



## The Interaction between Supportive and Unsupportive Manager Behaviors on Employee Work Attitudes

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3 **The Interaction between Supportive and Unsupportive Manager Behaviors on**  
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5 **Employee Work Attitudes**  
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8 *Purpose:* To use Social Exchange Theory (SET) to examine a model where supportive  
9 (SMB) and unsupportive (UMB) manager behaviors interact to predict employees'  
10 engagement, job satisfaction and turnover intention.  
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12 *Design/Methodology:* A cross-sectional online survey collected data from 252 UK based  
13 employees of a global data management company.  
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16 *Findings:* Factor analysis confirmed manager behaviors to consist of two constructs:  
17 supportive and unsupportive behaviors. Structural equation modelling indicated SMB  
18 predicted job satisfaction and turnover intentions, but not engagement. Job satisfaction, but  
19 not engagement, mediated the SMB-turnover intention relationship. UMB only predicted job  
20 dissatisfaction. Neither job satisfaction nor engagement mediated the UMB-turnover  
21 intention relationship. UMB undermined the positive relationship between SMB and turnover  
22 intention.  
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26 *Implications:* The behaviors assessed can be integrated into various stages of a manager's  
27 development process to serve as guidelines of good practice. Crucially, findings suggest  
28 managers can exhibit both supportive and unsupportive behaviors, and that consistency in  
29 behaviors is important. The study also provides evidence that supportive managers can help  
30 reduce turnover intention through job satisfaction.  
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33 *Originality/value:* SET was used as a framework for SMB, UMB and engagement. To our  
34 knowledge this is the first study to examine the interaction between SMB and UMB.  
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38 **Keywords:** Supportive manager behaviors; unsupportive manager behaviors; social exchange  
39 theory; job satisfaction; engagement; turnover intention  
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42 **Article Classification:** Research paper  
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## The Interaction between Supportive and Unsupportive Manager Behaviors on Employee Work Attitudes

The quote “People leave managers, not organizations” (Tate and White, 2005, p.2) is often cited when discussing turnover. As social support is an important source in reducing the risks of workplace stressors and in protecting worker health, a manager who is seen as supportive is more likely to have employees who intend to remain in their current employment (Maertz *et al.*, 2007). The evidence has consistently demonstrated that positive social support is associated with improved engagement (MacLeod and Clarke, 2009), organizational citizenship behavior (Chênevert *et al.*, 2015), wellbeing (Luchman and Gonzalez-Morales, 2013), job satisfaction and productivity (Baruch-Feldman *et al.*, 2002). Hence, in trying to improve the working environment, social support is a crucial buffer towards workplace stressors, and it is important to understand what impact support from the manager has on the employee.

Although supportive manager behaviors (SMB; Rooney and Gottlieb, 2007; Yarker *et al.*, 2007) and perceived supervisor support (Shanock and Eisenberger, 2006) have received considerable attention, the effects of unsupportive manager behaviors is less commonly examined (UMB). What is known typically stems from the more extreme side of negative leadership, such as abusive supervision (Mitchell and Ambrose, 2007) and destructive leadership (Schyns and Schilling, 2013). Even less attention has been given to the idea that managers can exhibit different types of leadership behaviors (Kelloway *et al.*, 2006), and little is known about the possible interactions between SMB and UMB. Consequently, this study examines the construct of SMB and UMB using Social Exchange Theory (SET) in relation to three common employee measures: engagement, job satisfaction and turnover intention (See Figure 1 for proposed model). The selection of engagement reflects the interest of the UK government in the manager-engagement relationship (MacLeod and Clarke, 2009).

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3 In addition, another popular SET employee attitude (job satisfaction) is included as a  
4 comparison, and we continue the examination of other researchers (Rooney *et al.*, 2007;  
5 2009) on the impact of SMB on turnover intention.  
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10 **[Insert Figure 1]**  
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### 12 13 14 *Social Exchange Theory in the Workplace*

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16 Social Exchange Theory (SET; Blau, 1964) states that relationships are maintained between  
17 two parties by a state of reciprocal interdependence. It proposes that when one party acts in a  
18 manner which benefits a second party, there is an obligation and expectation that the second  
19 reciprocates the favor (Blau, 1964). Unlike economic or contractual exchanges, SET is  
20 predicated by relationships which are nurtured over time (Aryee *et al.*, 2002), with  
21 reciprocation of the socioemotional benefits having behavioral, cognitive or emotional  
22 implications (Blau, 1964; Cropanzano and Mitchell, 2005). It can be construed that the  
23 employee and the source of support are two actors in the exchange relationship. Within  
24 organizational research, SET typically examines how perceived organizational and supervisor  
25 support is reciprocated by employees (Shanock and Eisenberger, 2006).  
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38 In addition to the source, a second aspect of support is the type of support, which  
39 comes in the form of instrumental and emotional support (Haslam *et al.*, 2005). The former  
40 refers to the tangible support an employee receives to complete work duties, whilst the latter  
41 is the care and concern employees might receive that gives them a sense of worth and  
42 belonging. Managers have the ability to influence the work environment by providing job  
43 resources and determining work conditions, thereby providing both emotional and  
44 instrumental support in the workplace (Luchman and Gonzalez-Morales, 2013). Hence,  
45 employees are more likely to reciprocate positively to a conducive environment set by the  
46 manager (Settoon *et al.*, 1996), explaining why the manager-employee relationship has been  
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3 found to have a stronger influence on organizational outcomes than relationships with co-  
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5 workers (Liaw *et al.*, 2010). This reciprocity is typically initiated by the leader (Graen and  
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7 Uhl-Bein, 1995), and if the employee responds favorably an interdependent relationship can  
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9 ensue. These employees will then receive additional support, resources and opportunities  
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11 (Cropanzano and Mitchell, 2005), leading to the nature of the social exchange relationship  
12  
13 continually altering (Erdogan and Liden, 2002).  
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### 16 17 18 *Engagement* 19

20 SET provides a theoretical framework explaining employee engagement (Agarwal,  
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22 2014; Ghosh *et al.*, 2014), which is conceptualized by Schaufeli *et al.*, (2006) as being fully  
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24 engrossed, deriving enthusiasm and pride, and having high levels of energy and investment in  
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26 one's work. In a report to the UK government, engagement was identified as having a crucial  
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28 role in bringing the national economy out of recession (MacLeod and Clarke, 2009; Rayton *et*  
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30 *al.*, 2012). So long as both parties abide by the rules of exchange, the social exchange  
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32 relationships will over time, develop into loyal, trusting and mutual commitments  
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34 (Cropanzano and Mitchell, 2005). This is congruent with Robinson *et al.*'s (2004) notion of  
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36 engagement as a two-way relationship between the organization and the employee. In  
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38 response to the resources received from the other party (i.e., organization, manager),  
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40 employees can devote greater cognitive, emotional and physical resources to their  
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42 organizations, and adjust the levels with which they engage their work in response to the  
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44 resources and support received (Saks, 2006). To our knowledge there have been few attempts  
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46 to examine engagement from a SET perspective (Agarwal, 2014; Ghosh *et al.*, 2014), with  
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48 the effect of manager support being less conclusive than that from the organization. However,  
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50 while engagement is typically examined from a job demands-resources model, the positive  
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3 relationship between job resources and engagement has been explained through the reciprocal  
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5 nature of SET (e.g., Dollard and Bakker, 2010; Xanthopoulou *et al.*, 2009).  
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8 The importance of managers is highlighted by the report to the UK government  
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10 identifying effective managers as being one of the four drivers for engaging the workforce  
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12 (MacLeod and Clarke, 2009; Rayton *et al.*, 2012), despite the empirical evidence between  
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14 manager behaviors or leadership with employee engagement being less clear. Rhoades and  
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16 Eisenberger's (2002) meta-analysis on organizational support theory, which includes  
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18 supervisor support as a representative of the organization, did not include engagement. In a  
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20 review of 91 studies, Christian *et al.* (2011) found that job characteristics, leadership and  
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22 employees' personality preceded engagement, with leadership having the weakest  
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24 relationship with engagement. Considering that Christian *et al.*'s coverage of leadership only  
25  
26 encompassed transformational leadership and the leader-member exchange, which are  
27  
28 conceptually different from the assessment of supportive behaviors, a behavior based  
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30 examination might yield different results. This study continues the work on Saks' (2006)  
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32 framing of engagement within SET, that when managers meet the professional and personal  
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34 needs of their employees, it is plausible that like perceived organizational support, employees  
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36 reciprocate with higher engagement levels. As such, it is hypothesized that:  
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41 *H1: Supportive manager behaviors are positively related with engagement.*  
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#### 45 *Job Satisfaction*

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47 The inclusion of job satisfaction in this study allows a comparison with what some have  
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49 argued to be conceptually similar to engagement (Macey and Schneider, 2008). According to  
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51 SET, when the employee feels supported, their job satisfaction can improve as  
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53 socioemotional needs are met or there is the signaling of the availability of aid to employees  
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55 (Rhoades and Eisenberger, 2002). Managers can increase the job satisfaction of their staff by  
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3 providing constructive feedback that allow employees to feel valued, or by enhancing work  
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5 characteristics like autonomy and group cohesion while reducing ambiguity (Lee and  
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7 Cummings, 2008). Furthermore, SET postulates that perception of support can lead to  
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9 employees responding affectively, with a lack of support leading to increased job  
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11 dissatisfaction (Johnson and O'Leary-Kelly, 2003; Rooney *et al.*, 2007; 2009).  
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15 Although the literature surrounding job satisfaction and manager support has focused  
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17 on perceptions of support, it would be anticipated according to SET that the provision of  
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19 tangible supportive behaviors will demonstrate a similar effect. As a result, it is predicted  
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21 that:  
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24 *H2: Supportive manager behaviors are positively related with job satisfaction.*  
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### 28 *Turnover Intention*

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30 SET would advocate that low support quality could be reciprocated by increased turnover  
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32 intention (Cropanzano and Mitchell, 2005; Mossholder *et al.*, 2005). Commitment to an  
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34 organization and job can manifest itself as both an affect and/or behavior, and can therefore  
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36 be used by an employee to reward or punish their managers. SMB (Rooney *et al.*, 2007;  
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38 2009), leader-member exchange (Kang *et al.*, 2011) and perceived supervisor support  
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40 (Maertz *et al.*, 2007; Newman *et al.*, 2011) have used SET to explain the support-turnover  
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42 intention relationship.  
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46 Crede *et al.* (2007) proposed a model whereby job withdrawal cognitions, along with  
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48 organizational citizenship behaviors and counterproductive workplace behaviors, were  
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50 identified as groups of 'behaviors' which employees can use to reciprocate within the  
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52 exchange relationship. Moreover, they argued work attitudes (namely job satisfaction) have a  
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54 role in mediating the work environment and behavior relationship. Meta-analytical results  
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56 (e.g., Murrells *et al.*, 2008) illustrate that job satisfaction is inversely correlated with turnover  
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3 intention. When the situation at work becomes unsatisfactory, one of the coping mechanisms  
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5 would be to escape that situation (Moynihan *et al.*, 2003) – manifesting in increased turnover  
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7 intention. Extending Crede *et al.*'s (2007) model to include engagement as a mediator,  
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9 engaged employees identify with their work and invest energy in it, and might find difficulty  
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11 detaching from or even leaving their work (Halbesleben and Wheeler, 2008). By leaving the  
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13 organization they lose the ability to carry on their work, and lose access to resources which  
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15 has helped them with their work. This is seen in Halbesleben (2010) and Saks' (2006) studies  
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17 that support a negative relationship between dimensions of engagement and turnover  
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19 intention.  
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23 Despite the literature so far providing separate evidence that SMB impacts  
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25 engagement and job satisfaction, and that these subsequently influence turnover intention,  
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27 there have been few models that examine these together. The studies which have are  
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29 consistent in their findings. Agarwal *et al.* (2012) found that engagement mediated the link  
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31 between the quality of the employee-manager relationship and turnover intention, whilst three  
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33 separate studies revealed job satisfaction to mediate social support from supervisor (van der  
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35 Heijden *et al.*, 2010) and leader-member exchange (Han and Jekel, 2011; Wang and Yi,  
36  
37 2011) relationship with turnover intentions. Considering the evidence supporting SMB being  
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39 reciprocated with work attitudes, and extending these assumptions into a mediation model, it  
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41 is hypothesized that:  
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45 *H3: Supportive manager behaviors, engagement and job satisfaction have a negative*  
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47 *relationship with turnover intention.*

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49 *H4: Engagement and job satisfaction mediate the relationship between supportive*  
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51 *manager behaviors and turnover intention.*  
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56 *Unsupportive Manager Behaviors*  
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3 The negative reciprocal relationship has received little attention within the SET  
4 literature, and it is less clear what the effect unsupportive manager behavior (UMB) has on  
5 the outcome measures described above. The dominance of the research literature examining  
6 supportive managers as opposed to unsupportive or abusive managers has created a myopic  
7 understanding of managers' influence on employees. The studies that have focused on  
8 negative leadership have looked at abusive, deviant or tyrannical supervision (Mitchell and  
9 Ambrose, 2007), with less attention on the more subtle forms of poor support. Aspects of  
10 work which violate SET would impair the development of a high quality relationship  
11 between the employee and manager (Cropanzano *et al.*, 2003), infringing the implicitly  
12 understood obligations which form the psychological contract between both parties  
13 (Rousseau, 1995). This lack of support could result in employees' engaging in negative  
14 behaviors in order to strike back at the manager and/or organization (Cropanzano and  
15 Mitchell, 2005; Mitchell and Ambrose, 2007). Saks' model of engagement postulates that  
16 anything which threatens the social exchange relationship should result in disengagement.  
17 That is, issues with trust, lack of reciprocity, or psychological contract breaches may result in  
18 a weakening of this relationship, resulting in at least a reduction of engagement, if not actual  
19 disengagement (e.g., Agarwal *et al.*, 2012). Some researchers (Uhl-Bien and Carsten, 2007)  
20 have argued that the power imbalance between the manager and the employee can result in  
21 employees being unable to reciprocate negatively due to fears about retaliation from their  
22 managers. Instead, this is displaced towards other parties within the work environment (e.g.,  
23 colleagues, customers, organization). It is equally plausible that employees exposed to UMB  
24 simply withdraw from the relationship, breaking any link between support and outcome. This  
25 fits with Bhogaita's (2012) findings that UMB did not predict job satisfaction, engagement,  
26 job performance or organizational commitment.  
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3 Research in this area has shown SMB and UMB to be different constructs with  
4 different outcomes on employee work attitudes (Bhogaita, 2012; Rooney *et al.*, 2007; 2009)  
5 rather than two separate ends of the same continuum. In addition to the positive influence of  
6 SMB reviewed earlier, the evidence indicates that UMB and poor leader-member exchanges  
7 are reciprocated with lower job satisfaction, organizational citizenship behavior and job  
8 performance, and increased turnover intention (Cropanzano *et al.*, 2003; Rooney and  
9 Gottlieb, 2007; Setton *et al.*, 1996). Employees were also found to respond to abusive  
10 supervisors with feelings of increased stress and helplessness instead of deviant behaviors,  
11 suggesting that they internalize their response and exhibit behavior that benefits them (Organ,  
12 1990). Considering that reciprocity forms the basic tenant of SET, and the previous research  
13 findings involving work-related attitudes in this area, it is hypothesized that:

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28 *H5: Unsupportive manager behaviors are negatively related with job satisfaction,*  
29 *and engagement.*

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32 *H6: Unsupportive manager behaviors are positively related with turnover intention.*

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41 *H7: Engagement and job satisfaction mediate the relationship between unsupportive*  
42 *manager behaviors and turnover intention.*

#### 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

*Consistency of support*

Even with the growing emphasis of UMB (Bhogaita, 2012; Rooney and Gottlieb, 2007) and destructive leadership (Schyns and Schilling, 2013) on employee work attitudes, these have been examined in isolation to the positive dimension of support. How supportive a person is at work is not necessarily constant, with findings that managers (Rooney and Gottlieb, 2007), nurses (Krishnasamy, 1996) and spouses of cancer patients (Manne and Schnoll, 2001) can exhibit both supportive and unsupportive behaviors. In the safety leadership literature, Kelloway *et al.* (2006) argued that frequency-based measures of transformational and passive

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3 leadership styles means leaders could alternate between, or exhibit, both styles of leadership.  
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5 Building on this, passive-safety leadership has been found to attenuate the positive impact  
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7 that transformational-safety leadership has on safety behaviors (Mullen *et al.*, 2011).  
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9 However, aside from the work by Kelloway *et al.* (2006) and Mullen *et al.* (2011), we are  
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11 unaware of any other attempts to examine the interactive relationship between leadership  
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13 styles or manager behaviors.  
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16 A manager displaying frequent SMB and infrequent UMB can be said to be providing  
17  
18 consistent support to their employees. This consistency reinforces the beneficial behavior  
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20 extended to the employee, increasing the trust between both parties and creating the  
21  
22 reciprocal obligation for the employee to respond favorably (Colvin *et al.*, 2002; Cropanzano  
23  
24 and Mitchell, 2005). In contrast, inconsistent support occurs when there is a mismatch  
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26 between the frequency of SMB and UMB. Extrapolating from Mullen *et al.*'s (2011) study,  
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28 any positive effect from SMB on employees would be undermined by the presence of  
29  
30 frequent UMB. This clash hinders the development of an exchange relationship between  
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32 manager and employee as the incongruent behavior on the part of the manager potentially  
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34 violates one of the fundamental principles of SET – trust (Blau, 1964). Finally, managers  
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36 displaying infrequent SMB and frequent UMB can be grouped as consistently unsupportive.  
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38 As discussed earlier in this paper, this would have a detrimental impact on any relationship  
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40 and could result in employees reciprocating with negative work attitudes or withdrawing  
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42 from the exchange relationship altogether (Cropanzano *et al.*, 2003; Cropanzano and  
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44 Mitchell, 2005; Mitchell and Ambrose, 2007).  
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49 It is highly plausible that managers exhibit both supportive and unsupportive  
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51 behaviors. As such, this current study seeks to contribute to the recent developments that  
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53 examine the interactive role of SMB and UMB on employee outcomes and hypothesizes that:  
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3 *H8: Employees who experience consistent support (high SMB, low UMB) will report*  
4 *higher levels of engagement, job satisfaction, and lower turnover intention than those who*  
5 *experience inconsistent support (high SMB, high UMB or low SMB, low UMB) and*  
6 *consistent unsupportive (low SMB, high UMB).*  
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## 12 **Method**

### 13 *Sample and Procedure*

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16 Participants were recruited from the UK operations of a global data management and analysis  
17 company. A total of 1,483 employees were emailed and invited to take part via an electronic  
18 survey. Information and contact details were provided on the first page of the online survey.  
19  
20 Participants were also informed that by proceeding with the online survey they were  
21 consenting to take part. However, they were free to exit the browser and withdraw from the  
22 study. The survey window lasted three weeks, with a reminder email sent out after one week.  
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33 Overall, 288 employees completed the online questionnaire, although 36 were  
34 removed due to incomplete responses. Managers comprised 29.4% of the sample, and 54% of  
35 the sample was male. The average age was 35.4 years (SD=9.3), and average tenure was 6.17  
36 years (SD=6.59). Participants operated in a wide range of job functions, including  
37 Information Technology (18.3%), Customer Services (11.5%), Analytics (10.7%), Finance  
38 (9.1%), Sales (8.7%), and Product Development (7.5%). The remaining 34% were employed  
39 in other business areas.  
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### 52 *Measures*

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55 *Supportive Manager Behaviors.* The Inventory of Supportive and Unsupportive Manager  
56 Behavior is a 14-item measure which contains 9 supportive and 5 unsupportive manager  
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3 behaviors (Zarola, 2011). Participants rate their own immediate manager in terms of how  
4 frequently they displayed these behaviors using a 5-point frequency scale where '1=never'  
5 and '5=always'. An example behavior includes 'I have to deal with unrealistic expectations  
6 from my manager'. Past researchers (Bhogaita, 2012; Zarola, 2011) have found coefficient  
7 alphas of between .90 and .96 for SMB items and alphas of .75 to .86 for UMB items.  
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15 *Work Engagement.* This study examines the overall measure of engagement, and  
16 therefore, like other researchers (e.g., Agarwal, 2014), summed the subscale scores of the  
17 Utrecht Work Engagement Scale (Schaufeli and Bakker, 2003) to represent engagement.  
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19 Comprising nine items, participants rated items such as 'My job inspires me' on a seven point  
20 scale with '0=never' and '6=everyday'. Internal consistency has previously been reported at  
21 .91 (Schaufeli and Bakker, 2003).  
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29 *Job Satisfaction.* Job satisfaction was assessed using the five items of global job  
30 satisfaction from the Andrew and Withey Job Satisfaction Questionnaire (Rentsch and Steel,  
31 1992). The measure included items such as 'How do you feel about your job?' which was  
32 rated on a seven point scale where '1=terrible' and '7=delighted'.  
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39 *Intention to leave.* Rosin and Korabik's (1991) four item scale was used. Three items  
40 were weighted with three answer options (e.g., are you planning to leave your job within the  
41 next six months?; 'yes=2', 'no=0', and 'unsure=1'). The fourth item ('are you actively  
42 searching for another job right now?'), was weighted 'yes=2' and 'no=0'. These were  
43 summed, with a higher score indicating stronger intention to leave. Foley *et al.* (2002) found  
44 inter-item reliability to be at .83.  
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53 *Control variables.* Age, gender, job tenure, and manager/employee status were  
54 included as control variables in the structural equation and the moderated regression models.  
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## Results

Due to questions arising surrounding the conceptualization of supportive (SMB) and unsupportive (UMB) manager behaviors as either one (Yarker *et al.*, 2007) or two separate constructs, a confirmatory factor analysis (CFA) was conducted to confirm that SMB and UMB composed a better two-factor model than a singular factor model (Rooney *et al.*, 2007; 2009). Analysis showed a two-factor model (CFA=0.95, RMSEA=.08) was a better fit than a one-factor model (CFA =0.90, RMSEA=0.11).

Internal reliabilities, means and standard deviations for all variables are displayed in Table 1 along with correlational coefficients. SMB was positively correlated with engagement ( $r=.45$ ) and job satisfaction ( $r=.54$ ) while negatively correlated with turnover intention ( $r=-.50$ ). The opposite relationships were observed for UMB, which was negatively related to engagement ( $r=-.32$ ) and job satisfaction ( $r=-.49$ ) and positively related to turnover intention ( $r=.39$ ). Turnover intention showed negative relationships with engagement ( $r=-.61$ ) and job satisfaction ( $r=-.65$ ). These support all the correlational hypotheses (H1-H3 and H5-H6) made.

### [Insert Table 1]

Latent SEM analyses were used to examine job satisfaction and engagement as mediators of SMB and UMB on turnover intention. Based on recommendations by Little *et al.* (2002) on item parceling in SEM, an empirically-guided approach to parcel construction via exploratory factor analyses was used to generate empirically robust parcels for SMB, UMB, engagement, job satisfaction and turnover intentions. All latent variables (i.e., SMB, UMB, engagement, job satisfaction, and turnover intention) had at least two parceled

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3 indicators and exhibited high internal reliabilities (alphas > .70). Little *et al.* (2002) argued  
4 that latent models with parceled indicators (compared to item-level indicators) provide more  
5 rigorous and unbiased model estimates in SEM Model fit statistics. Consistent with Anderson  
6 and Gerbing's (1988) two-step approach, two models were specified and estimated: a  
7 measurement model including all possible correlations among latent variables and a structural  
8 model testing the main study hypotheses including the claim that job satisfaction and  
9 engagement act as mediators in the relationship between SMB/UMB and turnover intentions.  
10 Control variables of age, gender, job tenure, and manager/employee status were included in  
11 the analyses. All exogenous variables including these controls were allowed to covary, and  
12 the two mediators of job satisfaction and engagement were also allowed to covary. In order to  
13 control for common method bias, a single latent factor was included in both measurement and  
14 structural models, with direct paths to all observed variables (indicators) that were measured  
15 in the same survey. The models were run with and without this latent method factor to assess  
16 differences in parameter coefficients, which were deemed marginal.

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Confirmatory factor analyses were conducted to assess the overall measurement model. These results indicated good model fit of the measurement model,  $\chi^2(44)=88.0$ ,  $p<.001$ ; RMSEA=.06 [C.I .04 - .08], CFI=.98, NFI=.97, IFI=.98. Following this model, the structural model was estimated (see Table 2). This model also reported equally good model fit,  $\chi^2(46)=90.7$ ,  $p<.001$ ; RMSEA=.06 [C.I .04 - .09], CFI=.98, NFI=.97, IFI=.98. Based on an inspection of individual path coefficients, SMB had significant positive effects on job satisfaction ( $b=.53$ ,  $p<.001$ ) and engagement ( $b=.95$ ,  $p<.001$ ). Job satisfaction, in turn, had a significant negative effect on turnover intentions ( $b=-.38$ ,  $p<.001$ ). However, engagement did not generate a significant effect on turnover intention ( $b=-.07$ ,  $p>.05$ ). The bootstrapping model results revealed that the standardized mediated or indirect effect of SMB on turnover intention via job satisfaction and engagement was statistically significant (standardized

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3 estimate=-.36,  $p < .05$ , 95% C.I.: -.51 - -.21). Specific tests of indirect effects of each mediator  
4  
5 revealed that although job satisfaction fully mediated the relationship between SMB and  
6  
7 turnover intention ( $z = -3.42$ ,  $p < .001$ ), engagement failed to mediate this relationship ( $z = -1.60$ ,  
8  
9  $p > .05$ ).

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11  
12 UMB had a significant negative effect on job satisfaction ( $b = -.31$ ,  $p < .05$ ) but its effect  
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14 on engagement was not significant ( $b = .16$ ,  $p > .05$ ). The total standardized indirect effect of  
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16 UMB on turnover intentions was not statistically significant ( $b = .13$ ,  $p > .05$ , 95% C.I.: -.03 to  
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18 .28). Specific indirect effect tests revealed that neither job satisfaction ( $z = 1.95$ ,  $p > .05$ ) nor  
19  
20 engagement ( $z = .72$ ,  $p > .05$ ) mediated the relationship between UMB and turnover intentions.  
21  
22 In light of the SEM results, H4 was partially supported as only job satisfaction, and not  
23  
24 engagement, mediated the relationship between SMB and turnover intention. However, as  
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26 neither job satisfaction nor engagement mediated the UMB and turnover relationship, H6 was  
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28 rejected.  
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33 **[Insert Table 2]**  
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37 Moderated regressions were conducted to examine the interactive effect between  
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39 SMB and UMB on engagement, job satisfaction and turnover intention. Interactive terms  
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41 (SMB x UMB; Block 3) were added to a regression model after control variables (Block 1)  
42  
43 and main effect terms (Block 2). All items were centered before being entered into the  
44  
45 regression. The results, presented in Table 3, show that the SMB x UMB interaction was only  
46  
47 significant for job satisfaction ( $b = -.37$ ,  $p > .05$ ). When the interaction for job satisfaction was  
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49 plotted (Figure 2), as expected consistent support (high SMB, low UMB) reported higher job  
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51 satisfaction than inconsistent support (high SMB, high UMB or low SMB, low UMB) and  
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53 consistent unsupportive (low UMB, high SMB). However, H8 is only partially supported as  
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55 no interactive effects were found for engagement or turnover intentions.  
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3 [Insert Table 3]  
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6 [Insert Figure 2]  
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## 10 11 12 Discussion

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14 In answering the call for more empirical work to be done on supportive manager behaviors  
15 (Yarker *et al.*, 2008), the current study provides a number of important contributions. Firstly,  
16 the confirmatory factor analysis strengthens the notion that SMB and UMB are two separate  
17 constructs, not two ends of the same continuum. Moreover, that different behaviors predict  
18 different outcomes provides further evidence that UMB is a different construct. What this  
19 means is that a high score on a particular construct represents more frequent demonstration of  
20 such (un)supportive behaviors, with a low score representing less frequent, or absence, of  
21 said behaviors. For example, a low frequency score on any item does not suggest this  
22 behavior is not encouraged, but rather that this behavior does not exist. This is more aligned  
23 with the findings of Rooney *et al.* (2007; 2009) than with those proposed Yarker *et al.*  
24 (2008), and is akin to the examination of behaviors in other aspects of organizational research  
25 (i.e., counterproductive versus citizenship behavior; Coyne *et al.*, 2013). As both types of  
26 supportive behaviors are distinct, it is therefore possible for managers to display both  
27 supportive and unsupportive behaviors towards their employees. Secondly, the findings  
28 provide empirical support for the theoretical concept of SET advocating a positive  
29 relationship between SMB and the employee measures of job satisfaction, engagement and  
30 turnover intention. SET postulates that the provision of what the employee desires (more  
31 support) would be reciprocated through improved affect (i.e., job satisfaction and  
32 engagement), or by becoming more committed to their work and organizations, and the  
33 results here correspond with that of past research (Coomber and Barriball, 2007).  
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3 Alternatively, as causality cannot be established, it is possible that stronger affect and  
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5 commitment might be reciprocated with more supportive behaviors by managers.  
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8 As expected, job satisfaction mediated the relationship between SMB and turnover  
9  
10 intention, although this was not the case for engagement. Supportive managers improve the  
11  
12 work environment and make it more satisfying by providing job support, constructive  
13  
14 feedback and encouraging personal development (Coomber and Barriball, 2007; Lee and  
15  
16 Cummings, 2008). This increases employees' desire to stay in that environment, and reduces  
17  
18 their need to escape from unpleasant situations (Moynihan *et al.*, 2003). The mediation result  
19  
20 helps bridge the gap between past research that shows a link between manager support and  
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22 job satisfaction (Baruch-Feldman *et al.*, 2002; van der Heijden *et al.*, 2010), and between job  
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24 satisfaction and turnover (Murrells *et al.*, 2008).  
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28 Engagement did not mediate the relationship between SMB with turnover intention.  
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30 The results indicate that while managers influence how engaged and satisfied employees are  
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32 at work; this does not translate to reduced turnover intention. The lack of a mediation effect  
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34 by engagement can be attributed to the absence of the engagement-turnover intention  
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36 relationship, in contrast to previous findings (Halbesleben, 2010; Saks, 2010). However,  
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38 Halbesleben and Wheeler (2008) observed that engagement did not predict turnover  
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40 intention, and attributed it to unique sample characteristics, or the attrition rate of their  
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42 longitudinal design. Moreover, they found the strength of the correlation between  
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44 engagement and turnover intention to weaken considerably when other variables were  
45  
46 accounted for. Considering the debate on whether engagement and job satisfaction are  
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48 conceptually different (Macey and Schneider, 2008), it is plausible that the global nature of  
49  
50 job satisfaction might be more salient than engagement, thereby leaving little unique variance  
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52 for engagement. In future, the unique contribution of engagement on turnover intention  
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54 warrants closer examination.  
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3 SET would predict that UMB be reciprocated with negative affect (reduced job  
4 satisfaction), which was observed. The study also provides support for Kelloway *et al.*'s  
5 (2006) rationale that leaders can exhibit different leadership behaviors, interacting to  
6 influence employee outcomes. Our study echoes that of Mullen *et al.* (2011) whereby the  
7 positive influence of SMB on job satisfaction is undermined by frequent UMB. This  
8 highlights the importance of consistency in the provision of support to employees when  
9 developing a reciprocal relationship. When managers behave inconsistently employees may  
10 not trust the intention of the manager, in turn perceiving less of a need to respond favorably.  
11 However, UMB was not related negatively to engagement or positively with turnover  
12 intention as postulated by SET. Ultimately, the absence of these relationships means a lack of  
13 mediators between UMB and turnover intention, in contrast to what was predicted. Similarly,  
14 the proposed undermining of SMB on engagement and turnover intention by UMB was not  
15 found. SET theorizes that humans seek to maximize benefits and reduce conflict and costs  
16 within social relationships (Chibucos *et al.*, 2005). Consequently, becoming disengaged or  
17 intending to leave when exposed to unsupportive behaviors might be deemed detrimental to  
18 an employee. Instead, they might choose to ignore these unsupportive behaviors and not  
19 allow it to impact them. On the other hand, job satisfaction is influenced by UMB because as  
20 an affect it is internalized by employees and more difficult to be picked up by managers. The  
21 absence of a UMB-turnover intention relationship could also be attributed to a difference  
22 between desire and intention. Unaccounted variables such as perceived employability and the  
23 current job market might confound this relationship, possibly leading to a lack of intention to  
24 leave even when the desire exists. However, it is worth noting that Bhogaita's (2012) finding  
25 that UMB did not predict organizational commitment suggests that this explanation might be  
26 less plausible than that proposed by SET perspective.  
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### *Practical Implications*

These findings suggest that organizations trying to reduce turnover intention should ensure their employees are satisfied with their work by improving the support they receive from managers. Managers should provide clear instructions, be able to provide constructive criticism, and take interest in their employees' wellbeing and development (Lee and Cummings, 2008). Crucially, there has to be recognition that managers can exhibit both supportive and unsupportive behaviors, meaning there likely is scope for improvement amongst even the most supportive managers. The supportive behaviors contained in the SMB measures can be integrated into various stages of a manager's development process, including selection, training and appraisals, where it can serve as a guideline of good practice.

Although not examined in this study, it is worth noting that alongside manager support, having a supportive organization is also crucial in creating a conducive environment that encourages engagement and satisfaction (Maertz *et al.*, 2007). While managers have a degree of control, they are often restricted by organizational factors placed upon them, such as pay and benefit packages, training and developmental opportunities (Shanock and Eisenberger, 2006). This means that managers could act as a gatekeeper towards these resources, and organizations themselves have to be supportive of their managers and provide them with the required resources needed to support employees.

### *Limitations*

Certain limitations need to be considered when evaluating these results and when designing related studies. Firstly, future studies should consider longitudinal designs to explore possible causal effects. Secondly, the sole use of self-report measures may lead to common method bias affecting the results although self-report cannot be avoided in measuring employees'

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3 affect and intentions (Conway and Lance, 2010). It was initially planned to match employees'  
4 ratings of their managers' support with managers' self-rating to allow for matching and  
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6 provide an alternate source of measurement, however low matched pairs meant this was not  
7  
8 possible. Additional controls against common method bias include including a common  
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10 method variance latent factor to control for it in the SEM, and by using established measures  
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12 which showed validity and reliability to reduce measurement error. Also, to reduce social  
13  
14 desirability it was emphasized that this was a study conducted external to the company and  
15  
16 only aggregate data would be shared with the company. Third, although participants stemmed  
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18 from a wide range of job functions, they were all from the same company within one UK  
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20 industry sector. In addition, the low response rate means respondents might not be  
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22 representative of the sample. Consequently, care needs to be taken in generalizing any  
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24 findings.  
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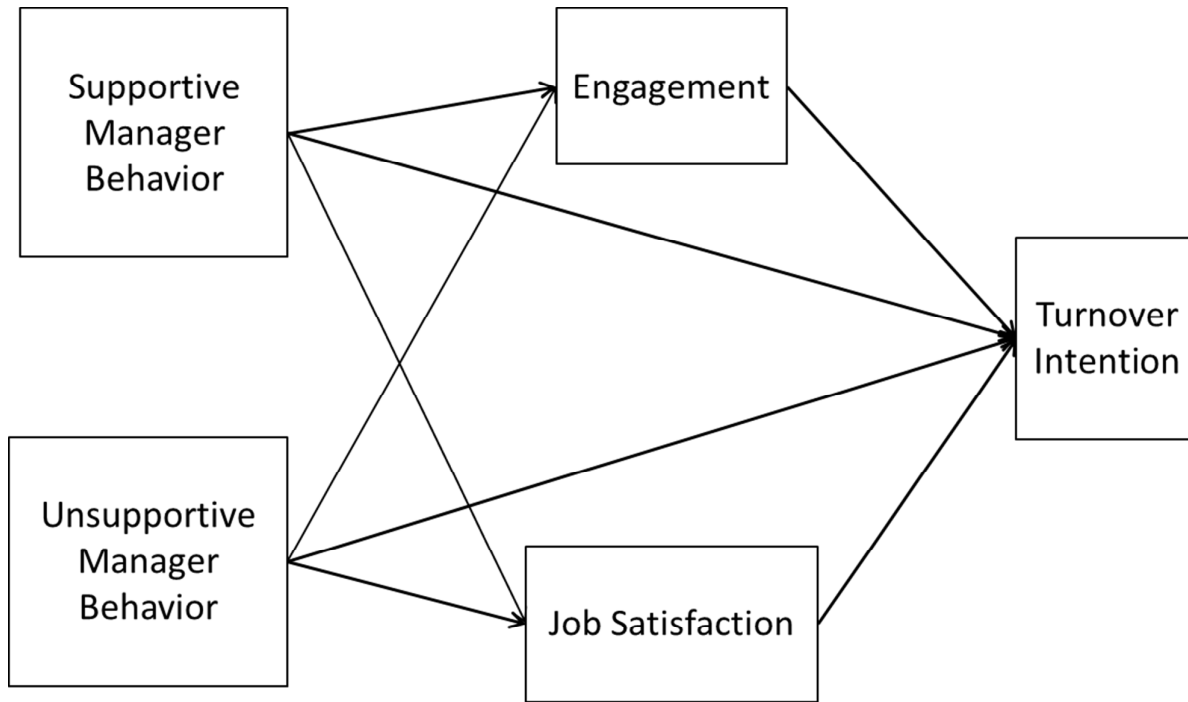
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Personnel Review

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**Figure 1**

*Proposed impact of support-related managerial behaviors on employee measures*

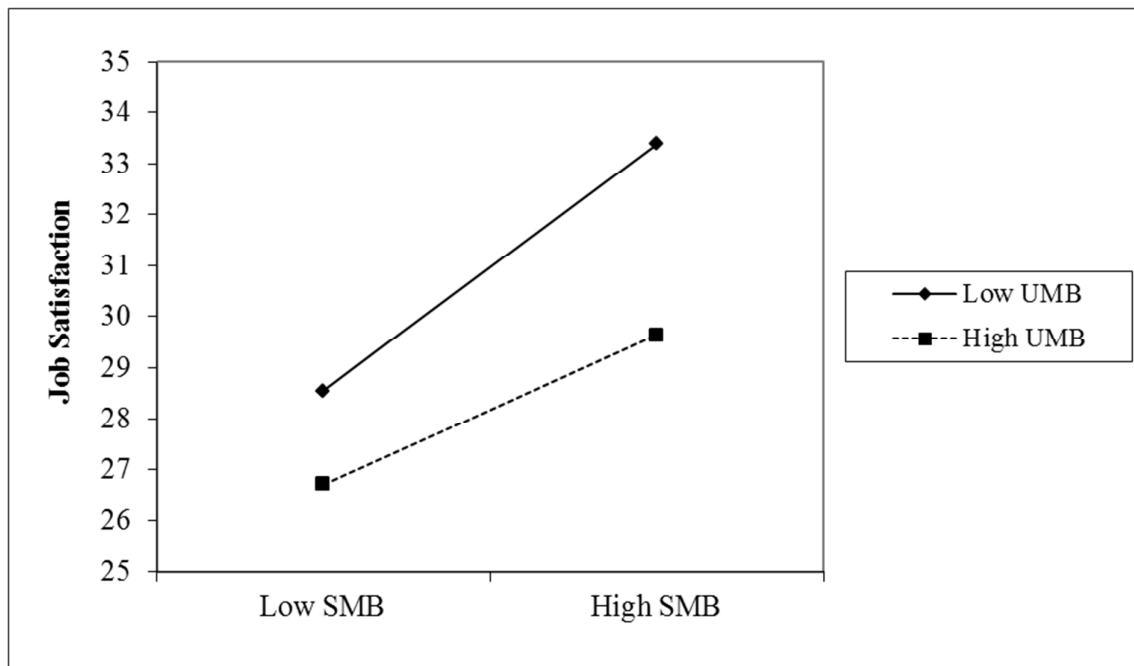


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Figure 2

Interaction between SMB and UMB on job satisfaction



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**Table 1**

*Means, Standard Deviations and Correlations for Whole Sample*

	Mean	SD	1	2	3	4	5
1. SMB	36.04	7.03	<b>.94</b>	-.713	.449	.535	-.499
2. UMB	6.17	3.82		<b>.94</b>	-.317	-.490	.394
3. Engagement	46.13	12.45			<b>.94</b>	.715	-.609
4. Job Satisfaction	25.4	4.57				<b>.83</b>	-.648
5. Turnover Intention	3.85	2.65					<b>.74</b>

*Note.* p<.001. for all correlations (1-tailed hypotheses); n=252; Coefficient alpha reliabilities are reported along the diagonal.

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**Table 2***Structural Model Paths, Estimates and Significance*

	Model Paths		Unstand. Est.	Stand. Est.	S.E	C.R	P
W.E	<---	SMB	.954	.545	.199	4.801	***
J.S	<---	SMB	.530	.434	.133	3.991	***
J.S	<---	UMB	-.306	-.229	.148	-2.064	.039
W.E	<---	UMB	.161	.084	.221	.731	.465
T.I	<---	J.S	-.380	-.635	.062	-6.157	***
T.I	<---	W.E	-.067	-.161	.036	-1.871	.061

*Model fit statistics:*  $\chi^2$  (46) = 90.7,  $p < .001$ ; RMSEA = .06 [C.I. .04-.09], CFI = .98, NFI = .97, IFI = .98. SMB = Supportive management behaviors, UMB =; J.S = Job Satisfaction; W.E. = Work engagement; T.I = Turnover intentions. C.R = Critical ratios; S.E = Standard error.

\*\*\* $p < .001$ . Results of the final model controlling common-method bias.

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**Table 3***Summary of hierarchical regression analyses with SMB x UMB interactive terms*

Step	Predictor	Engagement	Job Satisfaction	Turnover Intention
Step 1	Gender	.050	-.030	-.079
	Age	-.010	-.106	.118
	Tenure	-.034	.028	-.035
	Manager/employee status	-.211**	-.109	.066
	$\Delta R^2$	.046*	.022	.019
Step 2	SMB	.447**	.368**	-.437**
	UMB	-.002	-.230**	.083
	$\Delta R^2$	.200**	.307**	.248**
Step 3	SMB x UMB	-.114	-.149*	.006
	$\Delta R^2$	.009	.015*	.001

\*p&lt;.05. \*\*p&lt;.001

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