table 2 the direct effect (PMX) is significant ( $\beta = 1.03, p < .01$ ) and thus our first hypothesis is supported as it states that there is a significant influence of social media usage on our regressed construct (knowledge sharing) and get support for our first hypothesis. The indirect effect of knowledge sharing (PMY\*PMX) is significant for prognostication of innovative behavior (1.04,  $p < .01$ ) it is greater than the direct effect and depicting the significant role of mediating construct (knowledge sharing). After including the indirect effect through knowledge sharing  $R^2$  was changed from .54 to .78 describing the additional variation explained by knowledge sharing by .24. The next

impact of knowledge sharing on innovative behavior (PYM) is significant ( $\beta=1.01$ ,  $p<.01$ ) and this provides the support for second hypothesis. Thus, these results furnished a significant support for first two hypotheses. Furthermore, the results of table 2 also furnish the significant support for mediation (PMX\*PYM) hypothesis 4 ( $\beta=1.04$ ,  $p<.01$ ) and explain that knowledge sharing partially mediates the relationship of social media usage and innovative behavior.

**TABLE-2**  
**PATH ANALYTIC RESULTS – DIRECT, INDIRECT, AND TOTAL**  
**EFFECTS OF SOCIAL MEDIA USAGE ON INNOVATIVE BEHAVIOUR**  
**(THROUGH KNOWLEDGE SHARING)**

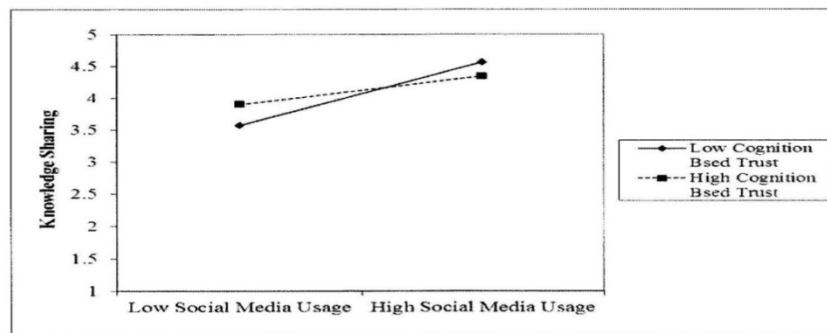
	PMX	PYM	Direct Effect PXY	Indirect Effect PMX**PYM	Total Effects (PYX+PYM*PMX)	$\Delta R^2$
Social Media Usage	1.03**	1.01**	.57**	1.04**	1.61**	.24

**Note:** \*n=474. PMX=path from X (Social Media Usage) to M (Knowledge Sharing), PYM=path from M to Y (Innovative Behavior), PYX=path from X to Y,

\*\*  $p<.01$ , un-standardized beta coefficients are reported

Consistent with our second hypothesis, the interaction between social media and cognition based trust significantly project knowledge sharing ( $\beta = .78$ ,  $p < .01$ ). The pattern of this interaction is shown in Figure 1. In support of the hypotheses 2, simple effects were calculated at high and low levels of cognition based trust ( $\pm 1$  SD around the mean). The estimated path indicated that the strength of the relationship between social media and knowledge sharing varied with the high and low levels of cognition based trust. As shown in Figure 2, in the support of second hypothesis, for employees with low levels of cognition based trust, using more social media but are less likely to share their knowledge.

**Figure 2: Moderating Effects of Cognition Based Trust with Mediator**



Having established that cognition based trust moderates the effect of social media on knowledge sharing, we next investigated whether the indirect effect of knowledge sharing on innovative behavior varies depending on cognition based trust levels through mediator knowledge sharing (i.e., mediation; Hypothesis 3).

**TABLE-3**  
**SUMMARY OF HIERARCHICAL REGRESSION ANALYSIS (SOCIAL MEDIA USAGE *sm*), COGNITION BASED TRUST (CBT), AND KNOWLEDGE SHARING (KS))**

	Mediator	
	Knowledge Sharing	
<b>Model 1</b>	<b>B</b>	<b>SE</b>
Social Media Usage	3.64**	.34
Cognition Based Trust	3.16**	.36
SM X CBT	.78**	.09
R <sup>2</sup>	.62	

\*\* p<.01, Values are un-standardized regression coefficients

Table 2 describes the support for hypothesis 3 ( $\beta = 3.64$ ,  $p < .001$ ) for social media and ( $\beta = .34$ ,  $p < .001$ ) for cognition based trust explaining the moderated role of cognition based trust with a significantly higher variance explained by the interaction term ( $R^2 = .62$ ) in the criterion variable. In addition to this direct effect of interactive term is significantly stronger when employees experience high cognition based trust in their peers and move towards innovation through more knowledge sharing. This relationship is weak when there is less cognition based trust.

## DISCUSSION

This study highlights the need to investigate the impact of employees' social connections on their innovation (Sigala and Chalkiti, 2015; Chen, Fulli and Leung, 2015; Aubke, 2013; Chai and Fan, 2017). By getting support from self-verification tactic, this study elucidated and specifically investigated the role of using social media on the innovative behavior of employee. We explained all that by presenting how the social media usage can develop the user's cognition processes and support informal and collective knowledge sharing processes, whose role can fuel and enrich one's innovative processes and consequently innovation. Indeed, employees who are social media users and engage in for increasing internal cognitive trust (e.g. browsing, storing and reading information) were significantly lower innovative than the employees who

share, discuss, debate, synthesize information from diverse networks (Hu *et.al.*, 2017; Chai and Fan, 2017).

Our research offers new theoretical insight into the complexity of cognition based trust interactional effects on innovative behavior. Zhou and Hoever's (2014) review concluded that while the inter-actionist view is generally supported, past research does not delineate the different processes that give rise to different patterns of interactions.

We used self-verification theory by applying it to a work context and explicating the different self-verification processes associated with the positive self-views in the same positive context (cognition-based trust). Most prior studies based on self-verification theory examined self-verification processes with global self-views and found that people with positive self-views tend to seek and prefer positive information, whereas people with negative self-views tend to seek and prefer negative information (for reviews, see Swann, 1990; Swann, Wenzlaff, Krull and Pelham, 1992). For example, past research assumes that people high in core self-evaluations, the aggregation of four dimensions of positive self-views (general self-efficacy, locus of control, self-esteem, and low neuroticism), are more likely to attend and react positively to a positive work context (Judge, Erez and Bono, 1998). Our findings suggest that this approach may be overly simplistic because self-views similar in valence may trigger different self-verification processes in the same context. Consequently, the present study adds to the literature on innovation by furnishing the primary support for the presence and relationship of knowledge sharing with trust with the innovative behavior of employee. Moreover, findings of the study also provided various practical implications through using of the social media for innovation. The findings also presented the valuable ideas for further future research.

**Practical Implications:** In today's dynamic environment innovative behavior is critical to organizational competitiveness. It is crucial to identify for the employees how their supervisors can promote their subordinates' innovativeness. Since social media usage can enrich innovative behavior, we recommend that leadership training programs should be organized for facilitating the leaders to understand the importance of cognition based trust among peers and healthy activity of knowledge sharing. Moreover, the result of the mediating effect of knowledge sharing on the association between social media usage and innovative behavior proposes the demand to pay keen attention to the psychological mechanism that can stimulates cognition based trust and thus subordinates' innovative behavior. In particular, organizations

should take into consideration the ways such as showing concern for employee's feelings and needs, valuing their efforts and contributions, caring about their well-being and to increase the cognition based trust among peers of their employees.

**Limitations and Future Research Directions:** Like any study this research is also not exempted from limitations. Several limitations endure in the present study, which need to be considered in future research. The study was conducted in an insurance industry at a fixed period. In the vibrant era tools of technology and ways of interaction with technology are changing very rapidly. Further research is needed in order to get better empirical evidences about the current human–technology interactions and their impact on user's cognitive and innovative processes. Furthermore, the outcomes of the study should be sophisticated and tested in other cultural and industrial prospects, as the investigated constructs may play different roles in different culture to affect the innovative behavior of employees.

There are a various methodological issues that need to be taken into account in future research. Despite that the results are consistent with our theorizing model and hypotheses, future research should go for experimental and longitudinal designs to provide causal evidence for this theoretical model.

In conclusion, this research extends our understanding of relationship between use of social media and innovative behavior by investigating the mediating role of knowledge sharing and the moderating role of cognition based trust. Our study offers theoretical and practical implications for using modern tools of technology, self-verification theory, innovative behavior, and knowledge sharing and also points out interesting directions for future research.

## REFERENCES

- Amabile, T. M. (1988). A Model of Creativity and Innovation in Organizations, In B. M. Staw & L. L. Cummings (Eds.), *Research in Organizational Behavior*, Vol. 10: 123-167. Greenwich, CT: JAI Press.
- Ancona, D. G., & Caldwell, D. F. (1992). Demography and Design: Predictors of New Product Team Performance, *Organization Science*, 3: 321–341.
- Aubke, F., (2013). Creative Hot Spots: A Network Analysis of German Michelin Starredchefs. *Creat. Innov. Manag.* 23(1):3–14.
- Baumann, M. R., and Bonner, B. L. (2016). An Expectancy Theory Approach to Group Coordination: Expertise, Task Features, and Member Behavior. *J. Behav. Dec. Making*, doi: [10.1002/bdm.1954](https://doi.org/10.1002/bdm.1954)

- Bock, Gee-Woo & Kim, Young-Gul, (2001). Breaking the Myths of Rewards: An Exploratory Study of Attitudes About Knowledge Sharing. PACIS 2001 Proceedings. Paper 78.
- Brown, T. E., Davidsson, P., & Wiklund, J. (2001). An Operationalization of Stevenson's Conceptualization of Entrepreneurship as Opportunity-Based firm Behavior. *Strategic Management Journal*, 22(10):953–968.
- Chai, J. X., & Fan, K. K. (2017). Constructing Creativity: Social Media and Creative Expression in Design Education. *Eurasia Journal of Mathematics, Science and Technology Education*, 14(1):33-43.
- Chen, T., Fulli, & Leung, K. (2015). When Supervisor Support Encourages Innovative Behavior? Opposite Moderating Effects of General Self-Efficacy and Internal Locus of Control. *Academy of Management Journal*.
- Chua, R. Y. J., Ingram, P., & Morris, M. W. (2008). From the Head and the Heart: Locating Cognition and Affect Based Trust in Managers' Professional Networks. *Academy of Management Journal*, 51:436-452.
- Corbett, A., Covin, J.G., O'Connor, G.C., & Tucci, C.L. (2013). Corporate Entrepreneurship: State-of-the-art Research and a Future Research Agenda, *Journal of Product Innovation Management*, 30(5):812-820.
- Correa, T., Hinsley, A. W. & Zúñiga, H. G. (2010). Who Interacts on the Web? The Intersection of Users' Personality and Social Media Use, *Computers in Human Behavior* 26(2010):247-253.
- De Clercq, D., Dimov, D., & Thongpapanl, N. (2013). Organizational Social Capital, Formalization, and Internal Knowledge Sharing in Entrepreneurial Orientation Formation, *Entrepreneurship Theory and Practice*, 37(3):505-537.
- DeAndrea, D. C., Ellison, N. B., LaRose, R., Steinfield, C., & Fiore, A. (2012). Serious Social Media: On the Use of Social Media for Improving Students' Adjustment to College, *The Internet and Higher Education*, 15(1):15-23.
- Hemsley, J. & Mason, R., (2012). The Nature of Knowledge in the Social Media Age: Implications for Knowledge Management Models. In: 45th Hawaii International Conference on System Sciences, IEEE Computer Society.
- Hornsby, J.S., Kuratko, D.F., Holt, D.T., & Wales, W.J. (2013). Assessing a Measurement of Organizational Preparedness for Corporate Entrepreneurship, *Journal of Product Innovation Management*, 30(5):937–955.
- Hu, S., Hu, S., Gu, J., Gu, J., Liu, H., Liu, H., & Huang, Q. (2017). The Moderating Role of Social Media Usage in the Relationship Among

- Multicultural Experiences, Cultural Intelligence, and Individual Creativity, *Information Technology & People*, 30(2):265-281.
- Jonassen, D., (2000). Theoretical Foundations of Learning Environments. Lawrence Erlbaum, Mahwah.
- Judge, T. A., Erez, A., & Bono, J. E. (1998). The Power of Being Positive: The Relation Between Positive Self-Concept and Job Performance. *Human performance*, 11(2-3):167-187.
- Kühnel, J., Vahle-Hinz, T., de Bloom, J., & Syrek, C. J. (2017). Staying in Touch While at Work: Relationships Between Personal Social Media Use at Work and Work-Nonwork Balance and Creativity, *The International Journal of Human Resource Management*, 1-27.
- Kuratko, D. F., Hornsby, J. S., & Covin, J. S. (2014). Diagnosing a Firm's Internal Environment For Corporate Entrepreneurship, *Business Horizons*, 57(1):37-47.
- Leonardi, P. M., Huysman, M., & Steinfield, C. (2013). Enterprise Social Media: Definition, History, and Prospects For the Study of Social Technologies in Organizations, *Journal of Computer-Mediated Communication*, 19(1):1-19.
- Lietesala, K. & Sirkkunen, E. (2008). Social Media Introduction to the Tools and Processes of Participatory Economy, [www.participatoryeconomy.net](http://www.participatoryeconomy.net)
- Mayer, R. C., Davis, J. H., & Schoorman, F. D. (1995). An Integrative Model of Organizational Trust, *Academy of Management Review*, 20:709-734.
- McAllister, D. J. (1995). Affect- And Cognition-Based Trust as Foundations For Interpersonal Cooperation in Organizations, *Academy of Management Journal*, 38:24-59.
- Ngai, E. W. T. Tao, S. S. C. & Moon, K. L. (2015). Social Media Research: Theories, Constructs, and Conceptual Frameworks, *International Journal of Information Management* 35:33-44.
- Nonaka, I., Toyama, R. & Nagata, A., (2000). A Firm as a Knowledge-Creating Entity: A New Perspective On The Theory of the Firm. *Ind. Corp. Change* 9(1):1-20.
- Oliveira, M., Curado, C. M., Maçada, A. C., & Nodari, F. (2015). Using Alternative Scales to Measure Knowledge Sharing Behavior: Are There any Differences?, *Computers in Human Behavior*, 44:132-140.
- Palacios, M. D. & Garrigos, S.F., (2006). The Effect of Knowledge Management Practices on Firm Performance. *J. Knowledge Management*, 10(3), 143-156.
- Perry-Smith, J. E. (2006). Social Yet Creative: The Role of Social Relationships in Facilitating Individual Creativity, *Academy of Management Journal*, 49:85-101.



- Piller, F., Vossen, A., & Christoph (2015). From Social Media to Social Product Development: The Impact of Social Media on Co-Creation of Innovation. <http://ssrn.com/abstract=1975523>
- Purvis, L., Gosling, J., & Naim, M. M. (2014). The Development of a Lean, Agile and Leagile Supply Network Taxonomy Based on Differing Types of Flexibility, *International Journal of Production Economics*, 151:100-111.
- Reinholt, M. I. A., Pedersen, T., & Foss, N. J. (2011). Why a Central Network Position Isn't Enough: The Role of Motivation and Ability For Knowledge Sharing in Employee Networks, *Academy of Management Journal*, 54(6):1277-1297.
- Schaubroeck, J. M., Peng, A.C., & Hannah, S. T. (2013). Developing Trust With Peers and Leaders: Impacts on Organizational Identification And Performance During Entry, *Academy of Management Journal* Vol.56, No.4:1148-1168.
- Scott, S. G., & Bruce, R. A. (1994). Determinants of Innovative Behavior: A Path Model of Individual Innovation in the Workplace, *Academy of Management Journal*, 37:580-607.
- Shin, S. J., Kim, T. Y., Lee, J. Y., & Bian, L. (2012). Cognitive Team Diversity and Individual Team Member Creativity: A Cross-Level Interaction, *Academy of Management Journal*, 55(1):197-212.
- Sigala, M. & Chalkiti, K. (2015). Knowledge Management, Social Media and Employee Creativity, *International Journal of Hospitality Management* 45:44-58.
- Swann Jr, W. B. (1990). To be Adored or to Be Known? The Interplay of Self-Enhancement and Self-Verification.
- Swann, W. B., Wenzlaff, R. M., Krull, D. S., & Pelham, B. W. (1992). Allure of Negative Feedback: Self-Verification Strivings Among Depressed Persons, *Journal of Abnormal Psychology*, 101(2):293.
- [Swati Mittal](#) , [Rajib Lochan Dhar](#) , (2015) "Transformational Leadership and Employee Creativity: Mediating Role of Creative Self-Efficacy and Moderating Role of Knowledge Sharing", *Management Decision*, Vol.53, Issue 5:894-910.
- Vroom, V. H. (1964). *Work and Motivation*, New York: Wiley.
- Wagner, C. & Bolloju, N., (2005). Supporting Knowledge Management in Organizations With Conversational Technologies: Discussion Forums, Weblogs, and Wikis. *J.Database Manag.* 16(2):1-8.
- Wang, M., Wang, T., Kang, M., & Sun, S. (2014). Understanding Perceived Platform Trust and Institutional Risk in Peer-to-Peer Lending Platforms From Cognition-Based and Affect-Based Perspectives. In *PACIS* (p.208).

- Wang, X., Fang, Y., Qureshi, I., and Janssen, O. (2015), Understanding Employee Innovative Behavior: Integrating the Social Network and Leader–Member Exchange Perspectives. *J. Organiz. Behav.*, 36:403-420. doi: [10.1002/job.1994](https://doi.org/10.1002/job.1994).
- Wisse, B., Barelds, D. P., & Rietzschel, E. F. (2015). How Innovative is Your Employee? The Role of Employee and Supervisor Dark Triad Personality Traits in Supervisor Perceptions of Employee Innovative Behavior, *Personality and Individual Differences*, 82:158-162.
- Yuan, F. & Woodman, R. (2010). Innovative Behavior in the Workplace: The Role of Performance and Image Outcome Expectations, *Academy of Management Journal*, 53(2):323-342.
- Zhou, J., & Hoever, I. J. (2014). Research on Workplace Creativity: A Review And Redirection, *Annual Review of Organizational Psychology and Organizational Behavior*, 1:333-359.
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