

Double jeopardy: Subordinates' worldviews and poor performance as predictors of abusive supervision

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Purpose – To test a moderated mediation model where a positive relationship between subordinates' perceptions of a dangerous world – the extent to which an individual views the world as a dangerous place – and supervisory abuse is mediated by their submission to authority figures, and that this relationship is heightened for more poorly performing employees.

Design/methodology/approach – Data were obtained from 173 subordinates and 45 supervisors working in different private sector organizations in Pakistan.

Findings – Our model was supported. It appears that subordinates' dangerous worldviews are positively associated with their perceptions of abusive supervision and that this is because such views are likely to lead to greater submission to authority figures. But this is only for those employees who are performing more poorly.

Implications – We highlight the possibility that individual differences (worldviews, attitudes to authority figures and performance levels) may lead employees to become victims of abusive supervision. As such, our research informs organizations on how they may better support supervisors in managing effectively their subordinate relationships and, in particular, subordinate poor performance.

Originality/value – We add to recent work exploring subordinate-focused antecedents of abusive supervision, finding support for the salience of the previously untested constructs of individual worldviews, authoritarian submission and individual job performance. In so doing we also extend research on dangerous worldviews into a new organizational setting. Finally, our research takes place within a new Pakistani context, adding to the burgeoning non-US based body of empirical work into the antecedents and consequences of abusive supervision.

Keywords Abusive supervision, Authoritarian submission, Subordinate's performance, Dangerous worldviews, Victim precipitation theory, Dual process model

Introduction

Abusive supervision refers to, “subordinates’ perceptions of the extent to which supervisors engage in the sustained display of hostile verbal and nonverbal behaviors, excluding physical contact” (Tepper, 2000, p. 178). Examples of abusive supervisory behaviors include public ridicule (Tepper, 2000), employing the silent treatment, explosive outbursts, aggressive eye contact (Zellars, Tepper, & Duffy, 2002), breaking promises, invading privacy, lying, taking credit for subordinates’ work (Harris, Kacmar, & Zivnuska, 2007), supervisors’ violations of normative standards (Unal, Warren, & Chen, 2012), and purposely withholding needed information (Zellars et al., 2002). A growing scholarly interest in abusive supervision has emerged as more research has shown it to not only negatively affect the attitudes and behaviors of employees but also bring significant economic costs to the organization (Avey, Wu, & Holley, 2015; Decoster, Camps, Stouten, Vandevyvere, & Tripp, 2013; Palanski, Avey, & Jiraporn, 2014; Tepper, 2007; Tepper, Duffy, Hoobler, & Ensley, 2004).

While the majority of current research has tended to focus on these consequences of abusive supervision, more recently attention has turned to questions regarding its potential antecedents or predictors (e.g., Tepper, Moss, & Duffy, 2011). To this end, several factors have been identified, including supervisors’ perceived relationship conflict (Tepper et al., 2011), perceptions of interactional justice (Aryee, Chen, Sun, & Debrah, 2007), and attribution style (Martinko, Harvey, Sikora, & Douglas, 2011). We noted that most of these studies have been focused on the supervisors’ characteristics and perceptions and far less is currently known about the potential roles played by subordinates’ own characteristics or cognitions as antecedents of perceived abusive supervision. In other words, are there subordinate characteristics that may leave them more prone to perceived or actual abusive supervision?

Recent work by Henle and Gross (2014) and Wang, Harms, and Mackey (2015) has begun to ask this question, examining whether subordinates' personalities might foster their perceptions of supervisory abuse. For example, Henle and Gross (2014), applying victim precipitation theory, found that employees lower in emotional stability or conscientiousness are more likely to report higher levels of supervisor abuse because they experience more negative emotions. In short, low conscientiousness and emotional instability are seen as provocative personality traits; traits that are more likely to cause tension and hostility in interpersonal relationships (e.g., Kim & Glomb, 2010). Employees who exhibit such traits, therefore, are said to attract victimization – such as abusive supervision – because of the frustration and hostility these traits instill in their supervisors (Henle & Gross, 2014).

Our research seeks to extend this work on victim precipitation theory and subordinate perceptions of abusive supervision by applying the dual process model (DPM) of ideology and prejudice to explore the independent and interdependent antecedent roles of two previously untested subordinate-focused individual difference variables, namely subordinates' social worldviews and ideological attitudes (authoritarian submission). We also extend limited extant research that examines subordinates' job performance as a potential moderator of perceived abusive supervision.

Our study thus meets recent calls for additional empirical research that explores new subordinate-focused antecedents of abusive supervision (e.g., Martinko, Harvey, Brees, & Mackey, 2013; Tepper, 2007). We also extend this research into the antecedents of abusive supervision research by developing a new theoretical model that effectively synthesizes and applies DPM and victim precipitation theory (VPT). Moreover, we conduct an empirical test of this model within a new organizational/workplace context. The majority of social worldviews

and DPM research has been conducted at a societal/national level of analysis – exploring, for example, the effects of social worldviews on individual sociopolitical orientations (Mowle, 2003) and collective religious orientation (Sire, 2004). Testing these constructs within an organizational/workplace context thus provides the social worldviews and DPM literatures with an important extension of their generalizability and utility.

Finally, we only found one study that explored the outcomes of abusive supervision within a Pakistani context (Khan, Qureshi & Ahmed, 2010) and some related research on workplace bullying within the same context (e.g., Bashir & Hanif, 2011). This limited research highlights the importance of studying non-Western countries such as Pakistan. As a relatively high power distance culture, Pakistani society is often described as supporting high inequalities of power and wealth (Hofstede, 2001). The deference to authority associated with such cultures certainly speaks to our interest in employees' authoritarian submission and perceptions of abusive supervision. For instance, we may expect individuals from such cultures to be more submissive to authority and less sensitive to abusive supervisory behaviors – and thus less likely to report such abuses – than those from a lower power distance US cultural context. Our study thus extends research into a new, Pakistani, national and cultural context providing the literature with essential tests of generalizability regarding the key antecedents of abusive supervision.

This work also provides managers with new practical insights, and thus potential solutions, to the emergence and development of employee perceptions of abusive supervision. Recent research has informed managers that their own personality traits, relationship orientations and attitudes towards work may influence their propensity and likelihood to enact abusive supervision and useful training and support has potentially emerged from this work (e.g., Martinko et al., 2011). Our research extends this work, informing managers, and their employers,

that the values, worldviews, and performance levels of their subordinates may also initiate their abusive supervisory behaviors and that support and training for managers in this regard may help mitigate against this.

Theory and Hypotheses

Dangerous Worldviews and Authoritarian Submission: The Dual-Process Model (DPM)

Social worldviews are relatively stable interpretations, beliefs or schema about the social world and other people within that world (Goldberg, 2009; Perry, Sibley, & Duckitt, 2013; Rokeach, 1960; Ross, 1993). They are said to be formed and influenced by individuals' day to day interactions and research has shown that early (life) socialization, national cultural values, religious values and personality are predictive of the worldviews that are developed (e.g., Duckitt & Sibley, 2010; Van Hiel, Cornelis, & Roets, 2007). Worldviews formation is also said to involve individuals' cognitive processes such as categorization, boundary establishment and the use of cognitive scripts (Goldberg, 2009). These worldviews schemas are important because they help individuals to make sense of, and to navigate through, the social world – including, we propose, their workplaces and interactions with supervisors. While we cannot find any prior research that has applied notions of social worldviews to an organizational context, Tietjen and Myers (1998) suggests that, “the values, or worldview, a worker carries into the job form the foundation by which attitudes (to that job) develop” (p. 230). In other words, an individuals' social worldviews may be an important predictor of their attitudes towards their jobs and the people with whom they work.

The DPM of ideology and prejudice has strongly influenced extant research on social worldviews and suggests that individuals form dual judgments about the ‘competitiveness’ (competitive worldview) and ‘dangerousness’ (dangerous worldview) of the world around them

and that these judgments will provide a motivation (or not) to hold certain ideological attitudes (Duckitt, 2001). A competitive, as opposed to a cooperative, worldview is said to promote in individuals a social dominance orientation (SDO). In other words, a competitive worldview is a threat-driven motivation for individuals to support and seek their in-group dominance and superiority over others (Perry, Sibley, & Duckitt, 2013). A dangerous worldview, as opposed to a safe and secure worldview, is said to promote in individuals a motivation for greater social cohesion and collective security as represented by more Right Wing Authoritarian (RWA) beliefs (Duckitt, Wagner, du Plessis, & Birum, 2002). In other words, social cohesion and collective security are threat-driven motivational goals within a dangerous, unpredictable and uncertain world (for a meta-analysis, see Perry et al., 2013). Thus, the DPM argues that views on the dual notions of a competitive and dangerous world independently predict the formation of dual ideological beliefs/motivations of SDO and RWA respectively. Within our current study, however, we are focused solely on the relationship between a dangerous worldview and RWA.

Right-wing authoritarianism legitimates a social system that is based on, “conventionalism (an agreement with traditional societal norms), authoritarian aggression (a willingness to engage in authority sanctioned aggression) and authoritarian submission (a tendency to obey authority figures)” (Cohrs & Stelzl, 2010, p. 674). Of particular interest to our research was the notion of authoritarian submission – or the tendency to obey authority figures – as this idea appears to relate more to the extant organizational/workplace based research. In particular, the work by Hofstede (1980) and the GLOBE project (House, Hanges, Javidan, Dorfman, & Gupta, 2004) on high power distance cultures suggests that individuals from high power distance cultures are said to more readily accept inequalities in power within society and thus more readily accept the decisions of, and defer to, those individuals in higher

power/authority positions within organizations (e.g., Beugre, 2007). There is clear overlap between notions of high power distance and authoritarian submission. However, while we could not identify any research that has explored similarities or differences between these constructs, related cultural research exploring notions of collectivism/individualism and authoritarianism has shown them to be closely related yet distinct constructs (Kimmelmeier et al., 2003).

Thus, our research explores, within a workplace context, the relationship between employees' dangerous worldviews and their propensity towards the ideological attitude of authoritarian submission. Drawing on the DPM we argue that employees transfer their broader societal dangerous worldviews into their organizational context, and thus are more likely to view their organization as a dangerous, unpredictable and uncertain place. These beliefs, we argue, reinforce employees' ideological attitudes that within such an organizational context it is essential – in order to ensure and maintain organizational cohesion and collective security – that individuals obey and submit to the will and decisions of authority figures (authoritarian submission) (Perry et al., 2013). We thus propose the following hypothesis:

H1: Subordinates' dangerous worldviews of the organization are positively related to their perceptions of authoritarian submission.

Authoritarian Submission and Abusive Supervision

Abusive supervision is a subjective construct and it is quite possible, in fact quite likely, that individuals will differ in how they assess a supervisor's behavior. Thus it is employees' *perceptions* of abusive supervision that drive their responses to it (Mitchell & Ambrose, 2007).

As Chan and McAllister (2014) argue, it is employees' cognitive processes that play an important role in labelling supervisory actions as abusive.

While the majority of early research into abusive supervision tended to focus on its outcomes and implications, more recently researchers have turned their attention to questions of its antecedents (e.g., Tepper et al., 2011). One burgeoning line of enquiry within this body of work has focused on the potential role of subordinates' characteristics in promoting their perceptions of supervisory abuse and mistreatment (e.g., Aquino, Grover, Bradfield, & Allen, 1999; Henle & Gross, 2013). Applying victim precipitation theory (VPT), these studies have identified a number of subordinate personality traits that may predict their perceptions of victimization and supervisory abuse, including their negative affectivity (Aquino et al., 1999; Aquino & Bradfield, 2000; Tepper, Duffy, Henle, & Lambert, 2006), emotional stability and conscientiousness (Henle & Gross, 2013), and hierarchical status (Aquino et al., 1999).

In summary, VPT posits that certain individuals, and individual personality types, may be more prone than others to victimization and abuse at the hands of authorities or significant others (Bowling, Beehr, Bennett, & Watson, 2010), with research in both work (e.g., Kim & Glomb, 2010) and non-work (Olweus, 1978) settings consistently identifying two types of victims. First, submissive victims are those that invite mistreatment and victimization from others because they are seen as passive, non-aggressive and unwilling or unable to defend themselves (Henle & Gross, 2013). Second, provocative victims invite mistreatment because they are considered by others to be hostile, frustrating or threatening and thus induce tension and conflict within their relationships and ultimately a hostile and aggressive response from others (e.g., line managers) (Bowling et al., 2010). We propose, therefore, that those individuals high in authoritarian submission might leave themselves open to become passive victims of supervisory abuse. In short, the predisposition of those high in authoritarian submission to submit to the authority of

others, and their inclination towards conformity, may make them less likely to defend themselves and challenge inappropriate supervisory actions, decisions and behaviors.

While we could not find prior research that has tested these ideas, in related research, Cohrs, Asbrock and Sibley, (2012) drew on notions of social categorization to highlight the potential salience of moral judgments of others (e.g., their supervisors) of those holding RWA ideological attitudes. Social categorization suggests that individuals tend to judge other individuals and/or social groups along two distinct positive-negative dimensions – their competence/incompetence and warmth/coldness (Kervyn, Yzerbyt, & Judd, 2010). Across two studies, Cohrs et al. (2012) reported that warmth/coldness judgments, that is, those judgments of whether one is morally good or bad (Cohrs et al., 2012), were more salient for those holding RWA ideological attitudes. In other words, the perceived threats to social conformity and cohesion by those holding RWA ideological attitudes make such individuals more sensitive to the moral goodness or badness of supervisors. We extend these ideas by arguing that individuals holding more RWA ideological attitudes are not only more sensitive to the moral goodness or badness of their supervisors, but actually more likely to perceive themselves as victims of abusive (morally bad) supervisory behavior. We thus propose the following hypothesis:

H2: There is a positive relationship between subordinates' authoritarian submission and their perceptions of abusive supervision.

Moderating Role of Subordinates' Performance

Most extant research has examined subordinate performance as an outcome of abusive supervision. For example, Harris et al. (2007) reported a negative relationship between abusive supervision and both leader-rated and formal appraisal ratings of subordinate performance in 192 dyads. Similarly, Tepper (2000) reported negative relationships between perceived abusive

supervision and other performance-related outcomes, including turnover intentions, job satisfaction and affective organizational commitment.

Recently, however, Tepper, Moss and Duffy (2011) presented an alternative perspective on the relationship between subordinate performance and abusive supervision. Drawing from Opatow's (1995) work on the 'scope of justice' and VPT, they found support for a moderating role of subordinates' job performance on the relationship between supervisor-subordinate dissimilarity and supervisory abuse. Opatow (1995) proposes that individuals (e.g., supervisors) make judgments regarding those who are deserving or undeserving of fair treatment. Those who are deemed to be deserving of fair treatment are said to be in their scope of justice (see also, Opatow & Weiss, 2000). One of the key factors that may cause individuals to become morally excluded from (or included in) a supervisor's scope of justice is the subordinate's perceived usefulness or utility (Hafer & Olson, 2003). Subordinates who are poorly performing, therefore, may be judged as lacking utility and thus more likely to be outside a supervisor's scope of justice. Being outside this scope of justice thus potentially exposes the subordinate to more abusive supervisory behaviors.

VPT may also help explain this antecedent relationship between subordinate performance and abusive supervision. As we reviewed earlier, VPT suggests that some subordinates may be more prone to victimization by supervisors than others, and that there are two types of victims – passive and provocative. Tepper et al. (2011) argue that a supervisor's frustration and difficulties caused by their subordinate's poor performance may precipitate the subordinate becoming a provocative victim of supervisory abuse.

In line with these arguments, therefore, we propose that the indirect effect of subordinates' dangerous worldviews on abusive supervision (through authoritarian submission)

will be moderated by their job performance, where low job performance will strengthen the positive relationship between authoritarian submission and perceived supervisory abuse. In short, subordinates who hold ideological attitudes of authoritarian submission and are performing poorly may leave themselves in ‘double jeopardy’ with regards to their potential victimization. On the one hand, their submissive attitudes towards the supervisor (and all authority figures) leave them prone to being a passive victim. On the other, their poor performance may create frustration and difficulty for their supervisor and thus leave them prone to being a provocative victim. We thus propose the following hypothesis:

H3: An indirect positive relationship between subordinates’ perceptions of dangerous worldviews and their perceptions of abusive supervision (through subordinates’ authoritarian submission) will be strengthened when supervisors’ evaluations of subordinates’ performance is low rather than high.

Methods

Sample and Procedures

Survey questionnaires were administered, in English, to 250 employees of 15 different private sector organizations operating in Pakistan. The participating organizations belonged to the service, textile, light engineering, and educational sectors. Employees from the service industries (e.g., software, banking, and telecom) accounted for approximately 70 percent of the sample, with employees from the textiles, light engineering, and educational organizations making up the other 30 percent.

We approached the line managers of these organizations, through our key contacts, and got their consent to participate in the study. We asked them to fill out job performance questionnaires for a random sample of their subordinates. We then independently approached the

subordinates of these line managers and asked them to complete a questionnaire containing items relating to their perceptions of a dangerous worldview, authoritarian submission, and abusive supervision. We also collected data on certain demographics which were placed in the last part of both survey forms.

Both the line manager and subordinate surveys were appropriately coded so that they could be matched and line manager-subordinate dyads formed. In an effort to minimize common method bias, we used four different versions of the subordinate survey instruments. These differed in the ordering of the measures contained within them (Ambrose & Schminke, 2009; Khan, Quratulain, & Bell, 2014; Meade, Watson, & Kroustalis, 2007).

Both survey instruments were complemented with a cover letter which highlighted the academic research objectives of the study and assured the confidentiality and anonymity of participants. We received a total of 180 subordinate responses out of 250 surveys (a 72% response rate) and 48 line manager responses out of 80 surveys (a 60% response rate). In line with prior work (Colquitt, Noe, & Jackson, 2002; Richardson & Vandenberg, 2005; Schneider, White, & Paul, 1998; Tracey & Tews, 2005), we only included line manager-subordinate dyads where two or more matched subordinates had responded. Our final sample included 45 line manager and 173 employee surveys. The descriptive statistics showed that the employee sample was more skewed towards males as they comprised of 70.6 percent (122) of sample. The participants' average age was 32 years, and the average for number of years of service with the present organization was six.

Measures

All items measured in the survey were anchored to a 5-point Likert-type scale, ranging from 1 (*strongly disagree*) to 5 (*strongly agree*), except for subordinates' performance which, while also

anchored on a 5-point scale, used different labels (e.g., from unacceptable to outstanding and very ineffective to very effective).

Subordinates' Dangerous Worldviews about the Organization. We adapted six items of Altemeyer's (1998) belief in a dangerous world scale to the organizational context. Sample items include "Although it may appear that things are getting more dangerous and chaotic in my organization, it really is not so", "There are many dangerous people at our workplace who will harm someone out of pure meanness, for no reason at all.", and "It seems that every year there are fewer and fewer truly respectable people around in this organization, and more and more persons with no morals at all threaten everyone else". Alpha reliability of this scale was .71.

Subordinates' Authoritarian Submission. We used the four-item instrument developed by Funke (2005) to measure the "authoritarian submission" dimension of subordinates' RWA. Sample items include "Obedience and respect for authority are the most important values subordinates should learn", and "The real keys to the good life are obedience, discipline, and virtue". Alpha reliability of this scale was .60.

Subordinates' Perceptions of Abusive Supervision. We used the fifteen-item scale developed by Tepper et al. (2011) to measure abusive supervision. The subordinates reported how often their boss exhibited behaviors such as "My supervisor lies to me", "My supervisor is rude with me", "My supervisor invades my privacy", and "My supervisor gives me the silent treatment". Alpha reliability of this scale was .78.

Supervisors' Evaluation of Subordinates' Performance. Subordinates' performance was measured using the four-item scale developed by Liden, Wayne, and Stilwell (1993). The items and response scales were: "Rate the overall performance that you observe for this subordinate" 1 (*unacceptable*) to 5 (*outstanding*), "What is your personal view of your

subordinate in terms of his or her overall effectiveness?" 1 (*very ineffective*) to 5 (*very effective*), "Overall to what extent do you feel your subordinate has been effectively fulfilling his or her roles and responsibilities?" 1 (*not effectively at all*) to 5 (*very effectively*), and "My subordinate is superior to other subordinates that I have supervised before" 1 (*strongly disagree*) to 5 (*strongly agree*). Alpha reliability of this scale was .82.

Control Variables. We controlled for several factors that have been shown to be related to our study variables. These included supervisor gender and subordinate gender as previous research suggests men and women report different levels of workplace victimization (Nixon, 2009). We also controlled for gender similarity because some evidence suggests that men are typically bullied by other men and often by supervisors while women may face victimization from both other women and men (Salin, 2003; Zapf, Escartin, Hoel, & Vartia, 2011; Cortina et al., 2002). Finally, we controlled for tenure under current supervisor and subordinate hierarchical level because previous studies found significant relationships between these demographics and individual perceptions of abusive supervision (Wu & Hu, 2013).

Results

Before proceeding to our main analysis, we calculated the proportions of within and between group variance for the dependent variable by computing intraclass correlation (ICC) indexes. A null model tested with subordinates' authoritarian submission as the outcome variable revealed that 43 percent ($p < .001$) of the variance in subordinates' authoritarian submission resided at the supervisor level and 56 percent resided at the individual/subordinate level. When abusive supervision was the outcome, the null model test revealed that 40 percent ($p < .001$) of the variance resided at the supervisor level and 60 percent resided at the individual/subordinate level.

Thus there is sufficient variance across levels of analysis to encourage us the use of multilevel method of analysis.

There were two main stages of our analysis. First, we conducted confirmatory factor analysis (CFA) to assess the factor structure and discriminant validity of our four main measurement scales – dangerous worldviews about the organization, authoritarian submission, abusive supervision, and subordinates' performance. We used AMOS (Arbuckle & Wothke, 1999) with maximum likelihood estimation to measure the fit of our measurement model. Second, we used hierarchical linear modeling (HLM) to test our hypotheses.

Confirmatory Factor Analysis

We used a combination of the chi-square test statistic with corresponding degrees of freedom and statistical significance (χ^2 (df), p), comparative fit index (CFI), goodness of fit index (GFI), standardized root mean square residuals (SRMR) and the root mean square error of approximation (RMSEA) to assess the fit of our CFA model (Hu & Bentler, 1999). Normed chi-square scores of less than 2, GFI and CFI scores of above .90, SRMR value of less than .08 and RMSEA scores of below .05 are said to reflect an excellent model fit (Hu & Bentler, 1999; Kline, 2010).

An examination of these fit indices highlighted the better fit of our four factor measurement model (see Table 1). A Normed chi-square of 1.16 ($\chi^2=150.13$, $df=129$, $p<.10$), CFI of .97, GFI of .91, SRMR of .06 and RMSEA of .03 provided evidence of the goodness of fit of our model. On comparison, the four factor model showed a significantly better fit to the data as compared to a one factor model ($\chi^2_{\Delta}(6) = 503.39-150.13= 353.3$, $p<.001$). Overall, the results of CFA gave us confidence in the discriminant validity of our four scales. At this stage, one item of dangerous worldviews and several items of the abusive supervision scale were

removed from the analysis based on low factor loadings and high cross loadings (Kline, 2010). The removal of these items improved the model fit substantially.

These data modeled at the individual level provided sufficient basis to test the multilevel structure of the data (Dyer, Hanges & Hall, 2005). Multilevel CFA models individual and group level constructs simultaneously at both levels. We expected that the factor structure of the model would be consistent at both levels, thus we constructed within- and between-group CFA models comprising four factors. Despite the fact that our between group sample size was low for multilevel CFA (Muthen, 1994), with the exception of the CFI, the fit statistics were satisfactory ($\chi^2=364.73$, $df=260$, $p<.10$, CFI =.88, RMSEA =.04). Also, the SRMR fit indices at each level indicated that the fit of the level 1(within) part of the model was better than at level 2 (between) part of the model. The multilevel CFA results gave us further confidence in the measurement structure of our constructs.

Insert Table 1 about here

Descriptive Statistics and Correlations

The means, standard deviations, Cronbach's alpha, and correlations among focal variables are shown in Table 2. First, we assessed whether the different versions of questionnaires had any impact on the substantive variables in our study. One-way analysis of variance suggested no mean differences for dangerous worldviews about organization [$F(3,169) = 1.3, p > .05$], authoritarian submission [$F(3,169) = 2.5, p > .05$], and abusive supervision [$F(3,169) = .87, p > .05$] across our different subsamples. We were thus confident that our randomization of measures

within the different surveys did not have any impact on our study variables and again gave us confidence to progress with our main analysis. We also noted at this stage that for subordinate performance supervisors' evaluated between 2 and 7 subordinates and the following distributional information across supervisors was found (Mean: 3.63; Median: 3.69; SD: .43, Min: 2.70, Max: 4.56).

In terms of our correlation tests, as predicted, subordinates' dangerous worldviews about their organization were positively correlated with their authoritarian submission ($r = .27, p < .01$) and abusive supervision perceptions ($r = .38, p < .01$). Moreover, subordinates' authoritarian submission was positively correlated with perceived abusive supervision ($r = .21, p < .01$) and their performance negatively correlated with their perceptions of abusive supervision ($r = -.36, p < .01$). These findings were consistent with our hypothesized relationships and gave us confidence to progress to our main model testing.

The correlations of our control variables with the main model variables are also shown in Table 2. Subordinates' gender was negatively related with dangerous worldviews about organization ($r = -.20, p < .01$) and abusive supervision ($r = -.24, p < .01$), suggesting that female employees held less dangerous worldviews (more safe/secure worldviews) and reported lower abusive supervision perceptions than their male colleagues. Supervisor-subordinate gender similarity was positively related with abusive supervision ($r = .18, p < .05$) and negatively related with subordinates' performance ($r = -.22, p < .01$), suggesting that those subordinates' with a supervisor of the same gender tended to report higher levels of abusive supervision and received lower performance ratings by their supervisor. Finally, the tenure of one's relationship with their current supervisor was positively related with their perceptions of abusive supervision ($r = .17, p < .05$), suggesting that those in longer relationships with their supervisor are more

likely to report higher levels of abusive supervision. These significant findings led us to control for these variables in all our subsequent analysis.

Insert Table 2 about here

Hypothesis Testing

We used hierarchical linear modeling (HLM 7) with random effects to test our hypotheses. To summarize, hypothesis 1 concerns the effect of subordinates' dangerous worldviews about their organization in predicting subordinates' perceptions of authoritarian submission. Hypothesis 2 relates to the effect of subordinates' authoritarian submission perceptions as a predictor of abusive supervision. Hypothesis 3 is concerned with whether the strength of the mediated relationship between subordinates' dangerous worldviews and abusive supervision (via subordinates' authoritarian submission), varies depending on the subordinates' performance – that is, a test of moderated mediation. For testing these hypotheses, we used a two-level model, where supervisors' controls were entered at Level 2 and subordinates' dangerous worldviews, authoritarian submission, supervisor-rated performance, demographics, and the interaction term between performance and authoritarian submission were entered at level 1.

Table 3 shows the results of the hypotheses related to the effect of subordinates' dangerous worldviews on subordinates' authoritarian submission and direct and interactive effects of subordinates' authoritarian submission and subordinates' performance on abusive supervision. Our findings were essentially equivalent with or without the control variables, therefore, the results without controls have been reported (Becker, 2005). Table 4 summarizes

the results regarding testing of the conditional indirect effect of subordinates' dangerous worldviews on abusive supervision (via authoritarian submission) at varying levels of subordinate performance.

Insert Table 3 about here

As exhibited in Table 3 (Model 1), the effect of dangerous worldviews was significant in predicting subordinates' authoritarian submission perceptions ($\gamma = .15, p < .01$). Similarly, Table 3 (Model 2) showed the effect of authoritarian submission was significant in predicting abusive supervision perceptions ($\gamma = .19, p < .05$). Therefore, the results supported hypotheses 1 and 2. We tested hypothesis 3 taking the moderated path analysis approach of Edwards and Lambert (2007), which integrates moderated regression procedures into the path analytic method for testing mediation. Information from the HLM results in Table 3 was used to conduct path-analytic tests at low and high levels of subordinate's performance. These results are presented in Table 4. The indirect effect (ab) is considered statistically significant when the 95% biased corrected confidence interval (CI) excludes zero. The results show that when the subordinates' performance is low, the indirect effect of subordinates' dangerous worldviews perceptions on abusive supervision through authoritarian submission was significant ($ab = .09, CI [.018, .209]$). In contrast, the confidence interval related to the indirect effect through authoritarian submission was non-significant when subordinates' performance was high ($ab = -.02, CI [-.102, .011]$). Therefore, the results supported hypothesis 3.

In plotting the interaction, we followed the approach outlined by Bauer and Curran, (2005). Figure 2 depicts the interaction of subordinates' authoritarian submission and supervisor rated performance in predicting abusive supervision perceptions. It shows that individuals who are high on authoritarian submission and considered low performers by supervisors report high levels of abusive supervision. Thus, subordinates' authoritarian submission is positively related to abusive supervision only when performance is low. These results support hypothesis 3. We also ran post-hoc analysis to test an alternative model (Abusive Supervision → Authoritarian Submission → Dangerous World Views) with our data, the results showed abusive supervision was not a significant predictor of authoritarian submission ($\beta = .01, ns$), whereas authoritarian submission was a significant predictor of dangerous worldview ($\beta = .28, p < .01$).

Insert Table 4 about here

Insert Figure 2 about here

Discussion

A key contribution of this study was the development and testing of a theoretical model that may help to explain how, and under what circumstances, subordinates' cognitions about organizational worldviews lead to supervisory abuse. We integrated the previously unconnected theories of the dual process model and victim precipitation to propose that subordinates' worldviews about their organization instill certain attitudes which become instrumental in inviting supervisory abuse. We found that subordinates' dangerous worldviews are related to their attitudes of obedience and conformity and that these passive/submissive attitudes are related

to their perceptions of abusive supervision (see, Henle & Gross, 2013). However, this effect was only observed in poor performing subordinates. Previous research has shown that poor performance may leave individuals exposed to victimization due to the antagonistic and frustrating effects of poor performance on one's supervisor (see also, Tepper et al., 2011). It appears in our study that poor performing and obedient/passive subordinates may suffer a 'double jeopardy' in regards to victimization, where the combined effects of a high submission to authority (passive victimization) and poor performance (antagonistic victimization) create a prime target for supervisory abuse. Our findings have several important implications for theory, which we explain below.

First, we contribute to extant literature on abusive supervision by offering a new dual process model and victim precipitation theory conceptual lens to explore the importance of two new antecedents of abusive supervision – subordinates' worldviews and submission to authority. Recent research has begun to explore the potential antecedents of abusive supervision (e.g., Tepper et al., 2011) and in particular subordinate characteristics (e.g., Aquino & Bradfield, 2000; Henle & Gross, 2013; Neves, 2014; Tepper et al., 2006). Our study answers recent calls for more research in this important domain by introducing and finding support for two new subordinate-focused antecedents of abusive supervision (e.g., Henle & Gross, 2013). Moreover, by examining the moderating role of individual job performance (see also, Tepper et al., 2011) on these relationships we provide new research that examines the interactional effects of both subordinate-focused passive/submissive (submission to authority) and antagonistic (job performance) triggers for supervisory abuse. Of course this research is still in its infancy and additional research, in new national, professional and cultural contexts, is needed if we are to further generalize these findings.

Second, we extend research on social worldviews into the previously under-researched organizational context. The majority of social worldviews research has been conducted at a societal/national level of analysis – exploring, for example, the effects of social worldviews on sociopolitical orientations (Mowle, 2003) and collective religious orientation (Sire, 2004). A key principle of social worldviews theory is that these schemas influence individuals in all aspects of their lives and, as such, research exploring the effects of these attitudes and values within an organizational context are essential if we are to get a more complete grasp of their pervasiveness. Our findings generally support the dual process model within this organizational context – suggesting that one’s social worldviews about the organization may have an important impact upon one’s work and organizational-related experiences. These findings may also extend research on employee socialization (Allen, 2006; Louis, 1980) which has tended to demonstrate that individuals make sense of their surroundings through information seeking when they enter a new organization. The basic aim of information seeking is to reduce uncertainty in employees’ social interactions (with peers and superiors) (Saks & Ashforth, 1997). Our findings also resonate with recent research which proposes that employees’ paranoid cognitions and arousal are associated with safety behaviors such as compliance, conformity and ingratiation, and increased employee safety behaviors are associated with increased supervisory abuse (Chan & McAllister, 2014).

Limitations and Future Research Directions

The contributions and findings of our study should be considered in light of certain limitations. Though we used two sources to measure different study variables, we cannot completely rule out problems associated with common method bias. As an additional precaution against common method bias, we randomized the measures and created four different versions of the survey

(Khan et al., 2014). One-way analysis of variance suggested no mean differences for our focal study variables. We also conducted Harman's single factor test to assess common method variance. The results showed that the first factor extracted only 13.8% variance. The descriptive statistics (low correlations among study variables) also revealed that common method bias was not a problem in our study.

Our cross-sectional design also prevents any inference of causality between our dependent and independent variables. For instance, abusive supervision experiences may be associated with authoritarian submission which might be associated with one's dangerous worldviews about the organization. We ran post-hoc analysis to test this model (Abusive Supervision → Authoritarian Submission → Dangerous World Views) with our data, and found no support for this alternative model. Future studies, however, may use longitudinal or experimental designs to better test for causal effects.

While we posit the benefits of extending abusive supervision research into a new Pakistani context, we also recognize that this is a potential limitation of our study and its generalizability to other national, cultural, institutional and economic contexts. Pakistan is a high power distance culture with current and historical high unemployment rates (Hussain & Yousaf, 2011). In such working conditions and cultural contexts, employees may be more tolerant of organizational injustices (such as abusive supervision) and it might be possible that the natural response of employees toward organizational authorities is submission (Beugre, 2007). While such cultural values and economic conditions may align closely with our key dependent variables – authoritarian submission and perceived abusive supervision – and thus suggest a rather conservative test of our

hypotheses, we accept that much more research is needed across different national contexts and workplace sectors if we are to better generalize our conclusions.

In addition, we measured subordinates' perceptions of abusive supervision and not actual abuse by one's supervisor. While this approach fits clearly with the general consensus that abusive supervision is a perceptual variable (Mitchell & Ambrose, 2007), we recognize that certain individuals may be more likely to perceive abuse in situations where none actually occurred (Aquino & Lamertz, 2004). Future research, therefore, may seek to measure abusive supervision more objectively, for example, by collecting multi-source data and including additional (to the supervisee) peer and/or supervisor ratings. Alternatively, experimental methods may be used and levels of abusive supervision explicitly manipulated.

Relatedly, future research should examine how employees' dangerous worldviews interact with important contextual factors. For example, what is the impact of these general worldviews in actual situations that are more or less dangerous, for example, in times of redundancy and major corporate scandals and investigations? This relates closely to the notions of the toxic triangle of destructive leadership (e.g., Padilla, Hogan, & Kaisar, 2007), that connect the potential compounding negative effects of leadership behavior, follower susceptibility and the work context.

Future research may also include additional dimensions of RWA – authoritarian aggression and conventionalism – and explore their potential relationships with abusive supervision. Similarly, we included only one dimension of social worldview in our study and future studies should again examine whether other worldviews like the competitive jungle worldview impact abusive supervision.

Finally, we had concerns regarding the low reliability of our authoritarian submission scale ($\alpha = .60$) which is below the commonly acceptable standard of .70 (Nunnally, 1978). One reason for this maybe our use of a shortened four item scale. Previous studies have shown that highly shortened measures of personality suffer from a lack of breadth in item content, which can undermine reliability and reduce validity (Crede', Harms, Niehorster, & Gaye-Valentine, 2012). Our findings should be interpreted with caution as they may underestimate the relationships between authoritarian submission and other study variables. We recommend that future studies should replicate our findings by using more comprehensive measures of authoritarian submission.

Managerial Implications

Abusive supervision is a costly phenomenon and it can substantially impact a firm's bottom-line (Tepper, 2007; Henle & Gross, 2014). Our results offer some practical implications to combat abusive supervision. We suggest that our findings should help managers to understand, and react to, the costly phenomenon of abusive supervision by focusing on creating a climate which gives strong signals that the organization is not a threatening and dangerous place to work. For example, managers may focus on collective socialization tactics for newcomers as tactics that are more collective provide a common message about the organization, roles, and appropriate responses. This common message is expected to reduce uncertainty concerning roles and lead to a greater sense of shared values (Baker & Feldman, 1991; Feldman, 1994).

Another way of overcoming a perceived threatening environment is to treat employees with fairness, as employees use fairness heuristics to form their judgments about organizational trust (Jones & Martens, 2009). Employees' worldviews about their organization are also influenced by observing the pattern of social interactions between managers and co-workers. For

instance, the third-party perspective in organizational justice research documents that employees' who are not the direct victims of the situation respond similarly unfavorably to the actions and decisions of the organization that mistreats other employees (Brockner et al., 2004; Cropanzano, Byrne, Bobocel, & Rupp, 2001). Similarly, vicarious abusive supervision also affects employees' attitudes and behaviors toward their organization above and beyond the personally experienced abusive supervision (Harris, Harvey, Harris & Cast, 2013). The aforementioned interventions might improve employees' perceptions about abusive supervisory behaviors.

Our results suggest an interaction effect between poor performance and high authoritarian submission predicts abusive supervision. Thus more passive and submissive employees who subsequently perform poorly are more at risk of victimization by employers. This victimization is clearly inappropriate and organizations must ensure that supervisors react more appropriately to poor performing individuals and manage this effectively. Abusing or victimizing poor performers is not going to improve performance and, instead, is more likely to lead to costly discrimination and grievance claims. Introducing well designed performance management process, and training managers to react appropriately to poor performance, is thus essential if organizations are going to avoid the costs of abusive supervision.

Conclusion

Abusive supervision is a costly workplace phenomenon in terms of low creativity, turnover, emotional exhaustion, and organizational deviance. Our findings are important because they draw attention to previously unexamined antecedents of abusive supervision and provide bases to design practical interventions to reduce its frequency in organizations. Specifically, organizations should focus on designing and implementing policies which signal employees that their

organization is not a threatening place to work, devise measures to improve individual employees' performance, and provide supervisors with clear policy and training in effective performance management.

References

- Allen, D.G. (2006). Do organizational socialization tactics influence newcomer embeddedness and turnover? *Journal of Management*, *32*, 237-256.
- Altemeyer, B. (1998). The other “authoritarian personality”. *Advances in Experimental Social Psychology*, *30*, 47-92.
- Ambrose, M. L., & Schminke, M. (2009). The role of overall justice judgments in organizational justice research: A test of mediation. *Journal of Applied Psychology*, *94*, 491-500.
- Aquino, K., Grover, S. L., Bradfield, M., & Allen, D. G. (1999). The effects of negative affectivity, hierarchical status, and self-determination on workplace victimization. *Academy of Management Journal*, *42*, 260-272.
- Aquino, K., & Bradfield, M. (2000). Perceived victimization in the workplace: The role of situational factors and victim characteristics. *Organization Science*, *11*, 525-537.
- Aquino, K., & Lamertz, K. (2004). A relational model of workplace victimization: Social roles and patterns of victimization in dyadic relationships. *Journal of Applied Psychology*, *89*, 1023-1034.
- Aryee, S., Chen, Z. X., Sun, L.-Y., & Debrah, Y. A. (2007). Antecedents and outcomes of abusive supervision: Test of a trickle-down model. *Journal of Applied Psychology*, *92*, 191–201.
- Arbuckle, J., & Wothke, W. (1999). *AMOS 4 user’s reference guide*. Chicago, IL: Smallwaters Corp.
- Avey, J.B., Wu, K., & Holley, E. (2015). The influence of abusive supervision and job embeddedness on citizenship and deviance. *Journal of Business Ethics*, *129*, 721-731.

- Baker, H. E., & Feldman, D. C. (1991). Linking organizational socialization tactics with corporate human resource management strategies. *Human Resource Management Review*, *1*, 193-202.
- Bashir, A., & Hanif, R. (2011). Prevalence and forms of workplace bullying among telecommunication personnel in Pakistan. *Interdisciplinary Journal of Contemporary Research in Business*, *3*, 634–647.
- Bauer, D. J., & Curran, P. J. (2005). Probing interactions in fixed and multilevel regression: Inferential and graphical techniques. *Multivariate Behavioral Research*, *40*, 373-400.
- Becker, T. E. (2005). Potential problems in the statistical control of variables in organizational research: A qualitative analysis with recommendations. *Organizational Research Methods*, *8*, 274-289.
- Beugre, C. D. (2007). *A cultural perspective of organizational justice*. Charlotte, NC: Information Age Publishing.
- Bowling, N. A., Beehr, T. A., Bennett, M. M., & Watson, C. P. (2010). Target personality and workplace victimization: A prospective analysis. *Work and Stress*, *24*, 140–158.
- Brockner, J., Spreitzer G., Mishra A., Hochwarter W., Pepper L., & Weinberg, J. (2004). Perceived control as an antidote to the negative effects of layoffs on survivors' organizational commitment and job performance. *Administrative Science Quarterly*, *49*, 76-100.
- Chan, M. E., & McAllister, D. J. (2014). Abusive supervision through the lens of employee state paranoia. *Academy of Management Review*, *39*, 44-66.

- Cohrs, J. C., Asbrock, F., & Sibley, C. G. (2012). Friend or foe, champ or chump? Social conformity and superiority goals activate warmth- versus competence-based social categorization schemas. *Social Psychological and Personality Science*, *3*, 471-478.
- Cohrs, J. C., & Stelzl, M. (2010). How ideological attitudes predict host society members' attitudes toward immigrants: Exploring cross-national differences. *Journal of Social Issues*, *66*, 673–694.
- Cohrs, J. C., Kampfe-Hargrave, N., & Riemann, R. (2012). Individual differences in ideological attitudes and prejudice: Evidence from peer-report data. *Journal of Personality and Social Psychology*, *103*, 343–361.
- Colquitt, J. A., Noe, R. A., & Jackson, C. L. (2002). Justice in teams: Antecedents and consequences of procedural justice climate. *Personnel Psychology*, *55*, 83-109.
- Cortina, L.M., Lonsway, K.L., Magley, V.J., Freeman, L.V., Collinsworth, L.L., Hunter, M., & Fitzgerald, L.F. (2002). What's gender got to do with it? Incivility in the federal courts. *Law and Social Inquiry*, *27*, 235-270.
- Credé, M., Harms, P., Niehorster, S., & Gaye-Valentine, A. (2012). An evaluation of the consequences of using short measures of the Big Five personality traits. *Journal of Personality and Social Psychology*, *102*, 874-888.
- Cropanzano, R., Byrne, Z.S., Bobocel, D.R., & Rupp, D.E. (2001). Moral virtues, fairness heuristics, social entities, and other denizens of organizational justice. *Journal of Vocational Behavior*, *58*, 164–209.
- Decoster, S., Camps, J., Stouten, J., Vandevyvere, L., & Tripp, T.M. (2013). Standing by your organization: The impact of organizational identification and abusive supervision on

- followers' perceived cohesion and tendency to gossip. *Journal of Business Ethics*, *118*, 623-634.
- Duckitt, J. (2001). A dual process cognitive-motivational theory of ideology and prejudice. *Advances in Experimental Social Psychology*, *22*, 41-113.
- Duckitt, J., Wagner, C., du Plessis, I., & Birum, I. (2002). The psychological bases of ideology and prejudice: Testing a dual process model. *Journal of Personality and Social Psychology*, *83*, 75-93.
- Duckitt, J., & Sibley, C. G. (2010). Right wing authoritarianism and social dominance orientation differentially moderate intergroup effects on prejudice. *European Journal of Personality*, *24*, 583-601.
- Dyer, N. G., Hanges, P. J., & Hall, R. J. (2005). Applying multilevel confirmatory factor analysis techniques to the study of leadership. *Leadership Quarterly*, *16*, 149 -167.
- Edwards, J. R., & Lambert, L. S. (2007). Methods for integrating moderation and mediation: A general analytical framework using moderated path analysis. *Psychological Methods*, *12*, 1-22.
- Feldman, D. C. (1994). Who's socializing whom? The impact of socializing newcomers on insiders, work groups, and organizations. *Human Resource Management Review*, *4*, 213-233.
- Funke, F. (2005). The dimensionality of right-wing authoritarianism: Lessons from the dilemma between theory and measurement. *Political Psychology*, *26*, 195-218.
- Goldberg, R. M. (2009). How our worldviews shape our practice. *Conflict Resolution Quarterly*, *26*, 405-431.

- Hafer, C. L., & Olson, J. M. (2003). An analysis of empirical research on the scope of justice. *Personality and Social Psychology Review*, 7, 311–323.
- Harris, K.J., Harvey, P., Harris, R.B., & Cast, M. (2013). An investigation of abusive supervision, vicarious abusive supervision, and their joint impacts. *Journal of Social Psychology*, 153, 38-50.
- Harris, K.J., Kacmar, K.M., & Zivnuska, S. (2007). An investigation of abusive supervision as a predictor of performance and the meaning of work as a moderator of the relationship. *Leadership Quarterly*, 18, 252-263.
- Henle, C. A. & Gross, M. A. (2013). Ethical behavior and regional environments: The effects of culture, values, and trust. *Employee Rights & Responsibilities Journal*, 25, 109-121.
- Henle, C. A. & Gross, M. A. (2014). What did I do to deserve this? Effects of employee personality and emotion on abusive supervision. *Journal of Business Ethics*, 122, 461–477.
- Hofstede, G. (2001), *Culture's consequences*. Thousand Oaks, CA: SAGE.
- Hofstede, G. (1980). *Culture's consequences: International differences in work-related values*. Thousand Oaks, CA: SAGE.
- House, R.J., Hanges, P.J., Javidan, M., Dorfman, P., & Gupta, V. (2004). *Culture, leadership, and organizations: The GLOBE study of 62 societies*. Thousand Oaks, CA: SAGE.
- Hu, L. T., & Bentler, P. M. (1999). Cutoff criteria for fit indexes in covariance structure analysis: Conventional criteria versus new alternatives. *Structural Equation Modeling*, 6, 1-55.
- Hussain, T., & Yousaf, I. (2011). Organization culture and employees' satisfaction: A study in private sector of Pakistan. *Journal of Quality and Technology Management*, 7, 15-36.

- Jones, D. A., & Martens, M. L. (2009). The mediating role of overall fairness and the moderating role of trust certainty in justice–criteria relationships: The formation and use of fairness heuristics in the workplace. *Journal of Organizational Behavior, 30*, 1025-1051.
- Kemmelmeier, M., Burnstein, E., Krumov, K., Genkova, P., Kanagawa, C., Hirshberg, M., et al. (2003). Individualism, collectivism, and authoritarianism in seven societies. *Journal of Cross-Cultural Psychology, 34*, 304–322
- Kervyn, N., Yzerbyt, V., & Judd, C. (2010). Compensation between warmth and competence: Antecedents and consequences of a negative relation between the two fundamental dimensions of social perception. *European Review of Social Psychology, 21*, 155–187
- Khan, A. K., Quratulain, S., & Bell, C. M. (2014). Episodic envy and counterproductive work behavior: Is more justice always good? *Journal of Organizational Behavior, 35*, 128-144.
- Khan, S. N., Qureshi, I. M., & Ahmad, H. I. (2010). Abusive Supervision and Negative Employee Outcomes. *European Journal of Social Sciences, 15*, 490-500.
- Kim, E., & Glomb, T. M. (2010). Get smarty pants: cognitive ability, personality, and victimization. *Journal of Applied Psychology, 95*, 889-901.
- Kline, R.B. (2010). *Principles and practice of structural equation modeling* (3rd ed.). New York, NY: Guilford Press.
- Liden, R. C., Wayne, S. J., & Stilwell, D. (1993). A longitudinal study on the early development of leader member exchanges. *Journal of Applied Psychology, 78*, 662-674.
- Louis, M. R. (1980). Surprise and sense-making. *Administrative Science Quarterly, 25*, 226-251.
- Martinko, M. J., Harvey, P., Sikora, D., & Douglas, S. C. (2011). Perceptions of abusive supervision: The role of subordinates' attribution styles. *The Leadership Quarterly, 22*, 751–764.

- Martinko, M. J., Harvey, P., Brees, J. R., & Mackey, J. (2013). A review of abusive supervision research. *Journal of Organizational Behavior, 34*, 120–137.
- Meade, A. W., Watson, A. M., & Kroustalis, C. M. (2007). Assessing common methods bias in organizational research. *22nd annual meeting of the Society for Industrial and Organizational Psychology*, New York.
- Mitchell, M. S., & Ambrose, M. L. (2007). Abusive supervision and workplace deviance and the moderating effects of negative reciprocity beliefs. *Journal of Applied Psychology, 92*, 1159–1168.
- Mowle, T. S. (2003). Worldviews in foreign policy: Realism, liberalism, and external conflict. *Political Psychology, 24*, 561-592.
- Muthen, B. O. (1994). Multilevel covariance structure analysis. *Sociological Methods & Research, 22*, 376 –398.
- Neves, P. (2014). Taking it out on survivors: Submissive employees, downsizing, and abusive supervision. *Journal of Occupational and Organizational Psychology, 87*, 507–534.
- Nixon, D. (2009). I can't put a smiley face on: Working-class masculinity, emotional labour and service work in the "New economy". *Gender, Work & Organization, 16*, 300-322.
- Nunnally, J. C. (1978). *Psychometric theory* (2nd ed.). New York, NY: McGraw-Hill Book Company.
- Olweus, D. (1978). *Aggression in the schools: Bullies and whipping boys*. Washington, DC: Hemisphere (Wiley).
- Opatow, S. (1995). Drawing the line: Social categorization and moral exclusion. In B. Bunker, J. Rubin, & Associates (Eds.), *Conflict cooperation, and justice: Essays inspired by the work of Morton Deutsch* (pp. 347-369). San Francisco, CA: Jossey-Bass.

- Opotow, S., & Weiss, L. (2000). Denial and exclusion in environmental conflict. *Journal of Social Issues, 56*, 475–490.
- Padilla, A., Hogan, R.T., & Kaiser, R.B. (2007). The toxic triangle: Destructive leaders, susceptible followers, and conducive environments. *The Leadership Quarterly, 18*, 176-194.
- Palanski, M., Avey, J. B., & Jiraporn, N., (2014). The effects of ethical leadership and abusive supervision on job search behaviors in the turnover process. *Journal of Business Ethics, 121*, 135-146.
- Perry, R., Sibley, C. G., & Duckitt, J. (2013). Dangerous and competitive worldviews: A meta-analysis of their associations with social dominance orientation and right wing authoritarianism. *Journal of Research in Personality, 47*, 116-127.
- Richardson, H. A., & Vandenberg, R. J. (2005). Integrating managerial perceptions and transformational leadership into a work-unit level model of employee involvement. *Journal of Organizational Behavior, 26*, 561-589.
- Rokeach, M. (1960). *The open and closed mind*. New York, NY: Basic Books.
- Ross, M. (1993). *The culture of conflict*. New Haven, CT: Yale University Press.
- Saks, A. M., & Ashforth, B. E. (1997). Socialization tactics and newcomer information acquisition. *International Journal of Selection and Assessment, 5*, 48–61.
- Salin, D. (2003). Ways of explaining workplace bullying: A review of enabling, motivating and precipitating structures and processes in the work environment. *Human Relations, 56*, 1213-1232.
- Schneider, B., White, S., & Paul, M. (1998). Linking service climate and customer perceptions of service quality: Test of a causal model. *Journal of Applied Psychology, 83*, 150-163.

- Sire, J. W. (2004). *The universe next door: A basic worldview catalog* (4th ed.). Downers Grove, IL: InterVarsity Press.
- Tepper, B. J. (2000). Consequences of abusive supervision. *Academy of Management Journal*, *43*, 178–190.
- Tepper, B. J. (2007). Abusive supervision in work organizations: Review, synthesis, and research agenda. *Journal of Management*, *33*, 261–289.
- Tepper, B. J., Duffy, M. K., Hoobler, J. & Ensley, M. D. (2004). Moderators of the relationships between coworkers' organizational citizenship behavior and fellow employees' attitudes. *Journal of Applied Psychology*, *89*, 455–465.
- Tepper, B. J., Duffy, M. K., Henle, C. A., & Lambert, L. S. (2006). Procedural injustice, victim precipitation, and abusive supervision. *Personnel Psychology*, *59*, 101–123.
- Tepper, B. J., Moss, S. E., & Duffy, M. K. (2011). Predictors of abusive supervision: Supervisor perceptions of deep-level dissimilarity, relationship conflict, and subordinate performance. *Academy of Management Journal*, *54*, 279-294.
- Tietjen, M. A., & Myers, R. M. (1998). Motivation and job satisfaction. *Management Decision*, *36*, 226-231
- Tracey, J. B., & Tews, M. (2005). Construct validity of a general training climate scale. *Organizational Research Methods*, *8*, 353-374.
- Unal, A.F., Warren, D.E., & Chen, C.C. (2012). The normative foundations of unethical supervision in organizations. *Journal of Business Ethics*, *107*, 5-19.
- Van Hiel, A., Cornelis, I., & Roets, A. (2007). The intervening role of social worldviews in the relationship between the five-factor model of personality and social attitudes. *European Journal of Personality*, *21*, 131-148.

- Wang, G., Harms, P.D., & Mackey, J.D. (2015). Does it take two to tangle? Subordinates' perceptions of and reactions to abusive supervision. *Journal of Business Ethics, 131*, 483-503.
- Wu, T.-Y., & Hu, C. (2013). Abusive supervision and subordinate emotional labor: The moderating role of openness personality. *Journal of Applied Social Psychology, 43*, 956-970.
- Zapf, D., Escartín, J., Einarsen, S., Hoel, H., & Vartia, M. (2011). Empirical findings on prevalence and risk groups of bullying in the workplace. In S. Einarsen, H. Hoel, D. Zapf, & C.L. Cooper (Eds.), *Bullying and Harassment in the Workplace. Developments in Theory, Research, and Practice* (2nd ed., pp. 75-105). Boca Raton, FL: CRC Press.
- Zellars, K. L., Tepper, B. J., & Duffy, M. K. (2002). Abusive supervision and subordinates' organizational citizenship behavior. *Journal of Applied Psychology, 87*, 1068–1076.

Table 1 Comparison of measurement models for main variables in the study

Model	Factors	χ^2	<i>df</i>	$\Delta\chi^2$	χ^2/df	<i>RMSEA</i>	<i>CFI</i>	<i>GFI</i>	<i>SRMR</i>
Model 1	Four Factors	150.13	129	--	1.16	.03	.97	.91	.06
Model 2	One factor: all four factors were combined into one factor	503.39	135	353.3**	3.73	.13	.51	.70	.13

Note: ** p < .01

Table 2 Means, standard deviations, and correlations among all study variables

Variable	<i>M</i>	<i>SD</i>	1	2	3	4	5	6	7	8	9
1. Subordinate's dangerous worldviews	2.62	0.78	(.71)								
2. Subordinate's authoritarian submission	3.40	0.60	.27**	(.60)							
3. Abusive supervision	2.10	0.75	.38**	.21**	(.78)						
4. Subordinate's performance	3.60	0.71	-.07	.08	-.36**	(.82)					
5. Supervisor's gender^a	0.12	0.32	-.11	-.09	-.06	-.04					
6. Supervisor-subordinate gender similarity^b	0.71	0.46	.06	-.03	.18*	-.22**	-.20**				
7. Tenure with current supervisor^c	1.94	0.90	.13	.08	.17*	-.08	-.15*	-.15*			
8. Subordinate's gender^d	0.28	0.45	-.20**	-.09	-.24**	.14	.13	-.72**	-.11		
9. Subordinate's hierarchical level^e	1.70	0.64	-.10	.07	-.01	-.12	-.08	.09	.32**	-.16*	-

Note. $N = 173$. Cronbach's α coefficients are displayed on the diagonal. * $p < .05$, ** $p < .01$.

^a Supervisor's gender was coded: 0= Male, 1= Female.

^b Supervisor-subordinate gender similarity was coded: 0 = Mismatch, 1 = Match If subordinate and the supervisor have same gender it was coded as 1 and if they have different gender it was coded as 0

^c Tenure with current supervisor was coded: 1= less than 1 yrs, 2= 1-2 yrs, 3= 3-5 yrs, 4= 6-10 yrs, 5= more than 10yrs.

^d Subordinate's gender was coded: 0= Male, 1= Female

^e Subordinate's hierarchical level was coded: 1= Entry Level, 2= Middle Level, 3= Senior Level

Table 3 HLM results testing the interaction of subordinate's authoritarian submission and subordinate performance

Model and measure	Subordinate's authoritarian submission		Abusive Supervision	
	γ	<i>SE</i>	γ	<i>SE</i>
	Model 1			
Level 1				
Intercept	3.38**	.07	2.10**	.05
Subordinate's dangerous worldviews	0.15**	.06	0.30**	.07
Subordinate's authoritarian submission			0.19*	.08
Subordinate's performance			-0.37**	.07
Pseudo – R^2	0.06		0.25	
	Model 2			
Level 1				
Intercept			2.11**	.06
Subordinate's dangerous worldviews			0.31**	.07
Subordinate's authoritarian submission			0.14	.09
Subordinate's performance			-0.35**	.07
Subordinate's authoritarian submission X Performance			-0.30**	.11
Δ Pseudo – R^2			0.03	
Pseudo – R^2			0.28	

** $p < .01$; * $p < .05$; + $p < .10$

Table 4 Path analytic results: Indirect and total effects of subordinate's dangerous worldviews (via subordinate's authoritarian submission) on abusive supervision at low and high levels of supervisor rated subordinate's performance

Moderator	Subordinate's dangerous worldviews (X)		Subordinate's authoritarian submission (M)		Abusive supervision (Y)
	First Stage	Second Stage	Direct Effects	Indirect Effects	Total Effects
	PMX	PYM	PYX	PMX x PYM	PYX + (PMX x PYM)
Subordinate's performance					
Low (-1 s.d)	.23	.40**	.18	.09*	.27
High (+1 s.d)	.18	-.13	.33**	-.02	.31**

^a N = 173. PMX: path from subordinate's dangerous worldviews to subordinate's authoritarian submission; PYM: path from subordinate's authoritarian submission to abusive supervision; PYX: path from subordinate's dangerous worldviews to abusive supervision.

^b Low moderator variable refers to one standard deviation below the mean of the moderator; high moderator variable refers to one standard deviation above the mean of the moderator.

** $p < .01$

* $p < .05$.

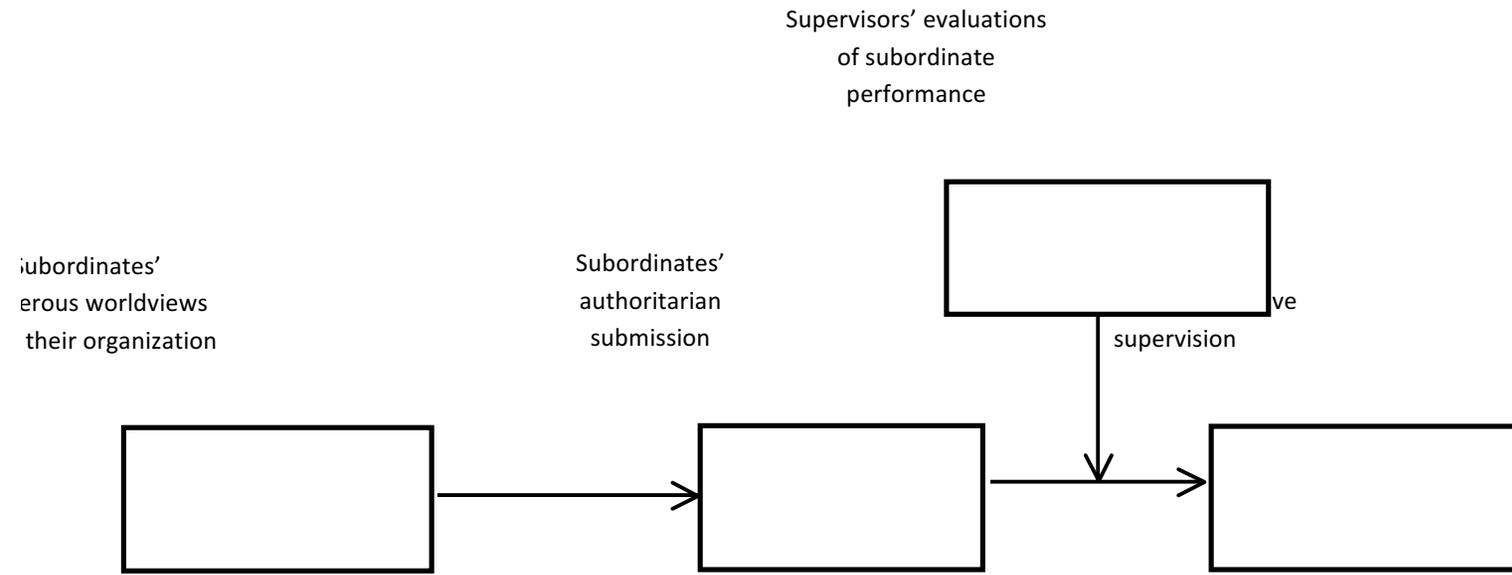


Figure 1 Hypothesized model

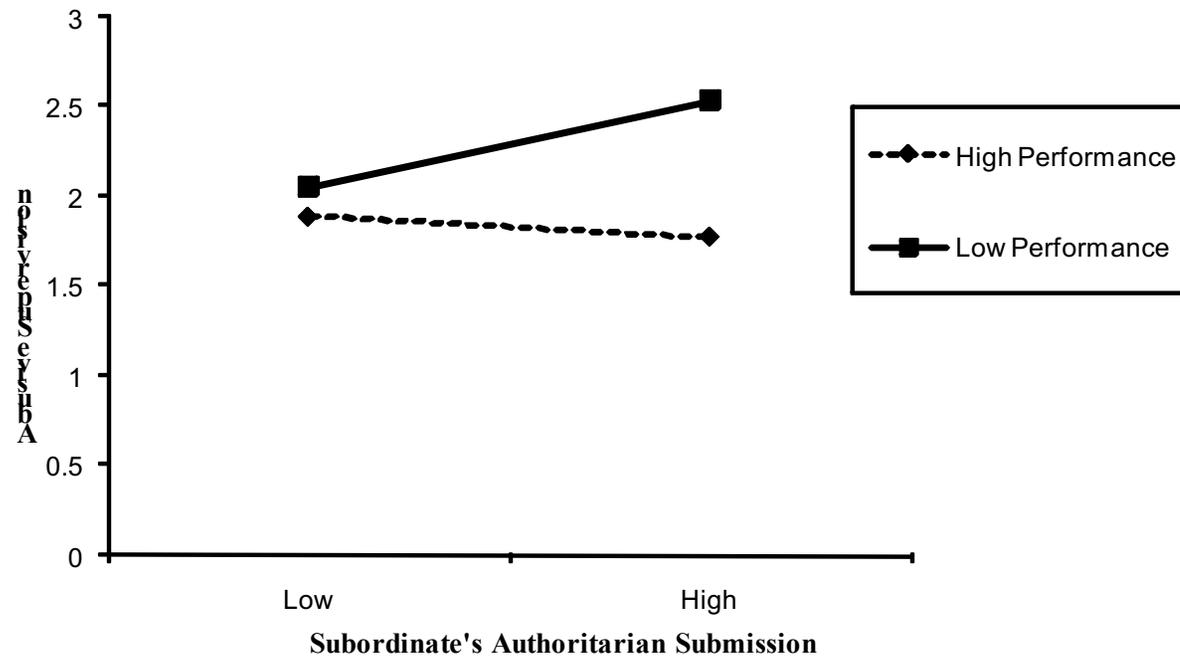


Figure 2 Moderating effect of subordinate's performance on the relationship between subordinate's authoritarian submission and subordinate's perceptions of abusive supervision

Appendix 1 - Factor Loadings

		Factor Loadings
Authoritarian Submission 1	Obedience and respect for authority are the most important values subordinates should learn.	.60
Authoritarian Submission 2	The real keys to the “good life” are obedience, discipline, and virtue.	.51
Authoritarian Submission 3	The days when subordinates are submissive should belong strictly in the past. A “subordinate’s place” in organization should be wherever they want to be.	.42
Authoritarian Submission 4	What our organization really needs instead of more “employee rights” is a good stiff dose of law and order.	.58
Dangerous Worldview 1	Any day now chaos and anarchy could erupt around in this organization. All the signs are pointing to it.	.55
Dangerous Worldview 2	There are many dangerous people at our workplace who will harm someone out of pure meanness, for no reason at all.	.59
Dangerous Worldview 3	Every day as my organization becomes more lawless and cruel, a person’s chances of being dismissed go up and up.	.49
Dangerous Worldview 4	It seems that every year there are fewer and fewer truly respectable people around in this organization, and more and more persons with no morals at all threaten everyone else.	.72
Dangerous Worldview 5	My knowledge and experience tells me that my organization is basically a dangerous and unpredictable place, in which good, decent and moral people’s values and way of life are threatened and disrupted by bad people.	.52
Abusive Supervision 1	My supervisor lies to me.	.65
Abusive Supervision 2	My supervisor tells me I’m incompetent.	.76
Abusive Supervision 3	My supervisor does not allow me to interact with my coworkers.	.61
Abusive Supervision 4	My supervisor is rude to me.	.71
Abusive Supervision 5	My supervisor reminds me of my past mistakes and failures.	.54
Employee Performance 1	Rate the overall level of performance that you observe for this subordinate.	.81
Employee Performance 2	What is your personal view of this subordinate in terms of his or her overall effectiveness?	.75
Employee Performance 3	Overall to what extent do you feel this subordinate has been effectively fulfilling his or her roles and responsibilities?	.81
Employee Performance 4	My subordinate is superior to other subordinates that I’ve supervised before.	.61

Note: One item of Dangerous World View scale was removed due to low factor loading. Only five items of Abusive Supervision scale were retained, rest of the items were removed due to cross loadings (based on standardized residuals inspection) and low factor loadings.