

# Organizational justice, supervisor-provided resources and duty orientation: lessons from the mining sector

Organizational  
justice and  
duty  
orientation

Abraham Ansong and Robert Ipiin Gnankob  
*School of Business, University of Cape Coast, Cape Coast, Ghana*

Isaac Opoku Agyemang  
*College of Distance Education, University of Cape Coast, Cape Coast, Ghana, and*

Kassimu Issau and Edna Naa Amerley Okorley  
*School of Business, University of Cape Coast, Cape Coast, Ghana*

Received 30 December 2022  
Revised 12 April 2023  
29 July 2023  
25 October 2023  
3 January 2024  
Accepted 8 February 2024

## Abstract

**Purpose** – The study analysed the influence of organizational justice on the duty orientation of employees in the mining sector of Ghana. Also, it examined the mediating role of supervisor-provided resources in the relationship between organizational justice and duty orientation.

**Design/methodology/approach** – The study obtained data through a self-administered questionnaire from 291 employees of a mining firm. The data were analysed and interpreted in light of the hypotheses using the partial least squares structural equation modelling technique.

**Findings** – The findings revealed that organizational justice had a significant positive relationship with duty orientation and supervisor-provided resources. The results again established that supervisor-provided resources had a significant positive relationship with duty orientation. The study finally documented that supervisor-provided resources partially mediate the relationship between organizational justice and duty orientation.

**Practical implications** – We recommended that the management of the mining companies devote resources to developing organizational justice policies based on fairness in resource allocation, clear roles, employee feedback and effective information dissemination. Furthermore, supervisors should place priority on acquiring and dispensing resources as employees demonstrate their willingness to improve duty orientation.

**Originality/value** – The study contributes to knowledge in a novel research area. It adds to empirical evidence by highlighting the possible variables that may influence employees to engage in duty orientation.

**Keywords** Organizational justice, Supervisor-provided resources, Duty orientation, Mining sector

**Paper type** Research paper

## Introduction

The mining sector is one of the key areas that makes significant contributions to the development of the Ghanaian economy. Data from the Ghana Revenue Authority (GRA) shows that total direct domestic fiscal receipts attributable to the mining and quarrying sector improved from GH¢ 2.36bn in 2018 to GH¢ 4.02bn in 2019. The 70% increase in fiscal payments by firms in the sector was occasioned by the simultaneous increase in production

© Abraham Ansong, Robert Ipiin Gnankob, Isaac Opoku Agyemang, Kassimu Issau and Edna Naa Amerley Okorley. Published in *European Journal of Management and Business Economics*. Published by Emerald Publishing Limited. This article is published under the Creative Commons Attribution (CC BY 4.0) licence. Anyone may reproduce, distribute, translate and create derivative works of this article (for both commercial and non-commercial purposes), subject to full attribution to the original publication and authors. The full terms of this licence may be seen at <http://creativecommons.org/licences/by/4.0/legalcode>



European Journal of Management  
and Business Economics  
Emerald Publishing Limited  
e-ISSN: 2444-8494  
p-ISSN: 2444-8451  
DOI 10.1108/EJMBE-12-2022-0385

---

and price, particularly gold. Specifically, corporate tax receipts from the minerals sector increased by 89% to GH¢ 2.27bn in 2019 from GH¢ 1.20bn in 2018. Consequently, the firms in the sector are expected to operate within the legal framework of environmental and societal consciousness to reap business prosperity. The Environmental Protection Agency Act, 1994 (Act 490) of Ghana enjoins firms in the sector to proactively train and equip employees on environmentally friendly ways of operating.

While businesses in the mining sector may rely on multiple approaches to excel in terms of addressing regulatory and societal needs and making profit (Blinova *et al.*, 2022; Sauer and Hiete, 2019), the presence of employees who are willing to exceed the formal responsibilities specified in their job descriptions has been acknowledged by scholars as a rare resource that can help these organizations succeed (Ansong *et al.*, 2022; Hannah *et al.*, 2014). These employees possess a bundle of discretionary behaviours that are critical for building the goodwill of organizations and spurring productivity (Gnankob *et al.*, 2022). Following the different conceptualizations of discretionary behaviours such as extra-role behaviour (Singh and Singh, 2019), contextual performance and organizational citizenship behaviour (OCB) (Organ, 1994), the present study relied on the construct of duty orientation, which Hannah *et al.* (2014) argued to be the higher order of discretionary employee behaviours. The authors described duty orientation as one's volition to serve and faithfully support other members of the group, to strive and sacrifice to accomplish the tasks and missions of the group and to honour its codes and principles. Evidence supports the fact that duty orientation can be an important resource to improve organizational performance in complex work environments like the mining sector that demand team-oriented work practices (Ansong *et al.*, 2022; Eva *et al.*, 2020). Apparently, employees in the sector who possess these rare traits of duty orientation tend to project their organizations as meeting the lawful demands of the sector (Ansong *et al.*, 2022). As Moss *et al.* (2020) submitted, individuals with a higher duty orientation towards their group are motivated to serve the best interests of coworkers, fulfil their shared mission and align with the group's norms to improve overall performance.

Based on extant literature, organizational justice is a key determinant of extra-role behaviours such as duty orientation and related constructs such as satisfaction and commitment (Akram *et al.*, 2020). Broadly, organizational justice connotes the degree to which employees perceive the "procedural, distributive, interactive and informative" actions or decisions of their organizations as being fair to all members (Hoang *et al.*, 2022; Le *et al.*, 2021). Procedural justice refers to the individual's perception of the fairness of procedural elements within a social system that regulate the allocation of resources (De Clercq *et al.*, 2021). Distributive justice denotes the perceived fairness of the outcomes received by an employee (Pan *et al.*, 2018). Interactional justice emphasises how decision-makers treat others with dignity and provide reasonable justification for the decision being made (Kurdoglu, 2020). Likewise, informational justice focuses on the explanations provided to employees that convey information about why certain procedures were used in a certain way or outcomes were administered (Kurian and Nafukho, 2022). This suggests that organizational justice captures what the employees see as fair treatment received from organizational authorities in discharge of their roles (Terpstra and van Wijck, 2023).

Thus, Moss *et al.* (2020) claimed that since duty orientation is about the individual's volitional decision to make self-sacrifices, they may portray these traits if they perceive fair and reasonable treatment from members. Consistent with the social exchange theory (SET), Blau (1964) argued that interactions are interdependent or contingent on the actions of social exchange partners, in which recipient parties reciprocate with good where good was done to them. Following theory's tenets, Stafford and Kuiper (2021) advanced that a proposed social exchange between leaders and members would have to be equivalent to balancing reciprocity. Therefore, it is possible that employees will exhibit duty orientation to

---

compensate their organizations when they feel that they are being fairly and reasonably treated. Judging also from the perspective of organizational justice theory (Colquitt, 2001), the present study sought to share a similar view that employees would be driven to demonstrate duty orientation based on managers' traits of justice, fairness and equity. In other words, with a sense of organizational justice (Asif *et al.*, 2019), the employees may be pleased with management's actions and decisions, which eventually could propel their willingness to perform beyond their scope of work.

Despite attempts to link organizational justice to discretionary behaviours, limited attention has been given to the concept of duty orientation. Recent works have focused on how leadership (Ansong *et al.*, 2022; Moss *et al.*, 2020), perceived organizational support (DeConinck *et al.*, 2021; Eva *et al.*, 2020) and ethical psychological climate (Gok *et al.*, 2023) influenced duty orientation, with a dearth of literature on the role of organizational justice. Meanwhile, organizational justice encompasses a series of organizational actions that eschew discrimination, information asymmetry and the unfair allocation of resources for work. Thus, the lack of studies on how it drives duty orientation within the mining sector of Ghana calls for further investigation. This is because literature (Khaola and Rambe, 2021) is reluctant to accept the transportation of Western-designed studies into developing contexts without comprehensive analysis of their relevance in such contexts. In addition, organizational justice studies recently (Aggarwal *et al.*, 2022; Akram *et al.*, 2020; Jehanzeb and Mohanty, 2020) advocated for broader contextual investigations that could include plausible intervening variables to comprehend how the construct can transmit indirect influence on employees' extra work behaviours. Such interventions are essential for illuminating the different mechanisms through which organizational justice affects employee outcomes (Khaola and Rambe, 2021).

We anticipate that supervisor-provided resources (SPR), which describes the tangible and intangible resources supervisors provide employees to facilitate work delivery (Akram *et al.*, 2020; Rabbani *et al.*, 2017; Lemmon *et al.*, 2016), is a potential mediator in the link between organizational justice and duty orientation. By providing the employees with such unique resources as love, care and equitable pay recommendations, the supervisors convey positive signals to the employees to demonstrate duty orientation (Lemmon *et al.*, 2016). According to Lemmon *et al.* (2016), employees see things that assist them in the performance of their work as good resources, and when the same are provided by supervisors, they produce desirable employee outcomes. Supervisors are the "human face" of organizations who yield more influence in decision-making concerning resource allocation and the fairness of the same is reflected in the practice of organizational justice (Rabbani *et al.*, 2017). Therefore, when mining firms uphold organizational justice, their supervisors may follow a similar tune, which could translate into employees' self-sacrificing behaviours like duty orientation.

The study contributes to the literature in many prominent ways. The study attempts to fill the gaps on calls to evaluate incremental factors through which organizational justice stimulates employees' extra-role behaviours (Akram *et al.*, 2020; Jehanzeb and Mohanty, 2020). By understanding how SPR mediates the link between the primary constructs, practitioners are resourced with knowledge relating to factors through which duty orientation could be enhanced. Managers of the mining firms will be enlightened to formulate appropriate policies to help groom employees to be duty-orientated to activate the overall organizational performance. The results of the study would also guide employers in their recruitment and selection initiatives by selecting applicants who are predisposed to exhibiting the attributes of duty orientation. The study would encourage supervisors to be fair and just in dealing with employees. Theoretically, it would contribute to the existing literature on how organizational justice improves employees' duty orientation through SPR interventions.

## Literature review and hypotheses development

### *Organizational justice and duty orientation*

Drawing from the social exchange (Blau, 1964) and organizational justice (Greenberg, 1987) theories, which suggest employees react to conditions created by organizations, the employees will demonstrate duty orientation as a beneficial social exchange when employers care about their interests in a manner that is fair and acceptable (Canet-Giner *et al.*, 2020). To amplify this assertion, Ruiz-Palomino *et al.* (2023) claimed that supervisors who appear as ethical leaders by demonstrating integrity, fairness, altruism and concern for the needs of subordinates tend to motivate the employees to exhibit unspoken behaviours such as customer orientation. By shaping an ethical climate, the employees, within the spirit of reciprocity, are inclined to perform duty orientation (Mkheimer *et al.*, 2023; Ruiz-Palomino *et al.*, 2023; Stafford and Kuiper, 2021). Other scholars that have investigated the link between organizational justice and some duty orientation-related concepts such as work innovative behaviour, ethical behaviour, organizational citizenship behaviour, employee commitment and extra-role performance have reported positive associations (Al Halbusi *et al.*, 2021; Akram *et al.*, 2020).

For instance, Imamoglu *et al.* (2019) analysed survey data from 211 respondents across 101 firms and found that organizational justice has a positive and significant effect on both organizational commitment and firm performance. Similarly, Al Halbusi *et al.* (2021) documented that each of the dimensions of organizational justice (procedural, distributive, interpersonal and informational) correlated with ethical behaviour. This leads us to anticipate that when management shows organizational justice, employee may reciprocate duty orientation. Hence;

H1. Organizational justice has significant positive relationship with duty orientation.

### *Organizational justice and supervisor-provided resources*

Lemmon *et al.* (2016) described supervisor-provided resources to capture intangible attributes such as care, love, recognition and fairness offered by superiors in the workplace beyond tangible resources. These resources are categorized to include informational resources (supervisor's work-related communication, including facts, opinions, oral or written communication, conveyed verbally and/or behaviourally); love and status resources (love is an employee's perception of his or her supervisor's warmth, caring, or friendship towards the employee, whereas status is an employee's perception of the supervisor's admiration of the focal employee); and money (defined as an economic benefit, e.g. pay raises, bonuses accrued by virtue of the employee's supervisor). Thus, SPR is a sort of psychological assistance that "love" employees immediately receive from their supervisor(s) to help complete a work assignment (Lemmon *et al.*, 2016).

O'Connor and Crowley-Henry (2019) emphasised that organizational justice is hinged on the perceptions held by employees concerning subjective fairness in their employment relationships. Thus, it appears attributes of SPR overlap with organizational justice in the event that when organization through their supervisors, provide equitable resources, these will be interpreted by employees as the fulcrum of justice in such a setting (Hameed *et al.*, 2019), which may positively influence the availability of SPR to employees. Hence, the study proposed that:

H2. Organizational justice has significant positive relationship with supervisor-provided resources.

### *Supervisor-provided resources and duty orientation*

In line with the SET, Maan *et al.* (2020) submitted that organizations that support their employees tend to increase the norms of reciprocity. This implies that employees in such

---

organizations feel more indebted to these entities and may have a higher propensity to demonstrate duty orientation. According to [Ahmad and Zafar \(2018\)](#), employees' fulfilment of instrumental and socioemotional expectations enhances their positive judgements about employers, triggering behaviours such as demonstrating high attendance, taking proactive approaches to organizational challenges, supporting their colleagues and working beyond their legal work requirements. Accordingly, [Talukder et al. \(2018\)](#) revealed that supervisory support was key to enhancing employee performance because supervisors assist employees in attaining work–life balance. Also, [Zagenczyk et al. \(2021\)](#) confirmed a positive relationship between perceived organizational support and affective organizational commitment.

Although there have not been specific studies on how SPR influence duty orientation, we rely on the aforementioned empirical evidence on the positive relationship between perceived organizational support and positive work behaviours related to duty orientation to project a likely association between the variables. This is because, as employees develop the feeling that their supervisors can reach out to them in terms of need, such feelings could be translated into duty orientation. Therefore, we propose that:

- H3.* Supervisor-provided resource has significant positive relationship with employee duty orientation.

#### *Organizational justice, supervisor-provided resources and duty orientation*

Despite the fact that previous studies suggest facets of organizational support could stimulate positive work behaviour such as duty orientation ([Baafi et al., 2021](#); [Imamoglu et al., 2019](#); [Akram et al., 2020](#); [Singh and Singh, 2019](#)), the role that SPR plays in the relationship between organizational justice and duty orientation has not been given attention. Following the earlier arguments and the research evidence provided for [hypotheses 2](#) and [3](#), the study anticipates that organizational justice could influence SPR, which may in turn positively affect employees' duty orientation. Consistent with the organizational justice theory, the study argues that organizations that make their systems and procedures fair and honest will get the employees to believe that their supervisors are providing resources in the form of championing support for their needs. In light of the tenets of reciprocity ([Blau, 1964](#)), these practices will culminate in duty orientation. Through justice perceptions, the employees' resource loss is minimized ([Hobfoll and Freedy, 2017](#)) and, to that extent, their morale in conducting their duties. Hence, we propose that SPR could serve as a mediator in transmitting the indirect effects of organizational justice to duty orientation. Based on the arguments advanced, we hypothesise that:

- H4.* Supervisor-provided resource mediates the relationship between organizational justice and duty orientation.

#### *Conceptual framework*

The framework (see [Appendix A](#)) shows the interrelationships among the variables under study. Duty orientation is the dependent variable of the study and organizational justice is the independent variable. SPR serve as the mediating variable, as already established in the literature. According to the framework, organizational justice could have a direct and indirect link with duty orientation through SPR.

#### **Methodology**

Around 291 out of a total of 1,200 employees were drawn from a mining company operating in the Ashanti Region of Ghana for the study. The company selected is one of the largest mining firms in the region and across the country. This fits the premises on which it was selected,

---

besides the fact that the Ashanti Region of Ghana is where the majority of the mining firms are cited. By relying on [Krejcie and Morgan's \(1970\)](#) sample size determination technique, the study concluded that the sample size used was representative of the total population of 1,200 employees from the mining company. The study further deployed the simple random sampling procedure to identify the respondents for the study, primarily to defeat the issues of sampling bias in the study. Also, a structured self-administered questionnaire was used to collect the data by distributing the questionnaires to the sampled employees during working hours between July and August 2021 on a face-to-face basis. Out of the 291 questionnaires that were distributed, it turned out that the majority of the respondents were males as opposed to females in percentage terms of 64.6% and 35.4%, respectively. In terms of their age groups, 68.4% of them, who were the majority, were between the ages of 31–45 years, while 19.6% of them were between the ages of 18–30 years 10.7% were between the ages of 46–60 years and 1.4% were above 60 years. Finally, the respondents' characteristics in respect of work experience indicated that 37.1% of the respondents have worked for the company for over nine years. This was followed by 25.8% of the respondents who indicated that they had worked for less than two years. Furthermore, 25.8% of them indicated that they have been working in the company for about 6–8 years, while 12.7% said that they have been working for about 3–5 years. The background of the respondents was presented in [Appendix B](#).

#### *Measures*

The scales used in the study were adopted from empirically validated instruments by previous scholars of the constructs. Organizational justice is made up of four-subscales, comprising procedural, distributive, interactive and informational justice. The scale was adopted from a study conducted by [Colquitt \(2001\)](#) due to its wide usage. SPR scale comprising items on love, status and money, developed and validated by [Lemmon et al. \(2016\)](#), was used to elicit responses from the participants. With respect to duty orientation, the study deployed the 12-item instrument developed and validated by [Hannah et al. \(2014\)](#). The instrument captured three subconstructs, including respondents' extra role of feeling duty to members of their organization, to their organization's mission and to their organization's morals and codes. The items for the various instruments have been placed in [Appendix C](#) for reference.

#### *Analysis*

The data were analysed using the partial least square structural equation modelling (PLS-SEM) technique from SmartPLS version 4.0.9.2. PLS-SEM has been praised for its robustness in the determination of relationships among constructs in complex research models ([Ringle et al., 2020](#)). It is also effective when analysing data involving higher-order constructs (HOC). The HOC improve the model parsimony and allow for analysis of dimension-specific effects on subsequent constructs ([Ringle et al., 2020](#); [Wong, 2019](#)). Because the analysis was based on HOC approach, it was worthwhile leveraging the efficacy of PLS-SEM to interpret the results. Thus, the subconstructs (i.e. procedural justice, distributive justice, interactional justice and informational justice) were used as lower-level constructs (LOC) of the HOC, organizational justice (see [Appendix D](#)).

Methodologically, the LOCs are first examined through the PLS-SEM algorithm to ensure the subconstructs have appropriate loadings and correlations with the HOC and then, the HOC is connected to the endogenous (dependent) variable. Again, when assessing the roles of incremental or intervening variables like mediators in the relationship between exogenous and endogenous variables, the PLS-SEM approach seems appropriate ([Sarstedt et al., 2021](#)). SPR construct were used as a mediator in the current study. Consequently, the study

---

evaluated the measurement model through indicator or outer loadings, internal consistency and discriminant validity of the constructs. Next, the structural model follows the prescribed indices comprising correlation coefficients or paths (R), coefficient of determination ( $R^2$ ), predictive relevance ( $Q^2$ ), effect size ( $f^2$ ) and a significant level of 5% or less or a t-statistic of 1.96 or higher to test the structural model (Hair *et al.*, 2019).

## Results

### *Measurement model*

The results in Tables 1 and 2 present insights on the assessment of the indicator and constructs' reliability for the model. According to Table 1, indicator reliability, which shows the proportion of variance of an indicator that can be described by its underlying latent variable (Ong and Puteh, 2017), was assessed using the loadings. The results suggest that the indicators have met the 0.60 or higher threshold for social research (Hair *et al.*, 2019).

Also, the internal consistency test for the constructs was not violated. As a rule of thumb, by establishing the cut-off points of CA, rho\_A and CR at values > 0.70, it could be deduced that all the scores for the constructs were >0.70. Furthermore, the convergent validity (CV) of the study based on the average variance extracted (AVE) score is presented in Table 2. The rule of thumb is that all the AVE scores should have a minimum threshold of  $\geq 0.50$  for each construct (Hair *et al.*, 2019). A cursory look at the scores of the major constructs, including the dimensions of organizational justice, in Table 1 revealed that the constructs have met the criteria (AVE scores  $\geq 0.50$ ).

We assessed the discriminant validity of the model to ascertain the uniqueness of each construct employed in the study using the HTMT ratio results captured in Table 2. Theoretically, the HTMT ratio shows superior performance by having the ability to detect discriminant validity in more common research scenarios than other techniques (Henseler *et al.*, 2016). The rule of thumb is that to achieve DV, HTMT values should be < 0.85 for unrelated constructs or <0.90 for research scenarios where the constructs are highly related (Hair *et al.*, 2019). Given that the study relied on the HOC approach, in which the LOCs are related by dimensionality, the present study used the 0.90 as a benchmark for testing issues of discriminant validity. From Table 2, all the values for each of the constructs and subconstructs were below HTMT.90. This is a good indication that each construct is truly distinct from the others. After these basic assessments, the study followed up with the analysis of the research hypotheses in Table 3.

### *Structural model*

After a successful evaluation of the constructs quality criteria through the measurement model, the structural model results were followed. The results of the structural model, as reported in Table 3, formed the basis for testing the research hypotheses postulated.

By checking the results of the lower-lever constructs in Table 3, it can be expressed that the four subconstructs (procedural, distributive, interactive and informational) effectively form and contribute to the organizational justice construct. This is reflected in the  $R^2$  value of 0.999 (see also Appendix D). Furthermore, the results in Table 3 are in line with the study's expectations imitated in the hypotheses. It can be seen that organizational justice has a significant positive relationship with duty orientation ( $R = 0.450$ ;  $t = 6.894$ ;  $p < 0.001$ ) and SPR ( $R = 0.634$ ;  $t = 12.824$ ;  $p < 0.000$ ). Also, the results indicate that SPR had a significant positive relationship with duty orientation ( $R = 0.162$ ;  $t = 2.017$ ;  $p = 0.044$ ). Finally, the results reported in the indirect column of Table 3 were consistent with the study's hypothesis that SPR partially mediates the relationship between organizational justice and duty orientation ( $R = 0.103$ ;  $t = 1.968$ ;  $p = 0.041$ ).

Constructs/Items	Loadings	CA	rho_A	CR	CV (AVE)
Organizational justice		0.959	0.962	0.963	0.544
OJD10	0.728				
OJD11	0.790				
OJD7	0.509				
OJD8	0.654				
OJD9	0.697				
OJI12	0.843				
OJI13	0.825				
OJI14	0.836				
OJI15	0.796				
OJIF16	0.841				
OJIF17	0.790				
OJIF18	0.849				
OJIF19	0.787				
OJIF20	0.811				
OJIF21	0.622				
OJIF22	0.592				
OJP1	0.708				
OJP2	0.729				
OJP3	0.662				
OJP4	0.677				
OJP5	0.664				
OJP6	0.698				
Duty orientation		0.958	0.960	0.964	0.748
DTO10	0.845				
DTO11	0.857				
DTO2	0.855				
DTO3	0.843				
DTO5	0.853				
DTO6	0.897				
DTO7	0.894				
DTO8	0.895				
DTO9	0.841				
Informational justice		0.926	0.937	0.941	0.698
OJIF16	0.866				
OJIF17	0.863				
OJIF18	0.917				
OJIF19	0.888				
OJIF20	0.897				
OJIF21	0.707				
OJIF22	0.678				
Interactive justice		0.939	0.941	0.956	0.845
OJI12	0.941				
OJI13	0.938				
OJI14	0.939				
OJI15	0.836				
Distributive justice		0.934	0.935	0.953	0.836
OJD10	0.943				
OJD11	0.860				
OJD8	0.928				
OJD9	0.944				
Procedural justice		0.959	0.960	0.967	0.831
OJP1	0.889				
OJP2	0.907				

**Table 1.**  
Assessment of items  
reliability, internal  
consistency and  
convergent validity

(continued)

Constructs/Items	Loadings	CA	rho_A	CR	CV (AVE)	Organizational justice and duty orientation
OJP3	0.898					
OJP4	0.925					
OJP5	0.934					
OJP6	0.917					
Supervisor-provided resources		0.932	0.941	0.944	0.680	
SPR1	0.811					
SPR2	0.853					
SPR3	0.894					
SPR4	0.912					
SPR5	0.876					
SPR6	0.838					
SPR7	0.688					
SPR8	0.695					

**Note(s):** CA – Cronbach’s alpha; CR – Composite reliability; CV – Convergent validity and AVE – Average variance extracted

**Source(s):** Table by authors

**Table 1.**

Constructs	1	2	3	4	5	6	7
1. Duty orientation							
2. Informational justice	0.509						
3. Interactional justice	0.431	0.696					
4. Distributive justice	0.509	0.861	0.857				
5. Organizational justice	0.573	0.651	0.822	0.843			
6. Procedural justice	0.482	0.582	0.363	0.547	0.807		
7. Supervisor-provided resources	0.469	0.761	0.449	0.514	0.659	0.455	

**Note(s):** DO – Duty orientation; IJ – Informational justice; IJ – Interactive justice; DJ – Distributive justice; PJ – Procedural justice and SPR – Supervisor-provided resource

**Source(s):** Table by authors

**Table 2.**  
Discriminant validity through the HTMT ratio

Structural path	( $\beta$ )	<i>t</i> -stats	<i>p</i> -values	Hypotheses	$R^2$	$Q^2$	$f^2$
OJ					0.999		
DO					0.322	0.233	
SPR					0.402	0.267	
LOCs							
Procedural → OJ	0.347	18.268	0.000				
Distributive → OJ	0.218	21.034	0.000				
Interactive → OJ	0.229	18.489	0.000				
Informational → OJ	0.394	26.140	0.000				
Direct (HOC)							
OJ → DO	0.450	6.894	0.000	H1: Supported			0.179
OJ → SPR	0.634	12.824	0.000	H2: Supported			0.672
SPR → DO	0.162	2.017	0.044	H3: Supported			0.023
Indirect (mediation)							
OJ → SPR → DO	0.103	1.968	0.041	H4: Supported			

**Note(s):** “ $R^2$  of 0.25, 0.5 and 0.75 is considered as weak, moderate and substantial respectively;  $Q^2$  of 0.02, 0.15 and 0.35 is considered as small, medium and large, respectively;  $f^2$  of 0.02, 0.15 and 0.35 is seen as small, medium and large, respectively”

**Source(s):** Table by authors

**Table 3.**  
Hypotheses testing

---

On the basis of the  $R^2$ , the study asserts that organizational justice and SPR together explained 32.2% of changes in employees' duty orientation in organizations. Besides, organizational justice was to have accounted for 40.2% of variations in the scores of SPR. Finally, the predictive relevance of the PLS model along with the various effect sizes of the exogenous variables on the endogenous variable were satisfactory.

---

## Discussion

The study investigated the influence of organizational justice on the duty orientation of employees in the mining sector of Ghana, using SPR as a mediator. The results of the study supported the hypotheses. Concisely, it was established that organizational justice has a significant positive influence on duty orientation and SPR. With organizational justice, we conclude that employees perceive the policies and systems of companies that are equitable and fair as important resources that facilitate the performance of their work. Again, organizations that eschew discrimination and bias are better positioned to spur duty orientation among their employees. Overall, the findings support the view that employees in "just" organizations tend to be duty-orientated by upholding the vision and mission of the organization, helping their colleagues and respecting the values and beliefs of the companies for purposes of enhancing business prosperity (Hannah *et al.*, 2014). The findings are supported by previous studies (Akram *et al.*, 2020; Imamoglu *et al.*, 2019), which investigated the link between organizational justice and discretionary behaviours. For example, the evidence documented in the Akram *et al.* (2020) study points to the conclusion that organizational justice spurs innovative work behaviours among employees in the telecommunications sector.

Further, our study revealed that SPR have a significant positive association with duty orientation in the mining sector of Ghana. This means that supervisor-provided resources tend to attract employees to appreciate the firms they work for with a duty orientation. This finding has found expression in the social exchange and organizational justice theories in which Stafford and Kuiper (2021) argue that employees' value beneficial interactions with supervisors and will, in the spirit of reciprocity, engage in useful acts such as duty orientation. Also, because supervisors are at the forefront of organizations and control resources, initiatives they take in the form of providing the right resources incite employees to demonstrate duty orientations (Lemmon *et al.*, 2016; Hannah *et al.*, 2014). Particularly, employees cherish affection and good relationships as well as the provision of sufficient information towards the execution of their roles (Rabbani *et al.*, 2017).

Finally, the findings revealed that supervisor-provided resources partially mediate the link between organizational justice and duty orientation. The implication is that although organizational justice can influence the duty orientation of employees in the company, such influence can be improved when the employees perceive the adequate presence of SPR. Within the tenets of reciprocity (Blau, 1964), employees will demonstrate improved behaviours of duty orientation when organizational justice and SPR are complementarily effective in mining companies. Generally, employees who perceive fairness in their organization tend to perceive their jobs as satisfying and meaningful and thus become more responsive to the goals of the organization, the codes of the teams and the overall mission of the organization (Ansong *et al.*, 2022; Akram *et al.*, 2016).

## Theoretical implications

The findings of the study are prominent in many ways. Based on our review of the extant literature, previous studies have primarily analysed how organizational justice predicts employees' behaviours such as work innovative behaviour (Akram *et al.*, 2020),

organizational citizenship behaviours (Yuen Onn *et al.*, 2018), employee commitment and psychological resilience (Quratulain *et al.*, 2012). This study, thus, contributes to the literature by adding duty orientation to the list. Besides providing clarity on some of the determinants of duty orientation among employees, the results answered the call by some scholars (Aggarwal *et al.*, 2022; Akram *et al.*, 2020; Jehanzeb and Mohanty, 2020) for the need to broaden the nature of investigations on the effects of organizational justice on employee behaviour through a broader contextual study that will include plausible intervening variables. The findings provide crucial pointers to organizations on the role of SPR in fostering the relationship between organizational justice and positive employee behaviour-related constructs. Moreover, the evidence documented in the Ghanaian context on the role of organizational justice and SPR forms a fundamental reference for future scholars in related fields. The study has broadened the scope of knowledge on the factors organizations can leverage to promote duty orientation among employees.

The findings further shed light on the organizational justice and social exchange theories by establishing that employees feel the obligation to give back valuable efforts in response to essential services and practices offered to them by the organization. In sum, organizational justice elevates workers' extra work roles by promoting employees' duty orientation (Ansong *et al.*, 2022). The findings strengthen the arguments of organizational justice, organizational support and social exchange theories, given that employees perceive justice as an important resource and support that has the potential to provoke positive work behaviours.

### **Practical implications**

The evidence gathered from the study is useful for managers of mining companies and policymakers in the production sector of the Ghanaian economy. Within the contemporary business environment, good organizational policies and systems have been the centre of business success, and firms should not ignore the role of organizational justice in stimulating the duty orientation of employees. Although duty orientation is a sort of discretionary employee attitude, essential company policies like organizational justice and supervisor-provided resources are critical success factors for its enforcement in the organization. In light of these, the management of the mining companies should devote resources to developing organizational justice policies based on fairness in resource allocation, clear roles, employee feedback and effective information dissemination. Management of the companies could also strategically outline and incorporate good pay policies, promotion, performance appraisals and quality of work-life in running their affairs. Moreover, the management of mining companies can ignite the duty orientation of their employees by showing love and affection, recognizing them, providing them with complete information and demonstrating confidence in their abilities. Again, supervisors or managers at the operational level should have a clear perspective on how to conceptualize and administer social, task and financial resources. It would be prudent for supervisors to place priority on acquiring and dispensing these resources in a fair manner. This can be achieved if organizations correlate resource flows and incentives with employee outcomes. These practices would encourage employees to reciprocate good behaviour towards their organization by being duty-orientated.

### **Conclusions**

Following the findings that emerged, the study concludes that organizational justice and SPR are critical factors for spurring duty orientation in mining firms in Ghana. This suggests that the firms should empower the various supervisors to exercise organizational justice in the allocation and delivery of resources to subordinates to demonstrate duty orientation. Considering the high demands from employees to show innovative and loyal behaviours on

the job, it is essential for management to adopt policies that would foster these behaviours among the employees. Since duty orientation captures the volition to pursue the overall interests of firms, the study would broadly recommend that practitioners and policymakers pay attention to behavioural measures that promote favourable employee outcomes.

### Limitations and suggestion for future studies

Although the study presented essential findings on how management and policymakers in the mining sector will integrate organizational justice policies with supervisor-provided resources to enhance duty orientation, it should be treated as preliminary until further studies replicate the study in other broad settings. We recommend that future studies consider longitudinal and experimental research to help confirm the causal paths investigated in the present study. Again, the study relied on self-reported measures in the data collection procedure. Despite the fact that some researchers claim self-reported bias is trivial and rarely invalidates research findings, it is possible that the findings of the present study may be contaminated by the same source bias. It is recommended that future studies consider a mixed approach and relevant control and moderating variables like gender to better understand the phenomenon studied.

### References

- Aggarwal, A., Jaisinghani, D. and Nobi, K. (2022), "Effect of organizational justice and support on organizational commitment and employee turnover intentions: the mediating role of employee engagement", *International Journal of Quality and Service Sciences*, Vol. 14 No. 4, pp. 525-554, doi: [10.1108/ijqss-08-2021-0112](https://doi.org/10.1108/ijqss-08-2021-0112).
- Ahmad, I. and Zafar, M.A. (2018), "Impact of psychological contract fulfillment on organizational citizenship behavior: mediating role of perceived organizational support", *International Journal of Contemporary Hospitality Management*, Vol. 30 No. 2, pp. 1001-1015, doi: [10.1108/ijchm-12-2016-0659](https://doi.org/10.1108/ijchm-12-2016-0659).
- Akram, T., Haider, M.J. and Feng, Y.X. (2016), "The effects of organizational justice on the innovative work behavior of employees: an empirical study from China", *Innovation*, Vol. 2 No. 1, pp. 114-126.
- Akram, T., Lei, S., Haider, M.J. and Hussain, S.T. (2020), "The impact of organizational justice on employee innovative work behavior: mediating role of knowledge sharing", *Journal of Innovation and Knowledge*, Vol. 5 No. 2, pp. 117-129, doi: [10.1016/j.jik.2019.10.001](https://doi.org/10.1016/j.jik.2019.10.001).
- Al Halbusi, H., Ruiz-Palomino, P., Jimenez-Estevez, P. and Gutiérrez-Broncano, S. (2021), "How upper/middle managers' ethical leadership activates employee ethical behavior? The role of organizational justice perceptions among employees", *Frontiers in Psychology*, Vol. 12 No. 2021, pp. 1-13, doi: [10.3389/fpsyg.2021.652471](https://doi.org/10.3389/fpsyg.2021.652471).
- Ansong, A., Agyeiwaa, A.A. and Gnankob, R.I. (2022), "Responsible leadership, job satisfaction and duty orientation: lessons from the manufacturing sector in Ghana", *European Business Review*, Vol. 34 No. 6, pp. 921-935, doi: [10.1108/ebv-12-2021-0261](https://doi.org/10.1108/ebv-12-2021-0261).
- Asif, M., Qing, M., Hwang, J. and Shi, H. (2019), "Ethical leadership, affective commitment, work engagement, and creativity: testing a multiple mediation approach", *Sustainability*, Vol. 11 No. 16, pp. 1-16, doi: [10.3390/su11164489](https://doi.org/10.3390/su11164489).
- Baafi, F., Ansong, A., Dogbey, K.E. and Owusu, N.O. (2021), "Leadership and innovative work behaviour within Ghanaian metropolitan assemblies: mediating role of resource supply", *International Journal of Public Sector Management*, Vol. 34 No. 7, pp. 765-782, doi: [10.1108/ijpsm-01-2021-0005](https://doi.org/10.1108/ijpsm-01-2021-0005).
- Blau, P. (1964), *Power and Exchange in Social Life*, J Wiley & Sons, New York.
- Blinova, E., Ponomarenko, T. and Knysh, V. (2022), "Analyzing the concept of corporate sustainability in the context of sustainable business development in the mining sector with elements of circular economy", *Sustainability*, Vol. 14 No. 13, pp. 1-30, doi: [10.3390/su14138163](https://doi.org/10.3390/su14138163).

- 
- Canet-Giner, T., Redondo-Cano, A., Saorín-Iborra, C. and Escribá-Carda, N. (2020), "Impact of the perception of performance appraisal practices on individual innovative behavior", *European Journal of Management and Business Economics*, Vol. 29 No. 3, pp. 277-296, doi: [10.1108/ejmb-01-2019-0018](https://doi.org/10.1108/ejmb-01-2019-0018).
- Colquitt, J.A. (2001), "On the dimensionality of organizational justice: a construct validation of a measure", *Journal of Applied Psychology*, Vol. 86 No. 3, pp. 386-400, doi: [10.1037//0021-9010.86.3.386](https://doi.org/10.1037//0021-9010.86.3.386).
- De Clercq, D., Ul-Haq, I. and Azeem, M.U. (2021), "Unpacking the relationship between procedural justice and job performance", *Management Decision*, Vol. 59 No. 9, pp. 2183-2199, doi: [10.1108/md-09-2019-1211](https://doi.org/10.1108/md-09-2019-1211).
- DeConinck, J., Carnes, D. and DeConinck, M.B. (2021), "Antecedents and outcomes of duty orientation among salespeople", *American Business Review*, Vol. 24 No. 2, pp. 100-114, doi: [10.37625/abr.24.2.100-114](https://doi.org/10.37625/abr.24.2.100-114).
- Eva, N., Newman, A., Miao, Q., Wang, D. and Cooper, B. (2020), "Antecedents of duty orientation and follower work behavior: the interactive effects of perceived organizational support and ethical leadership", *Journal of Business Ethics*, Vol. 161 No. 3, pp. 627-639, doi: [10.1007/s10551-018-3948-5](https://doi.org/10.1007/s10551-018-3948-5).
- Gnankob, R.I., Ansong, A. and Issau, K. (2022), "Servant leadership and organizational citizenship behaviour: the role of public service motivation and length of time spent with the leader", *International Journal of Public Sector Management*, Vol. 35 No. 2, pp. 236-253, doi: [10.1108/ijpsm-04-2021-0108](https://doi.org/10.1108/ijpsm-04-2021-0108).
- Gok, K., Babalola, M.T., Lakshman, C., Sumanth, J.J., Vo, L.C., Decoster, S., Bansal, A., Coşkun, A. and Coşkun, A. (2023), "Enhancing employees' duty orientation and moral potency: dual mechanisms linking ethical psychological climate to ethically focused proactive behaviors", *Journal of Organizational Behavior*, Vol. 44 No. 1, pp. 157-175, doi: [10.1002/job.2667](https://doi.org/10.1002/job.2667).
- Greenberg, J. (1987), "A taxonomy of organizational justice theories", *Academy of Management Review*, Vol. 12 No. 1, pp. 9-22, doi: [10.5465/amr.1987.4306437](https://doi.org/10.5465/amr.1987.4306437).
- Hair, J.F., Risher, J.J., Sarstedt, M. and Ringle, C.M. (2019), "When to use and how to report the results of PLS-SEM", *European Business Review*, Vol. 31 No. 1, pp. 2-24, doi: [10.1108/eb-11-2018-0203](https://doi.org/10.1108/eb-11-2018-0203).
- Hameed, Z., Khan, I.U., Sheikh, Z., Islam, T., Rasheed, M.I. and Naeem, R.M. (2019), "Organizational justice and knowledge sharing behavior: the role of psychological ownership and perceived organizational support", *Personnel Review*, Vol. 48 No. 3, pp. 748-773, doi: [10.1108/pr-07-2017-0217](https://doi.org/10.1108/pr-07-2017-0217).
- Hannah, S.T., Jennings, P.L., Bluhm, D., Peng, A.C. and Schaubroeck, J.M. (2014), "Duty orientation: theoretical development and preliminary construct testing", *Organizational Behavior and Human Decision Processes*, Vol. 123 No. 2, pp. 220-238, doi: [10.1016/j.obhdp.2013.10.007](https://doi.org/10.1016/j.obhdp.2013.10.007).
- Henseler, J., Hubona, G. and Ray, P.A. (2016), "Using PLS path modeling in new technology research: updated guidelines", *Industrial Management and Data Systems*, Vol. 116 No. 1, pp. 2-20, doi: [10.1108/imds-09-2015-0382](https://doi.org/10.1108/imds-09-2015-0382).
- Hoang, T., Suh, J. and Sabharwal, M. (2022), "Beyond a numbers game? Impact of diversity and inclusion on the perception of organizational justice", *Public Administration Review*, Vol. 82 No. 3, pp. 537-555, doi: [10.1111/puar.13463](https://doi.org/10.1111/puar.13463).
- Hobfoll, S.E. and Freedy, J. (2017), "Conservation of resources: a general stress theory applied to burnout", in *Professional Burnout*, Routledge, pp. 115-129.
- Imamoglu, S.Z., Ince, H., Turkcan, H. and Atakay, B. (2019), "The effect of organizational justice and organizational commitment on knowledge sharing and firm performance", *Procedia Computer Science*, Vol. 158 No. 2019, pp. 899-906, doi: [10.1016/j.procs.2019.09.129](https://doi.org/10.1016/j.procs.2019.09.129).
- Jehanzeb, K. and Mohanty, J. (2020), "The mediating role of organizational commitment between organizational justice and organizational citizenship behavior: power distance as moderator", *Personnel Review*, Vol. 49 No. 2, pp. 445-468, doi: [10.1108/pr-09-2018-0327](https://doi.org/10.1108/pr-09-2018-0327).
- Khaola, P. and Rambe, P. (2021), "The effects of transformational leadership on organisational citizenship behaviour: the role of organisational justice and affective commitment", *Management Research Review*, Vol. 44 No. 3, pp. 381-398, doi: [10.1108/mrr-07-2019-0323](https://doi.org/10.1108/mrr-07-2019-0323).

- Krejcie, R. and Morgan, S. (1970), "Sample size determination", *Business Research Methods*, Vol. 4 No. 5, pp. 34-36.
- Kurdoglu, R.S. (2020), "The mirage of procedural justice and the primacy of interactional justice in organizations", *Journal of Business Ethics*, Vol. 167 No. 3, pp. 495-512, doi: [10.1007/s10551-019-04166-z](https://doi.org/10.1007/s10551-019-04166-z).
- Kurian, D. and Nafukho, F.M. (2022), "Can authentic leadership influence the employees' organizational justice perceptions? –a study in the hotel context", *International Hospitality Review*, Vol. 36 No. 1, pp. 45-64, doi: [10.1108/ihr-08-2020-0047](https://doi.org/10.1108/ihr-08-2020-0047).
- Le, H., Palmer Johnson, C. and Fujimoto, Y. (2021), "Organizational justice and climate for inclusion", *Personnel Review*, Vol. 50 No. 1, pp. 1-20, doi: [10.1108/pr-10-2019-0546](https://doi.org/10.1108/pr-10-2019-0546).
- Lemmon, G., Glibkowski, B.C., Wayne, S.J., Chaudhry, A. and Marinova, S. (2016), "Supervisor-provided resources: development and validation of a measure of employee resources", *Journal of Leadership and Organizational Studies*, Vol. 23 No. 3, pp. 288-308, doi: [10.1177/1548051816630226](https://doi.org/10.1177/1548051816630226).
- Maan, A.T., Abid, G., Butt, T.H., Ashfaq, F. and Ahmed, S. (2020), "Perceived organizational support and job satisfaction: a moderated mediation model of proactive personality and psychological empowerment", *Future Business Journal*, Vol. 6 No. 1, pp. 1-12, doi: [10.1186/s43093-020-00027-8](https://doi.org/10.1186/s43093-020-00027-8).
- Mkheimer, I.M., Selem, K.M., Shehata, A.E., Hussain, K. and Perez Perez, M. (2023), "Can hotel employees arise internal whistleblowing intentions? Leader ethics, workplace virtues and moral courage", *European Journal of Management and Business Economics*, Vol. 32 No. 2, pp. 203-222, doi: [10.1108/ejmb-10-2021-0275](https://doi.org/10.1108/ejmb-10-2021-0275).
- Moss, S.E., Song, M., Hannah, S.T., Wang, Z. and Sumanth, J.J. (2020), "The duty to improve oneself: how duty orientation mediates the relationship between ethical leadership and followers' feedback-seeking and feedback-avoiding behavior", *Journal of Business Ethics*, Vol. 165 No. 4, pp. 615-631, doi: [10.1007/s10551-018-4095-8](https://doi.org/10.1007/s10551-018-4095-8).
- Ong, M.H.A. and Puteh, F. (2017), "Quantitative data analysis: choosing between SPSS, PLS, and AMOS in social science research", *International Interdisciplinary Journal of Scientific Research*, Vol. 3 No. 1, pp. 14-25.
- Organ, D.W. (1994), "Personality and organizational citizenship behavior", *Journal of Management*, Vol. 20 No. 2, pp. 465-478, doi: [10.1016/0149-2063\(94\)90023-x](https://doi.org/10.1016/0149-2063(94)90023-x).
- O'Connor, E.P. and Crowley-Henry, M. (2019), "Exploring the relationship between exclusive talent management, perceived organizational justice and employee engagement: bridging the literature", *Journal of Business Ethics*, Vol. 156 No. 4, pp. 903-917, doi: [10.1007/s10551-017-3543-1](https://doi.org/10.1007/s10551-017-3543-1).
- Pan, X., Chen, M., Hao, Z. and Bi, W. (2018), "The effects of organizational justice on positive organizational behavior: evidence from a large-sample survey and a situational experiment", *Frontiers in Psychology*, Vol. 8 No. 2018, pp. 1-16, doi: [10.3389/fpsyg.2017.02315](https://doi.org/10.3389/fpsyg.2017.02315).
- Quratulain, S., Khan, A.K. and Peretti, J.M. (2012), "The moderating impact of Hofstede's cultural dimensions on the relationship between organizational justice and organizational citizenship behaviours: a study in Pakistani work context", *European Journal of Cross-Cultural Competence and Management*, Vol. 2 No. 2, pp. 149-171, doi: [10.1504/ejccm.2012.047089](https://doi.org/10.1504/ejccm.2012.047089).
- Rabbani, S.H., Akram, J., Habib, G. and Sohail, N. (2017), "Supervisory support on the organizational commitment: role of power distance in the manufacturing sector of Pakistan", *Resource*, Vol. 9 No. 22, pp. 1-12.
- Ringle, C.M., Sarstedt, M., Mitchell, R. and Gudergan, S.P. (2020), "Partial least squares structural equation modeling in HRM research", *The International Journal of Human Resource Management*, Vol. 31 No. 12, pp. 1617-1643, doi: [10.1080/09585192.2017.1416655](https://doi.org/10.1080/09585192.2017.1416655).
- Ruiz-Palomino, P., Linuesa-Langreo, J., Rincón-Ornelas, R.M. and Martínez-Ruiz, M.P. (2023), "Putting the customer at the center: does store managers' ethical leadership make a difference in authentic customer orientation?", *Academia Revista Latinoamericana de Administracion*, Vol. 36 No. 2, pp. 269-288, doi: [10.1108/arla-11-2022-0201](https://doi.org/10.1108/arla-11-2022-0201).
- Sarstedt, M., Ringle, C.M. and Hair, J.F. (2021), "Partial least squares structural equation modeling", in *Handbook of Market Research*, Springer International Publishing, Cham, pp. 587-632.

- Sauer, P.C. and Hiete, M. (2019), "Multi-stakeholder initiatives as social innovation for governance and practice: a review of responsible mining initiatives", *Sustainability*, Vol. 12 No. 1, pp. 1-30, doi: [10.3390/su12010236](https://doi.org/10.3390/su12010236).
- Singh, S.K. and Singh, A.P. (2019), "Interplay of organizational justice, psychological empowerment, organizational citizenship behavior, and job satisfaction in the context of circular economy", *Management Decision*, Vol. 57 No. 4, pp. 937-952, doi: [10.1108/md-09-2018-0966](https://doi.org/10.1108/md-09-2018-0966).
- Stafford, L. and Kuiper, K. (2021), "Social exchange theories: calculating the rewards and costs of personal relationships", in *Engaging Theories in Interpersonal Communication*, Routledge, pp. 379-390.
- Talukder, A.K.M., Vickers, M. and Khan, A. (2018), "Supervisor support and work-life balance: impacts on job performance in the Australian financial sector", *Personnel Review*, Vol. 47 No. 3, pp. 727-744, doi: [10.1108/pr-12-2016-0314](https://doi.org/10.1108/pr-12-2016-0314).
- Terpstra, B.L. and van Wijck, P.W. (2023), "The influence of police treatment and decision-making on perceptions of procedural justice: a field Study", *Journal of Research in Crime and Delinquency*, Vol. 60 No. 3, pp. 344-377, doi: [10.1177/00224278211030968](https://doi.org/10.1177/00224278211030968).
- Wong, K.K.K. (2019), *Mastering Partial Least Squares Structural Equation Modeling (PLS-SEM) with SmartPLS in 38 Hours*, iUniverse, Bloomington.
- Yuen Onn, C., Nordin bin Yunus, J., Yusof, H.B., Moorthy, K. and Ai Na, S. (2018), "The mediating effect of trust on the dimensionality of organizational justice and organizational citizenship behaviour amongst teachers in Malaysia", *Educational Psychology*, Vol. 38 No. 8, pp. 1010-1031, doi: [10.1080/01443410.2018.1426836](https://doi.org/10.1080/01443410.2018.1426836).
- Zagenczyk, T.J., Purvis, R.L., Cruz, K.S., Thoroughgood, C.N. and Sawyer, K.B. (2021), "Context and social exchange: perceived ethical climate strengthens the relationships between perceived organizational support and organizational identification and commitment", *The International Journal of Human Resource Management*, Vol. 32 No. 22, pp. 4752-4771, doi: [10.1080/09585192.2019.1706618](https://doi.org/10.1080/09585192.2019.1706618).

### Further reading

- Arnéguy, E., Ohana, M. and Stinglhamber, F. (2018), "Organizational justice and readiness for change: a concomitant examination of the mediating role of perceived organizational support and identification", *Frontiers in Psychology*, Vol. 9 No. 1, pp. 1-13, doi: [10.3389/fpsyg.2018.01172](https://doi.org/10.3389/fpsyg.2018.01172).
- Farid, T., Iqbal, S., Ma, J., Castro-González, S., Khattak, A. and Khan, M.K. (2019), "Employees' perceptions of CSR, work engagement, and organizational citizenship behavior: the mediating effects of organizational justice", *International Journal of Environmental Research and Public Health*, Vol. 16 No. 10, pp. 1-6, doi: [10.3390/ijerph16101731](https://doi.org/10.3390/ijerph16101731).
- Ko, J. and Hur, S. (2014), "The impacts of employee benefits, procedural justice, and managerial trustworthiness on work attitudes: integrated understanding based on social exchange theory", *Public Administration Review*, Vol. 74 No. 2, pp. 176-187, doi: [10.1111/puar.12160](https://doi.org/10.1111/puar.12160).

### Appendix

The supplementary material for this article can be found online.

### Corresponding author

Robert Ipiin Gnankob can be contacted at: [robert.gnankob@stu.ucc.edu.gh](mailto:robert.gnankob@stu.ucc.edu.gh)

For instructions on how to order reprints of this article, please visit our website:

[www.emeraldgrouppublishing.com/licensing/reprints.htm](http://www.emeraldgrouppublishing.com/licensing/reprints.htm)

Or contact us for further details: [permissions@emeraldinsight.com](mailto:permissions@emeraldinsight.com)