

## Демонстрационный вариант и методические рекомендации

### Профиль: «HR аналитика»

Время выполнения задания – 180 минут, язык выполнения задания – русский

Прочитайте статью<sup>1</sup> и сделайте её критический анализ на русском языке.

#### Introduction

Amounting body of research extols the benefits of an engaged workforce. Research has revealed that employee work engagement is positively related to life and job satisfaction (*e.g.*, Hakanen, Schaufeli, 2012; Saks, 2006), task performance (*e.g.*, Bakker *et al*, 2004), and work ability (Airila *et al*, 2012), and negatively related to absenteeism (Schaufeli *et al*, 2009), deviant behavior (*e.g.*, Shantz *et al*, 2013; Sulea *et al*, 2012), and turnover intentions (*e.g.*, Halbesleben, 2010). In light of these findings, researchers have argued the necessity of focusing on ways to increase employee work engagement (*e.g.*, Bakker, 2011). In the search to discover the antecedents of work engagement, the possibility that the relationship between work engagement and work outcomes varies as a function of a moderating variable has yet to be examined. As Parker and Griffin (2011) noted, low levels of work engagement do not necessarily imply correspondingly low levels of desirable work outcomes (*e.g.*, higher turnover intentions and deviant behavior). This is because other resources in the work environment may buffer the effects of lower levels of engagement.

Based on Parker and Griffin's (2011) arguments, the major hypothesis tested in the present study is that a low level of work engagement may not always lead to lower levels of desirable work outcomes. This is because relatively disengaged employees may exhibit lower levels of turnover intentions and deviant behavior because of other available resources in the work environment. In the present study, we jointly apply conservation of resources theory (Hobfoll, 2001, 2002) and the buffering hypothesis (Caplan, 1974) to argue that an organizational resource, that is, perceived organizational support (POS; Eisenberger *et al*, 1986) may compensate for a low level of work engagement.

The present study was designed to contribute to the literature in four ways. First, we identify a possible moderator of the relationship between employee work engagement and turnover intentions and deviant behavior. Although some research has examined interactions among personal and job-related factors as antecedents of work engagement (*e.g.*, Hakanen *et al*, 2005; Hakanen, Lindbohm, 2008), to date, no empirical studies have examined a boundary condition of the relationship between engagement and important individual outcomes. Whetten (1989) and subsequently Colquitt and Zapata-Phelen (2007) argued that a theory describes the conditions under which a hypothesized relationship holds (*e.g.*, moderators). Thus, examining POS as a moderator enhances engagement theory by identifying conditions under which the relationship between engagement and its outcomes are amplified or attenuated. Moreover, assessing an organizational moderator, that is, POS, is also of practical significance for managing the relationship between engagement and work behavior. To the extent that POS acts as a moderator, organizations can reduce the likelihood that employees who are relatively disengaged with their work will have higher intentions to quit and engage in deviant behavior at work.

The present study also contributes to engagement theory by positioning work engagement as a work-related energy resource that is interchangeable with other resources (Gorgievski-Duijvesteijn, Hobfoll, 2008). Although prior research has applied conservation of

---

<sup>1</sup> Подготовлена на основе: Shantz A., Alfes K., Latham G. The buffering effects of Perceived Organizational Support on the relationship between work engagement and behavioral outcomes // *Human Resource Management*. 2016. Vol. 55. № 1.

resources theory to work engagement theory (e.g., Bakker et al, 2007; Hakanen et al, 2011; Halbesleben et al, 2009; Schaufeli, Salanova, 2007), these studies have theorized that engagement is an outcome of job resources. In the present study, consistent with Gorgievski-Duijvesteijn and Hobfoll (2008), we conceptualized engagement as an energetic resource in and of itself.

Third, the present study contributes to a body of research that positions POS in terms of resource allocation (e.g., Hochwarter et al, 2006; Panaccio, Vandenberghe, 2009; Witt, Carlson, 2006). Although POS has traditionally been viewed as a social exchange process in that it sets the basis for exchange relationships (Blau, 1964; Eisenberger et al, 1986), researchers have suggested that POS also acts as a resource from which employees may draw. Consistent with conservation of resources theory, we hypothesized that low levels of engagement implies depletion of a work-related energy resource (e.g., engagement), which can be compensated for by an organization-related resource (e.g., POS).

A fourth contribution of this study is that we examine the relationship between engagement and turnover intentions and deviant behavior. Two meta-analyses show that there are far fewer empirical studies that have examined the relationship between engagement and these two outcome variables, relative to organizational commitment and job performance (Christian et al, 2011; Halbesleben, 2010). Although the results of these meta-analyses clearly support the relationship between engagement and positive work-related attitudes and behaviors, there is a need for research on the extent to which engagement leads to less desirable outcomes for organizations, such as turnover intentions and deviance. Moreover, few studies that have examined the relationship between engagement and turnover intentions, and none of the studies that have examined the relationship between engagement and deviance have employed lagged dependent measures. Hence, the present study contributes to the turnover and deviant behavior literatures by enhancing the external validity of prior research that has positioned engagement as a determinant of these outcomes.

## **Theoretical Background and Hypotheses**

### **The Effect of Work Engagement on Turnover Intentions and Deviant Behavior**

Schaufeli and Bakker (2004) operationalized work engagement as an active, positive, work-related state that encompasses three dimensions, namely, vigor, dedication, and absorption. Vigor is characterized by high levels of energy and mental resilience; dedication refers to being strongly involved in one's work and feeling enthusiastic about it; and absorption refers to being fully concentrated and engrossed in one's work so that time passes quickly. The *job demands resources model (JD-R)* has been extensively applied in the literature to explain employee burnout and work engagement (Bakker, Demerouti, 2007; Demerouti et al, 2001; Hakanen et al, 2006). The JD-R model specifies two processes that are caused by different personal and work-related factors. In the health impairment process, high job demands exhaust employees' mental and physical resources, leading to employee burnout, and to subsequent health problems. In contrast, the motivational process predicts that job resources foster employee engagement, leading to positive attitudes and behaviors at work.

In the present study, we focus on the part of the JD-R model that predicts that engagement is related to valued organizational outcomes, in particular, lower turnover intentions and deviant behaviors directed toward the organization. Turnover intentions are considered the penultimate step in a sequence of withdrawal behavior because previous studies have shown that intention to leave is positively related to actual turnover (Mobley et al, 1978). Deviant behavior are behaviors such as theft, damaging an organization's property, arriving late to work, and taking unauthorized breaks. Hence, deviant behavior negatively impacts the organization and threatens its well-being (Robinson, Bennett, 1995).

There are a number of reasons to expect that work engagement is negatively related to turnover intentions and deviant behavior. First, the experience of engagement is described as a fulfilling positive work-related state of mind (Schaufeli, Bakker, 2004) and is positively related

to good health and positive affect (Avey et al, 2008; Sonnentag, 2003). Such positive experiences and emotions serve as energetic resources that are likely to result in an employee's desire to remain in the organization. Moreover, since employees who engage in deviant behavior also tend to experience negative emotions (Fox et al, 2001), engaged employees may be less likely to commit deviant acts.

Second, according to social exchange theory (Blau, 1964), when both the employee and employer abide by exchange rules, the result is a trusting and loyal relationship (Cropanzano, Mitchell, 2005). Saks (2006) argued that employees who are engaged at work experience a reciprocation of favorable exchanges with their organization. As a result, employees who are engaged are likely to have positive relationships with their employer and will therefore be likely to report intentions to remain in the organization. Similarly, employees in a positive exchange relationship with their employer are likely to refrain from committing acts of deviant behavior in order to maintain the quality of their relationship (e.g., Murphy et al, 2003).

Third, engaged employees are likely to find it difficult to detach from their work because they have invested so much energy into it, and they identify with the work that they do (Schaufeli, Bakker, 2004). Changing jobs may be a risky investment of time and effort that engaged employees are unwilling to take (Halbesleben, 2010). Committing acts of deviance is also risky for engaged employees. Given their energetic resources, engaged employees may not purposefully commit acts that are designed to harm the organization because of the negative consequences that are likely to ensue.

The results of a meta-analysis of four studies showed a moderate relationship between engagement and turnover intentions (Halbesleben, 2010). Two cross-sectional studies have revealed the negative relationship between work engagement and deviance (Shantz et al, 2013; Sulea et al, 2012). Although there are exceptions (e.g., Schaufeli et al, 2009), most research on the outcomes of engagement have used cross-sectional designs. The present study uses a lagged measure of turnover intentions and deviant behavior to test the following hypotheses:

**H1:** *Employee work engagement is negatively related to subsequent turnover intentions.*

**H2:** *Employee work engagement is negatively related to subsequent deviance.*

### **The Buffering Effect of Perceived Organizational Support**

Research in human resource management (HRM) has focused on identifying ways to increase engagement. However, there appears to be a presumption in the literature that engagement is the key to unlocking productivity. We questioned this presumption by examining a possible moderator of the relationship between engagement (whereby a low level of engagement is operationalized as one standard deviation below the sample mean) and work-related outcomes, namely, an employee's POS.

POS refers to employees' global beliefs concerning the extent to which their organization values their contributions and cares about their well-being (Eisenberger et al, 1986). This variable was chosen by the present researchers because prior research has established its buffering role on negative workplace phenomena (e.g., Schat, Kelloway, 2003). Moreover, a number of studies have found direct negative relationships between POS and turnover intentions and deviant behavior (e.g., Colbert et al, 2004; Rhoades et al, 2001). Prior research has also identified POS as an antecedent of work engagement (e.g., Kinnunen et al, 2008). However, there are also theoretical reasons to hypothesize that POS moderates the relationship between relatively low levels of engagement and turnover intentions and deviant behavior. Both Hobfoll's (1989) conservation of resources theory and Caplan's (1974) buffering hypothesis suggest that POS may compensate for relatively lower levels of engagement.

Conservation of resources theory rests on the tenet that individuals strive to obtain, retain, foster, and protect valued resources. Resources have intrinsic and/or instrumental value. They comprise materials (e.g., income), conditions (e.g., work environment), personal resources (e.g., self-efficacy), and energy resources (e.g., engagement). When a loss or threat of a loss

occurs, people engage in efforts to avoid further loss. Doing so can influence an individual's health, well-being, and behavior (*Gorgievski-Duijvesteijn, Hobfoll, 2008; Hobfoll, 2001*).

Research has positioned both engagement and POS as resources from which an employee may draw in the workplace. *Gorgievski-Duijvesteijn and Hobfoll (2008)*, for example, described engagement as an “intrinsic energetic resource” that is inherently pleasant. When employees' energetic states are altered from their optimal level, employees are likely to experience negative outcomes. POS is likewise an important resource. A high level of POS implies the provision of support for workers (*Kraimer et al, 2001*) in terms of both socio-emotional needs and in terms of equipment, funding, technology, and physical assistance (*Eisenberger et al, 1986*).

*Hobfoll, Freedy, Lane, and Geller (1990)* emphasized that an important component of conservation of resources theory is the “substitution hypothesis.” They suggested that people are motivated to protect resources that are valued, especially those that protect their identity. Resource substitution is a means to attain these goals (*Hobfoll, Leiberma, 1987*). The substitution hypothesis suggests that resources are substitutable for one another to meet the demands caused by a loss or a threat of a loss of resources. Hence, if one resource is low, another may compensate for it. *Hobfoll et al (1990)* also argued that any resource that fits the environmental circumstance may substitute for other resources, respectively.

Accordingly, we hypothesized that employees with a depleted work-related energy resource, such as engagement, may draw from a different work-related resource, such as POS. POS is likely to compensate for lower levels of work engagement since it has been shown to effectively counterbalance unfavorable internal and external conditions (*e.g., Byrne, Hochwarter, 2006; Hochwarter et al, 2006; Kinnunen et al, 2008*). For example, *Hochwarter et al (2006)* found that social skill was more strongly related to performance among employees who reported low rather than high levels of POS. Consistent with their research, we hypothesized that relatively disengaged employees who have high levels of POS are likely to maintain their motivation to remain employed with the organization and refrain from committing deviant acts.

Support for this hypothesis can be inferred from social exchange theory, which states that when an organization provides both tangible and intangible resources, employees will reciprocate in kind (*Blau, 1964; Saks, 2006*). Our theoretical model builds on both social exchange theory and conservation of resources theory. The former predicts that if employees are not engaged with work, they will reciprocate with poorer job attitudes and behaviors. Conservation of resources theory suggests that this may not always be the case; if employees are able to replace engagement with another resource (*i.e., POS*), they will have lower turnover intentions and deviant behavior. Employees who are already well resourced (relatively high levels of engagement), however, may not require an additional pool of resources to draw from.

These assertions are consistent with *Caplan's (1974)* buffering hypothesis, which states that support ameliorates the deleterious effects of stress on an individual's health and well-being, and that support has little or no impact on individuals who are not stressed. Research in HRM has shown that POS can buffer the negative effects of experiencing mistreatment in organizations. For example, *Schat and Kelloway (2003)* found that victims of violence who reported feeling supported by their organization reported less decline in emotional well-being, physical health, and job-related positive affect compared to victims who did not feel supported. Similarly, *Miner, Settles, Pratt-Hyatt, and Brady (2012)* found that at low levels of POS, incivility had a positive relationship with physical illness and a negative relationship with job satisfaction. However, at high levels of POS, there was no significant relationship between incivility and either outcome measure. These findings suggest that employees may have lower turnover intentions and enact fewer deviant behaviors even when they feel disengaged from their work, provided that they feel supported by their organization. At high levels of engagement, however, POS may be less influential on these three outcomes.

On the basis of conservation of resources theory and the buffering hypothesis, we hypothesized that POS buffers the negative influence of lower levels of engagement on work-

related outcomes. When engagement is low, POS has a compensatory effect. Thus, positive work-related outcomes are higher than if engagement and POS are both low (and vice versa). Thus, the following hypotheses were tested:

**H3:** *POS moderates the relationship between employee work engagement and turnover intentions such that POS compensates for relatively low levels of work engagement.*

**H4:** *POS moderates the relationship between employee work engagement and deviant behavior such that POS compensates for relatively low levels of work engagement.*

## **Method**

### *Participants and Procedure*

The organization that employed the participants in this study is a UK-based plastics manufacturer that produces blow-molded plastic bottles for the food and drink industry. All 509 employees were invited to complete two surveys administered 12 months apart. In both surveys, employees were informed of the purpose of the study and assured anonymity. Specifically, they were informed that individual responses would not be shared with the organization and that the data would be used solely for research purposes.

All employees were given time to complete the surveys at work, and they were asked to return them directly to the research team. In the first survey, individuals rated their perceptions of organizational support and their level of work engagement, as per the measures described later. From the sample of 509 employees, 284 questionnaires were completed, constituting a response rate of 56 percent.

Twelve months later, all employees who participated in the first survey were invited to take part in the second survey, following the same procedures used previously. Employees rated their turnover intentions and the frequency with which they engaged in deviant behavior. A one-year follow-up was chosen because engagement is defined as a persistent psychological state that does not change very much in the short term (*Schaufeli et al, 2009; Schaufeli, Salanova, 2007*).

One hundred seventy-five employees completed the second survey, constituting a response rate of 62%. Of the resulting sample, 90.8% were male. The mean age of the employees was 40.43 years ( $SD = 11.24$ ). Their average tenure with this organization was 7.07 years ( $SD = 5.55$ ). The sample consisted of employees in a number of different occupations, namely, senior managers (5.3%), administrative and support (5.6%), managers (15%), skilled trades (13.5%), machine operators (56%), and elementary occupations such as janitors (1.1%). However, 3.5% of the sample indicated “other” when asked about their job role. The hypotheses were tested using the sample of employees who participated in both surveys ( $n = 175$ ).

## **Measures**

### **Employee Work Engagement**

Employee work engagement was assessed with the nine-item version of the Utrecht Work Engagement Scale (*UWES-9; Schaufeli et al, 2006*). This scale has been used in numerous studies (*e.g., Fairlie, 2011; Seppala et al, 2009; Xanthopoulou et al, 2009*) and has been shown to have both high internal consistency and test-retest reliability, as well as discriminant, convergent, and construct validity (*Schaufeli et al, 2006; Seppala et al, 2009*). Each facet of work engagement, namely, absorption (*e.g., “I am immersed in my work”*), dedication (*e.g., “I am enthusiastic about my job”*), and vigor (*e.g., “At work, I feel full of energy”*) was assessed with three items and a 7-point rating scale from 1 (“never”) to 7 (“always”) for all subscales. The subscales were combined to measure the overall level of work engagement.

### **Perceived Organizational Support**

POS was measured with a four-item, 7-point version of the *Survey of Perceived Organizational Support* (*Eisenberger et al, 1986*). Participants responded to items such as “My organization really cares about my well-being.” Rhoades and Eisenberger (2002) stated that “because the original scale is uni-dimensional and has high internal reliability, the use of shorter

versions does not appear problematic.” Alfes, Shantz, Truss, and Soane (2013) found that this four-item measure was reliable ( $\alpha = .91$ ).

### Turnover Intentions

Turnover intentions were measured using a two- item measure from Boroff and Lewin (1997), which in their study was reliable ( $\alpha = .80$ ): “During the next year, I will probably look for a new job outside my current employer” and “I am seriously considering quitting my current employer for an alternative employer.”

### Deviant Behavior

Deviant behavior toward the organization was measured with four items adapted from Bennett and Robinson (2000). A sample item is: “In the past 6 months, how frequently have you taken an additional or longer break than is acceptable in your workplace?” The response scale ranged from 1 (“never”) to 7 (“always”). Prior research has found that this scale is reliable (e.g., Shantz et al., 2013,  $\alpha = .81$ ).

### Control Variables

In a meta-analysis of the correlates of turnover, Griffeth, Hom, and Gaertner (2000) found that gender moderated the relationship between age and turnover, and employee age moderated the tenure-turnover relationship. In a meta-analysis of the correlates of deviance, Berry, Ones, and Sackett (2007) found that age, being female, and tenure were negatively related to deviance. Consequently, gender (1, female; 0, male), age, and tenure were used as control variables. In addition, we controlled for well-being, a proxy for positive affect (Soane et al, 2013). The literature on happiness suggests that current feelings are integrated into global assessments of affective well-being (Schwarz, Clore, 1983; Schwarz, Strack, 1999). Positive affect may partially explain the correlations among the self-report data items. Goldberg's (1978) measure of well-being was used (e.g., “I don't lose sleep over work-related issues”) because it has demonstrated high levels of reliability and validity.

## Results

### Descriptive Statistics

Scale reliabilities, means and standard deviations, and interscale correlations for all variables are presented in Table I.

TABLE I Descriptive Statistics, Correlations, and Scale Reliabilities										
	Alpha	Mean	SD	1	2	3	4	5	6	7
1 Age	—	40.45	10.59							
2 Gender	—	.12	.32	-.03						
3 Tenure	—	7.07	5.55	.49**	-.13					
4 Well-being	.77	5.54	.97	.03	.08	-.01				
5 Engagement	.92	4.77	1.08	.25**	.27**	.01	.45**			
6 POS	.95	4.61	1.47	.16	.23**	.36**	-.08	.61**		
7 Turnover Intentions	.91	3.20	1.85	-.22**	.01	-.23**	-.21*	-.31**	-.29**	
8 Deviant Behavior	.73	2.14	1.03	-.33**	-.15	-.26**	-.20*	-.32**	-.24**	.33**

\* $p < .05$ ; \*\* $p < .01$ .

POS = perceived organizational support.

We examined whether the participants who completed the first survey ( $n = 284$ ) reported substantially different levels of POS and engagement versus those who completed both surveys ( $n = 175$ ). Engagement and POS were examined using analysis of variance (ANOVA) as a function of a dummy variable reflecting survey 2 participation. There was no significant difference between respondents who only completed the first survey ( $M = 4.21$ ,  $SD = 1.47$ ) versus those who completed both surveys ( $M = 4.68$ ,  $SD = 1.43$ ) in terms of POS ( $F = 1.18$ ,  $p = n.s.$ ). Although the effect size is very small ( $\eta^2 = 0.03$ ), those who did not complete the second survey ( $M = 4.42$ ,  $SD = 1.21$ ) reported lower levels of engagement than those who responded to both surveys ( $M = 4.88$ ,  $SD = 1.42$ ).

We also examined whether the control variables differed between those who completed only the first survey versus those who completed both surveys. Again, there was no significant difference between those who only completed the first survey ( $M = 38.82$ ,  $SD = 13.03$ ) and those

who completed both surveys ( $M = 41.36$ ,  $SD = 10.0$ ) in terms of age. However, those who completed both surveys ( $M = 7.65$ ,  $SD = 5.91$ ) had higher levels of tenure, albeit with a small effect size, than those who completed the first survey only ( $M = 6.09$ ,  $SD = 4.75$ ,  $n^2 = 0.02$ ). A cross-tabulation analysis showed that there was no statistically significant difference in the number of men versus women who completed only the first survey versus those who completed both surveys ( $\chi^2 = 0.57$ ,  $p = n.s.$ ).

### Measurement Models

Because the measures of work engagement, POS, turnover intentions, and deviant behavior were collected from a single source, a series of confirmatory factor analyses were conducted to establish the discriminant validity of these scales. Specifically, a full measurement model was tested. The three facets of work engagement loaded onto a general engagement factor, and all indicators for POS, turnover intentions, and deviant behavior were allowed to load on their respective factors. All factors were allowed to correlate. Six fit indices were calculated to determine how well the model fit the data (*Hair et al, 2005*). For the  $\chi^2/df$  values, less than 2.5 indicates a good fit (*Arbuckle, 2006*). For the goodness-of-fit index (GFI), comparative fit index (CFI), and normed fit index (NFI), values greater than .95 represent a good model fit (*Bentler, 1990; Bentler, Bonett, 1980*). For the root mean square error of approximation (RMSEA) and the standardized root mean square residual (SRMR), values less than .05 indicate a good model fit (*Browne, Cudeck, 1993; Hu, Bentler, 1998*).

The four-factor model showed a good model fit ( $\chi^2 = 60$ ;  $df = 59$ ;  $GFI = 0.95$ ;  $CFI = 1.00$ ;  $NFI = 0.96$ ;  $RMSEA = .01$ ;  $SRMR = .04$ ). Next, sequential  $\chi^2$  difference tests were conducted. Specifically, the full measurement model was compared to six alternative nested models, as shown in Table II. Results of the measurement model comparison reveal that the model fit of the alternative models was significantly worse compared to the full measurement model (all at  $p < .001$ ). This suggests that the variables in this study are distinct.

**TABLE II** Fit Statistics from Measurement Model Comparison

Models	$\chi^2(df)$	GFI	CFI	NFI	RMSEA	SRMR	$\chi^2_{diff}$	$df_{diff}$
Full measurement model	60 (59)	.951	.999	.963	.010	.035		
Model A <sup>a</sup>	187 (62)	.844	.919	.884	.107	.073	127	3**
Model B <sup>b</sup>	482 (64)	.745	.728	.701	.193	.122	422	5**
Model C <sup>c</sup>	329 (64)	.730	.827	.796	.153	.129	269	5**
Model D <sup>d</sup>	187 (62)	.834	.918	.884	.107	.114	127	3**
Model E <sup>e</sup>	309 (64)	.752	.840	.808	.147	.129	249	5**
Model F <sup>f</sup> (Harman's Single Factor Test)	609 (65)	.657	.646	.622	.218	.153	549	6**

\*\* $p < .001$ .

$\chi^2$  = chi-square discrepancy;  $df$  = degrees of freedom; GFI = goodness-of-fit index; CFI = comparative fit index; NFI = normed fit index; RMSEA = root mean square error of approximation; SRMR = standardized root mean square residual;  $\chi^2_{diff}$  = difference in chi-square;  $df_{diff}$  = difference in degrees of freedom. All models are compared to the full measurement model.

<sup>a</sup>Engagement and POS combined into a single factor.

<sup>b</sup>Engagement, POS, and turnover intentions combined into a single factor.

<sup>c</sup>Engagement, POS, and deviant behavior combined into a single factor.

<sup>d</sup>Deviant behavior and turnover intentions combined into a single factor.

<sup>e</sup>Engagement and POS combined into one factor; turnover intentions and deviant behavior combined into a second factor.

<sup>f</sup>Engagement, POS, turnover intentions, and deviant behavior combined into a single factor.

### Hypotheses Testing

Hypotheses 1 and 2 predicted that engagement is negatively related to turnover intentions and deviant behavior, respectively. Correlations presented in Table I show support for these hypotheses. Table III presents the results of regression analyses. The relationships among engagement, turnover intentions, and deviant behavior are significant and negative, after controlling for the control variables. Therefore, Hypotheses 1 and 2 are supported.

Hypotheses 3 and 4 focused on the effect of POS at relatively low levels of engagement. To reduce multicollinearity among the predictor variables and the interaction terms, all variables



were standardized before entering them in the analyses (Aiken, West, 1991). In order to test the hypotheses, we ran hierarchical regressions including an interaction term between POS and engagement on the two outcome measures (see Table III). The presence of a significant interaction means that there is significant moderation (i.e., that the association between the predictor and criterion variables is significantly different across levels of the moderator, or that the association is conditional on values of the moderator). However, the interaction term does not specify the conditions that dictate how the predictor is specifically related to the outcome, which is at question in the present study. Therefore, to examine those with low versus high levels of engagement, simple slopes tests were conducted whereby we examined whether the interaction was significant for those who reported a relatively low level of engagement (one standard deviation below the mean) versus those who reported a relatively high level of engagement (one standard deviation above the mean).

In order to show support for the hypotheses, the results must show significant interaction effects, and the simple slope results must show that the slope of the line for those who report low levels of engagement is significantly different from zero. For those who report relatively high levels of engagement, the slope of the line should not be significantly different from zero. Interaction effects were interpreted consistent with both Aiken and West (1991) and Field (2013).

Hypothesis 3 stated that there is an interaction between engagement and POS on turnover intentions, and that POS compensates for relatively low levels of engagement. The results, shown in Table III, revealed that the interaction term was significant. Therefore, a simple slopes analysis was conducted. The results showed that POS moderated the relationship between employee engagement and turnover intentions for those with lower ( $t = 2.11$ ,  $p < .05$ ), but not higher levels ( $t = -0.07$ , n.s.) of pOs. Thus, Hypothesis 3 was supported.

Hypothesis 4 predicted an interaction between engagement and POS on deviant behavior, such that POS compensates for relatively low levels of engagement. As shown in Table III, the interaction term is significant for deviant behavior. The simple slopes analysis revealed that POS was significant for low ( $t = -2.64$ ,  $p < .05$ ), but not high ( $t = -.18$ , n.s.) levels of POS. Thus, support was obtained for Hypothesis 4.

The plots for the significant interactions are shown in Figures 1 and 2.

	Turnover Intentions				Deviant Behavior			
	$\beta$ (SE) <sup>a</sup>	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Gender	.02(.46)	.05(.45)	.08(.45)	.07(.44)	-.13(.23)	-.10(.23)	-.09(.23)	-.09(.25)
Age	-.11(.02)	-.02(.02)	-.02(.02)	.03(.02)	.30**(.01)	-.25**(.01)	.24**(.01)	.25**(.01)
Tenure	-.20* (.03)	-.24** (.03)	-.25** (.03)	.24** (.03)	-.12(.01)	-.13(.01)	-.15(.01)	-.14(.01)
Well-being	-.28** (.15)	-.14(.17)	-.12(.17)	-.11(.17)	-.23(.08)	-.12(.08)	-.12(.08)	-.10(.08)
Engagement		-.30(.17)*	-.20(.22)	-.22(.22)		-.22(.08)*	-.12(.11)	-.14(.11)
POS			-.18(.20)	-.17(.20)			-.15(.10)	-.15(.10)
Engagement × POS				.15* (.14)				.17* (.07)
Adj. $R^2$ (change)	.12	.17*	.19**	.21*	.18	.20*	.22*	.24*
F-statistic	5.51**	6.84**	6.06**	6.80**	8.53**	8.01**	7.19**	7.11**

\* $p < .05$ ; \*\* $p < .01$ .

POS = perceived organizational support.

<sup>a</sup> $\beta$  = standardized regression coefficient (SE = standard error).

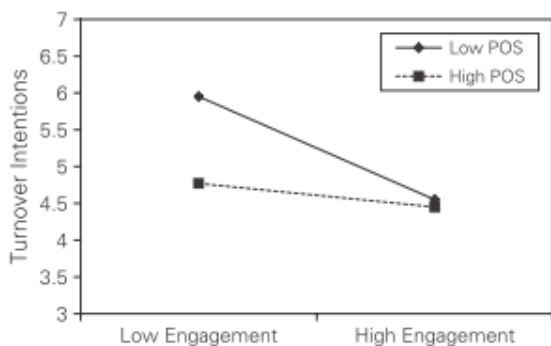
$n = 175$ .

## Discussion

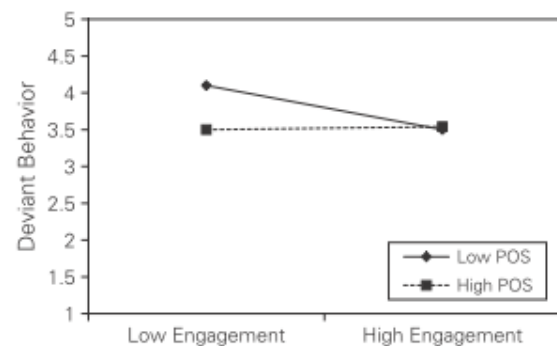
The main findings from the present study indicate that POS compensates for relatively low levels of work engagement. Employees who were relatively disengaged were no more likely to report intentions to leave the organization, or to engage in deviant behavior than those who were engaged if they perceived that their work environment was supportive. In other words, a low level of work engagement was associated with a higher level of turnover intentions and deviance only when those employees did not perceive that they were supported by their organization.

These findings lend support to conservation of resources theory and the substitution hypothesis in particular. The theory states, and the present data suggest, that seeking ways to replace a depleted resource is a direct way to offset the loss of another resource (*Hobfoll et al, 1990*). Although employees who are relatively disengaged are lacking in work-related energy resources (*Gorgievski-Duijvesteijn, Hobfoll, 2008*), the results of the present study suggest that they are able to recoup their loss with the support they perceive that they receive from the organization.

The present findings are also consistent with Caplan's (1974) buffering hypothesis. Despite the fact that the hypothesis was developed to explain the effect of support on the outcomes of stress, the results of the prior empirical work in support of the buffering hypothesis shows a strikingly similar resemblance to the pattern of results found in the current study. Indeed, our results confirmed the applicability of Caplan's hypothesis to explaining the relationships among engagement, POS, and employee outcomes in that we found that POS appears to compensate for a low level of employee engagement.



**FIGURE 1.** The Interaction of Perceived Organizational Support (POS) and Engagement on Turnover Intentions



**FIGURE 2.** The Interaction of Perceived Organizational Support (POS) and Engagement on Deviant Behavior

The contributions to engagement theory are at least twofold. First, prior research has focused on the interactive effect of job demands and resources on work engagement and burnout. For example, several studies have shown that job, personal, and social resources buffer the impact of job demands on stress reactions (*e.g., Hakanen et al, 2005; Hakanen, Lindbohm, 2008; Xanthopoulou et al, 2007*). In addition, research has revealed that job resources in particular have motivational potential when job demands are *high* (*e.g., Bakker et al, 2007*). No research, to our knowledge, has examined moderators in the subsequent stages of the JD-R model, that is, between work engagement and its subsequent outcomes. Hence, our first contribution to engagement theory is the identification of a boundary condition on a hypothesized relationship within the JD-R model. As the JD-R model continues to develop, an important line of research involves the identification of additional moderators that either amplify or attenuate the relationship between engagement and its outcomes.

Our second contribution to engagement theory lies in the manner in which we conceptualized engagement using conservation of resources theory. A number of researchers have begun to use the JD-R model and conservation of resources theory concomitantly to explain the correlates of work engagement (*e.g., Hakanen et al, 2011*). However, in these studies, job resources, as posited in the JD-R model, are treated as analogous to “resources” as posited by the

conservation of resources model. In particular, it has been argued that engagement is most likely to occur when employees have high levels of work-related resources (*Bakker et al, 2007; Halbesleben et al, 2009; Schaufeli, Salanova, 2007*).

In the present study, we conceptualized engagement both as a positive work-related state and as an energetic resource in and of itself (*Gorgievski-Duijvesteijn, Hobfoll, 2008*). These descriptions of engagement – as a state and resource – are compatible in that a positive state can serve as an energetic resource (*Mauno et al, 2007*). Much like Xanthopoulou, Bakker, Demerouti, and Schaufeli (2009) who have added to the JD-R model by arguing that self-efficacy, organization-based self-esteem, and optimism are “personal resources,” engagement may also be considered an “energetic resource” that is interchangeable with other job and personal resources. More empirical work is needed to fully delineate how the two theories work together to explain engagement in work settings.

Although POS is a central construct in social exchange theory, the present study joins a small collection of studies that have conceptualized POS as an important resource that can buffer the negative consequences of work-related attitudes and states (*e.g., Hochwarter et al, 2006; Panaccio, Vandenberghe, 2009; Witt, Carlson, 2006*). The two theoretical frameworks used in the present study are compatible in that social exchange theory suggests that at low levels of POS, employees experience negative outcomes; conservation of resources theory, however, is complementary in the addendum that low levels of POS may cause employees to replace that lost resource with a different resource. The result of such replacement is a reduction of negative outcomes. Hence, the present study suggests the versatility of POS in that it can be seen not only as the basis of social exchange relationships, but also as an organization-based resource that employers can provide to employees.

Fourth, the results of this study contribute to the literatures on turnover intentions and deviance. Although meta-analyses have demonstrated a positive relationship between engagement and positive job attitudes and behaviors (*Christian et al, 2011; Halbesleben, 2010*), there are far fewer studies that have examined the relationships between engagement, turnover intentions, and deviant behavior. Moreover, we used lagged outcome measures. Doing so reduces the effect of transient mood on survey response (*Podsakoff, Organ, 1986*). In addition, the present findings contribute to these two literatures by examining how this combination of job- and organization-related resources can explain the variability of turnover intentions and deviant behaviors.

## Conclusion

The purpose of the present study was to examine a boundary condition of the relationships between engagement with turnover intentions and deviant behavior. The results from this study reveal that although low levels of work engagement is indeed related to high levels of turnover intentions and deviant behavior, high levels of POS buffer the relationship between engagement and these two outcome measures. The present findings suggest that emphasizing ways to heighten levels of work engagement is laudable, but it is not a sole or necessary condition for low turnover intentions and deviant behavior. HR managers should also focus on ways to increase POS in the eyes of an organization's employees.

## Вопросы для размышления

1. Каковы основные проблемы, рассматриваемые в статье?
2. Какие из приведённых в статье исследовательских методов и выводов по результатам исследования представляются Вам спорными, недостаточно обоснованными? Почему?
3. Каковы ограничения проведённого исследования?
4. Каковы направления использования результатов этого исследования в сфере управления человеческими ресурсами?

5. Являются ли рассмотренные в статье проблемы актуальными для российских организаций / организаций в Вашей стране?

## МЕТОДИЧЕСКИЕ РЕКОМЕНДАЦИИ

Участникам олимпиады предлагается для выполнения одно письменное творческое задание, которое оценивается по 100-балльной шкале.

Творческое задание представляет собой *научную статью на английском языке* по профилю «HR-аналитика» с вопросами для размышления.

В ходе выполнения творческого задания участник олимпиады должен прочитать предложенную научную статью (в том числе, намеренно содержащую спорные суждения, точки зрения, неточные выводы и т.п.) и, на основании сформулированных к статье вопросов для размышления, сделать ее критический анализ, дать свое *обоснованное и аргументированное оценочное суждение в письменном виде на русском языке*.

*Важно помнить*, что сформулированные к статье вопросы для размышления не являются вопросами-заданиями, на которые участнику олимпиады необходимо ответить. Они именно определяют, но *не ограничивают*, направления для размышления в рамках критического анализа материала и проблем статьи.

При подготовке к олимпиаде *особое внимание* следует уделить изучению дисциплин, соответствующих профилю «HR-аналитика»:

Дисциплины, соответствующие профилю магистерской программы	Основная литература
Теория организаций Управление человеческими ресурсами Организационное поведение	<ol style="list-style-type: none"><li>1. Дафт Р. Теория организации. – М.: Юнити, 2006.</li><li>2. Мильнер Б.З. Теория организации. – М.: ИНФРА-М, 2013.</li><li>3. Попова Е.П., Решетникова К.В. Теория организации. – М.: Юрайт, 2016.</li><li>4. Армстронг М., Тейлор С. Практика управления человеческими ресурсами. – СПб: Питер, 2018.</li><li>5. Моргунов Е.Б. Управление персоналом: исследование, оценка, обучение. – М.: ЮРАЙТ, 2019.</li><li>6. Armstrong M., Taylor S. Armstrong's Handbook of Human Resource Management Practice. 14<sup>th</sup> edition. Kogan Page, 2017.</li><li>7. Балабанова Е.С. Организационное поведение. Курс на российской «Национальной платформе открытого образования»: Электронный ресурс. <a href="https://openedu.ru/course/hse/ORGBH/">https://openedu.ru/course/hse/ORGBH/</a></li><li>8. Лютенс Ф. Организационное поведение. – М.: ИНФРА-М, 1999.</li><li>9. Роббинз С.П. Основы организационного поведения. – М.: Вильямс, 2006.</li><li>10. Robbins S.P., Judge T.A. Organizational behavior. 18<sup>th</sup> edition. Boston: Pearson, 2018.</li><li>11. Фитц-Енц Ж., Дэвисон Б. Как измерить HR-менеджмент. – М.: НРРО, 2009.</li><li>12. Фрэнкс Б. Укрощение больших данных. Как извлекать знания из массивов информации с помощью глубокой аналитики. – М.: Манн, Иванов и Фербер, 2014.</li></ol>

*Ответ* (критический анализ научной статьи) должен быть хорошо структурированным, логически последовательным и аргументированным.

При выполнении творческого задания участники олимпиады должны продемонстрировать не только понимание текста статьи, широту знаний соответствующих понятий, теорий, концепций, практических подходов, методов и технологий, но и глубину их понимания, умение грамотно оперировать ими, анализировать их взаимосвязь, а также логически связанно и аргументировано излагать свою точку зрения, делать выводы, давать критическую оценку.

Важными характеристиками «отличного» ответа на творческое задание должны являться умение излагать свои мысли в тексте в стилистике научных работ, а также владение методами научной аргументации. Приветствуются ссылки на монографии, профессиональные источники и литературу, их цитирование, а также практические примеры.

Для освоения специальной англоязычной терминологии по менеджменту см.:

*Городецкая Е.Я., Евсюкова Е.Н., Курылева Л.А. Деловой английский язык для менеджеров: Учебное пособие. – М.: ПРОСПЕКТ, 2015.*

*Колесникова Н.Н., Данилова Г.В., Девяткина Л.Н. Английский язык для менеджеров = English for Managers. – М.: Академия, 2014.*

*Сычева Л.В. Словарь менеджера (Manager's vocabulary): пособие для изучающих «деловой английский». – М.: Издательство ГУ-ВШЭ, 2003.*

*Список литературы для подготовки к экзамену по английскому языку для поступающих на образовательные программы магистратуры по направлению «Менеджмент»*  
НИУ ВШЭ

<https://ma.hse.ru/data/2019/09/30/1543242444/Список%20литературы%20для%20подготовки%20по%20англ.языку.pdf>.

Также рекомендуется посмотреть научные статьи в англоязычных печатных и электронных изданиях, соответствующих профилю «HR-аналитика». Базы данных зарубежной периодики см. на <https://library.hse.ru/e-resources#journals>.

Для понимания современных подходов и методов исследования в менеджменте см.:

*Браймен А., Белл Э. Методы социальных исследований. Группы, организации и бизнес. – Харьков: Издательство «Гуманитарный центр», 2012.*