



# Employees' trust in leadership and organizational commitment are the results ethical leadership

*Gladys Jean Q. Basilio*: Vice President for Academic Affairs, Divine Word College of Laoag.

## ARTICLE INFO

### Article history:

Received: December 15, 2024

Received in rev. form. January 25, 2025

Accepted: February 20, 2025

Published: March 10, 2025

**Keywords:** *employees' trust, ethical leadership, organizational commitment, affective commitment*

JEL Classification: M15

## ABSTRACT

The study aimed to examine the influence of ethical leadership on employees' trust in leadership and organizational commitment. To provide a deeper understanding of these concepts, a review of relevant literature was conducted. A descriptive assessment and correlational research design were employed. The study population consisted of employees from the Divine Word College of Laoag. Data were collected using validated questionnaires, and analysis was conducted using weighted mean and Pearson's  $r$  correlation. The findings revealed that ethical leadership, employees' trust, and organizational commitment were all high. Overall, there was a significant correlation between ethical leadership and both employees' trust and organizational commitment. However, no correlation was found between ethical leadership and affective commitment.

© 2025 by the authors. Licensee DWIJMH. This open-access article is distributed under the terms and conditions of the [Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License](https://creativecommons.org/licenses/by-nc-sa/4.0/) (<https://creativecommons.org/licenses/by-nc-sa/4.0/>)

## Introduction

Helping an organization achieve its short-term and long-term objectives requires careful attention to all aspects of leadership and management (Karadag, 2015; La Monica, 1994). Leadership and management do not exist in a vacuum; rather, they function within the relationships between leaders and their employees. Thus, leading or managing an organization involves guiding human behavior and maximizing individual potential (Machado & Dawim, 2018; Shearrow, 2023). The primary challenge for leadership and management is how to bring out the best in people to ensure the organization's success (Qin et al., 2023; Amel et al., 2023). One crucial strategy for achieving this is motivation. Motivating employees to perform at their best is not solely dependent on financial compensation but also involves other organizational factors that enhance employee morale, such as ethical leadership, trust, and commitment.

Ethical leadership has been a key concern for researchers due to its significant impact on organizational performance. Studies have suggested a positive correlation between ethical leadership practices and organizational success (Bashir et al., 2023; AlShehhi et al., 2021; Lu & Lin, 2014; Li et al., 2023). Beyond

performance, ethical leadership also influences employees' confidence in leadership (Tu & Lu, 2016). Effective leadership fosters organizational commitment among employees (Demirtas & Akdogan, 2014).

Leadership remains a central issue in organizational studies. However, despite its recognized role in organizational success, limited attention has been given to its effects on employees' trust and commitment. While studies have examined the relationship between leadership and performance, research on the specific impact of ethical leadership on trust and commitment remains lacking. This study aims to address this gap by examining the critical influence of ethical leadership on employees' trust and commitment. Discussions on ethical leadership and organizational trust must be prioritized, as they play a crucial role in enhancing employee morale and performance. Given the prevalence of corruption in many organizations, ethical leadership should take center stage in public discourse. Similarly, organizational commitment must be a key concern, especially considering high turnover rates. Employee commitment is fundamental to organizational success, and these interrelated elements warrant serious discussion.

This study is structured into several sections. The first section introduces the study and explains its rationale. The second section provides a literature review, discussing key concepts based on existing studies. The third section outlines the research methodology, detailing the research design, population, study locale, instruments, ethical considerations, and statistical data analysis methods. The fourth section presents and analyzes the data based on the study's research questions. Finally, the fifth section discusses the findings and provides conclusions.

## ***Literature review***

### ***A brief review of ethical leadership and its properties***

Numerous studies have examined the impact of ethical leadership on various organizational outcomes. Bhatti et al. (2021) investigated the relationship between ethical leadership and project success, highlighting the mediating roles of trust and knowledge sharing. Their findings suggest that ethical leadership fosters trust and encourages knowledge sharing, which, in turn, contribute to project success. Similarly, Ashfaq et al. (2021) and Chinwe et al. (2017) explored the influence of ethical leadership on employee work engagement and commitment. Their research indicates that ethical leadership enhances work engagement through the mediating effects of self-efficacy and organizational commitment, rather than exerting a direct influence.

These findings align with the studies of Malik et al. (2016) and Nauman & Qamar (2018), which suggest that ethical leadership positively influences employee performance and productivity. Qing et al. (2019) and Yozgat & Mesikiran (2016) further support this argument, identifying a strong positive correlation between ethical leadership, job satisfaction, and organizational commitment. Additionally, Kim & Brymer (2011) and Guo (2022) emphasized the role of ethical leadership in shaping managerial job satisfaction, organizational commitment, behavioral outcomes, and overall firm performance. Their research underscores the positive association between ethical leadership and middle managers' job satisfaction, organizational commitment, and competitive business performance. Rantika & Yustina (2017) also examined the connection between ethical leadership and employee well-being, highlighting psychological empowerment as a key mediating factor.

These findings collectively suggest that the absence of ethical leadership may lead to job dissatisfaction, ultimately resulting in negative organizational outcomes. Several studies have examined the detrimental effects of poor leadership. Schyns & Schilling (2013) found a significant correlation between destructive leadership and counterproductive workplace behavior, demonstrating that as leadership behaviors become more destructive,

employees exhibit increasingly counterproductive actions. The negative effects of such behavior have been widely documented. Research by Shen & Lei (2022), Sypniewska (2020), and Bagyo (2018) highlights its adverse impact on organizations, employees, and stakeholders. Specifically, Bagyo (2018) identified a decline in employee engagement and performance due to counterproductive behavior. Similarly, Kilic & Günsel (2019) argued that ineffective leadership diminishes workplace performance and productivity, further emphasizing its detrimental effects on employees' behavior, psychological well-being, and overall job performance.

### ***The concept of interpersonal trust and collective trust***

To fully grasp the current topic, it is essential to understand the definition of trust. Merriam-Webster (n.d.) defines trust as "assured reliance on the character, ability, strength, or truth of someone or something." Similarly, the Dictionary (n.d.) describes it as "a firm belief in the reliability, truth, ability, or strength of someone or something." Within the context of this study, trust is specifically an assured reliance on another person rather than an object (de Fine Licht & Brulde, 2021). One trusts another person based on their perceived competence and reliability. McLeod (2020) echoes this idea by defining trust as "an attitude we have towards people whom we hope will be trustworthy," distinguishing between trust as an attitude and trustworthiness as a quality possessed by the trusted individual. Trustworthiness is established when the person being trusted demonstrates competence in fulfilling expectations. For a relationship to be grounded, both parties must exhibit trustworthiness (McLeod, 2020). In this sense, trust refers to the reliance on someone who is both competent and willing to fulfill expectations (Goldberg, 2020). Mishra (1996, p. 2645) further defines trust as "one party's willingness to be vulnerable to another party based on the belief that the latter is competent, open, concerned, and reliable." The Cambridge Dictionary (n.d.) expands on this by suggesting that trust is not only based on competence but also on the expectation that the trusted party is honest and will not cause harm. Trust is thus confirmed when an individual is found to be capable, honest, and dependable.

These definitions highlight trust as a fundamental element in interpersonal relationships. According to McAllister (1995), trust comprises two dimensions: cognitive and affective. This distinction is rooted in rationality and emotion (Erdem & Ozen, 2003). Cognitive-based trust is grounded in logical reasoning and the expectation that another party will fulfill their role (Gill et al., 2024). This trust develops through consistent behavior and communication. Over time, as interactions deepen, emotional investment grows, giving rise to affective trust (Erdem & Ozen, 2003). In this progression, cognitive trust serves as a foundation for affective trust.

Interpersonal trust is critical for teamwork in professional settings. Six (2007) asserts that trust among team members enhances collaboration and cooperation. For teams to function effectively, trust must be a core value, fostering coordination and shared responsibility (Matzler & Renzl, 2007). A trusting environment enables individuals to be open to constructive criticism and learn from mistakes (Edmondson & Moingeon, 1999). Both cognitive and affective trust play a role in team dynamics. Jones and George (1998), as cited by Erdem and Ozen (2003), argue that cognitive trust alone is insufficient for strong team cohesion; affective trust is necessary to create a unified and value-driven team, ensuring cooperation and collective motivation.

Beyond interpersonal relationships, trust operates at an organizational level. Collective trust is distinct from interpersonal trust, as it is a shared social property rather than an individual trait (Lewis & Weigert, 1985; Rousseau et al., 1998). Forsyth et al. (2015) define collective trust as "a stable group property rooted in shared perceptions and affects about the trustworthiness of another group or individual that emerges over time out of multiple social exchanges." In the present study, the focus is on the trust that employees—both teaching and non-teaching staff—have in administrators. While some scholars conceptualize trust as a psychological state referring

to individual or interpersonal trust (Jones & George, 1998; Rousseau et al., 1998), they also argue that trust should be examined at multiple levels of analysis (Rousseau et al., 1998). Lewis and Weigert (1985) further contend that trust should be understood as a property of groups or organizations rather than of individuals alone.

Collective trust is a crucial component of a positive organizational climate, as it fosters openness, honesty, and dependability (Bucero, 2012). One strategy for cultivating a culture of trust in the workplace is for leaders to provide credible evidence, including factual data, to support decision-making (Bucero, 2012). Holm and Nystedt (2010) found that trust within and between groups is strongly associated with collective trustworthiness and trust-related behaviors, both of which contribute to organizational effectiveness (Gray, 2016). In educational institutions, trust significantly impacts school performance. Tarter and Hoy (2004) found that teachers' trust strongly influences their perceptions of school effectiveness. Earlier research by Hoy et al. (1992) similarly established a significant correlation between faculty trust and school effectiveness.

### ***The importance of interpersonal and collective trust on the organizational outcomes***

This section highlights the impact of both interpersonal and collective trust on organizational outcomes. While there is no universally accepted definition of trust, Gambetta (1988, p. 219) defines it as the belief that an individual or group will not act in a way that is harmful to oneself or others. Interpersonal trust refers to the belief in another person and the willingness to be vulnerable to them (Ma et al., 2019). Over time, interpersonal trust evolves into collective trust when individuals within an organization share the same perception about another individual or group (Forsyth et al., 2015). Initially a psychological attribute of individuals, trust transitions into an organizational and sociological property when it becomes widely shared among employees (Lewis & Weigert, 1985). Once established, collective trust functions as a social and organizational asset, influencing group dynamics and workplace relationships. As both interpersonal and collective trust significantly impact an organization, scholars emphasize the need for management to foster trust to enhance overall performance (Yuan et al., 2021).

Research has extensively examined the effect of interpersonal trust on group performance and its subsequent influence on organizational outcomes. Dirks (1999) found that trust affects motivation, which then translates into workgroup processes and performance. Although Dirks (1999) did not establish a direct relationship between interpersonal trust and workgroup performance, subsequent studies have confirmed this link. For example, Bakiev (2013) found a significant correlation between interpersonal trust among employees and workgroup performance, recommending that managers cultivate a trusted work environment to enhance motivation. Similarly, Ugwu and Maduagwu (2018) identified interpersonal trust as a critical factor in improving workgroup performance. Moreover, interpersonal trust contributes to job satisfaction, participation in decision-making, openness to feedback, and employee empowerment (Guinot et al., 2014; Ul Hassan et al., 2012). To foster trust, organizations should implement trust-building practices that eliminate distrust (Six, 2007). Additionally, Bulinska-Stangrecka and Bagienska (2019) suggest that interpersonal trust can be strengthened through competency development, team interdependence, and group rewards, ultimately leading to effective cooperation, organizational innovation, and citizenship behavior (Asamani, 2015).

Beyond interpersonal trust, collective trust has been recognized as a crucial factor in both individual and organizational performance. Deutsch-Salamon and Robinson (2011) found that collective trust among employees leads to high-responsibility norms and greater accountability for organizational performance, particularly in customer service. An earlier study by the same authors (2008) revealed that employees who

perceive themselves as trusted by management exhibit improved sales performance and customer service. These findings align with Addison and Teixeira's (2019) assertion that workplace trust enhances performance. Research also indicates that collective trust influences organizational outcomes. Morrissette and Kisamore (2019) found that team trust positively affects team performance, emphasizing the importance of cultivating a trust-based organizational climate (Dirks & Ferrin, 2001). Gray (2016) investigated collective trust in schools and concluded that it significantly impacts institutional effectiveness. Likewise, Shagholi et al. (2010) identified collective trust as a key determinant of decision-making and teamwork in educational settings. Consequently, Buenaventura-Vera and Gudziol-Vidal (2020) recommend improving workplace trust as a strategy to enhance organizational performance.

### ***Employees' trust in leadership/management***

Employees' trust in management, also referred to as collective or organizational trust, represents the shared perception among employees that their leaders are reliable, honest, and fair (Wang et al., 2018). It reflects employees' confidence in management, built through consistent behavior that prioritizes their welfare (Golembiewski & McConkie, 1975, cited in Baird & St-Amand, 1995). Mayer et al. (1995) define trust as the willingness of employees to be vulnerable based on positive expectations of management's actions. Similarly, Laschinger et al. (2001) argue that trust is rooted in employees' faith in leadership and their belief that organizational decisions will benefit them. Trust develops gradually through fairness, transparency, and genuine concern for employees' well-being (Taylor, 1989, in Baird & St-Amand, 1995; Asencio & Sun, 2023). Employers who communicate clearly and make equitable decisions cultivate a high-trust environment (Whitener, 1997).

The impact of collective trust in management has been widely studied in relation to organizational performance. While Deutsch-Salamon and Robinson (2008, 2011) and Dirks and Ferrin (2001) did not establish a direct link between collective trust and performance, their findings highlight its role in fostering accountability and responsibility, which, in turn, enhance sales and customer service. Amoah-Binfoh et al. (2016) similarly found that low trust in management weakens employee performance and overall organizational success. Their study underscores that trust deteriorates when managers fail to empower employees, implement fair evaluations, or involve employees in decision-making. Rahman et al. (2021) further affirm that organizational trust significantly influences both individual and organizational performance.

Research by Seok et al. (2014) identified key factors that contribute to employees' trust in management, including status privileges, competence, benevolence, worker-leader relationships, and integrity. In a subsequent study, Seok et al. (2015) developed an employee trust scale based on three critical elements: competency, integrity, and work relationships. Competency is reflected in a leader's ability to perform tasks effectively and make sound decisions, while integrity is demonstrated through honesty and ethical behavior. A strong worker-leader relationship is built when managers understand their employees and involve them in problem-solving. Hill and Lineback (2019) argue that competency—comprising technical, operational, and strategic knowledge—is central to earning trust. Covey (2009) further emphasizes that trust is shaped not only by capability but also by character, as demonstrated through integrity and good intentions.

### ***Organizational commitment***

Commitment and organizational commitment are concepts that vary in definition depending on the researcher and context (Mueller & Straatmann, 2014). Even dictionary definitions differ. The Cambridge Dictionary (n.d.) defines commitment as "willingness to give your time and energy to a job, activity, or something that you

believe in,” while Dictionary.com, based on Oxford Languages, describes it as “the state or quality of being dedicated to a cause, activity, or an engagement or obligation that restricts freedom of action.” Both definitions emphasize dedication to a cause but lack the psychological dimensions that are essential to commitment. Similarly, the Britannica Dictionary defines commitment as “a promise to do or give something or a promise to be loyal to someone or something,” reinforcing the idea of dedication but still missing the psychological aspect.

In an organizational context, Leonard (2009) defines commitment as a state of mind that aligns individuals and organizations with consistent behavior. Commitment is not just about investing time and energy in an activity—it involves a psychological contract with the institution. Employees commit their time and effort due to their emotional attachment to the organization, binding them to its mission and goals. Ajayi and Muraina (2016) further emphasize this emotional connection, defining commitment as the extent to which individuals identify with the organization in which they work. Similarly, Ceylan (2020) describes it as dedicating time and interest to an entity with which one is affiliated. These perspectives highlight three key characteristics of commitment: emotional attachment, self-identification with the organization, and willingness to invest time and effort (Afshari et al., 2019).

The emotional dimension of commitment is central to Meyer and Allen’s (1991) model, which defines organizational commitment as a psychological state that (a) characterizes an employee’s relationship with the organization and (b) influences the decision to remain or leave. This aligns with Porter, Steers, Mowday, and Boulian’s (1974) definition of organizational commitment as “the relative strength of an individual’s identification with and involvement in a particular organization” (p. 604). These definitions suggest a scholarly consensus on the psychological nature of organizational commitment. Similarly, Idris and Manganaro (2017) define organizational commitment as the degree to which employees psychologically identify with their work organization, echoing the views of Porter and Lawler (1965), as cited by Herrera and Heras-Rosas (2021). They describe commitment as employees’ willingness to exert effort for the institution and uphold its objectives and values. Greenberg and Baron (2008) also frame commitment as the extent to which employees identify with their organization and demonstrate dedication to it.

In essence, organizational commitment represents the psychological contract between employees and their institution. Rousseau (1995) describes a psychological contract as a set of individual beliefs about the reciprocal obligations and benefits within an exchange relationship. MacNeil (1985) categorizes this exchange into two dimensions: relational and transactional contracts. A relational contract involves an emotional exchange and loyalty based on expectations, such as promotions or permanent positions. Employees develop psychological contracts because they believe their loyalty will be rewarded. In contrast, a transactional contract is based on economic exchange—employees remain with an organization as long as salaries and benefits meet their expectations (Rousseau, 1995).

Research has extensively examined the impact of organizational commitment on individual behavior. Studies by Fischer and Mansell (2009), Mathieu and Zajac (1990), Meyer et al. (2002), and Solinger et al. (2008) consistently found that organizational commitment strongly correlates with occupational commitment, job satisfaction, and job involvement. Employees with high organizational commitment are less likely to leave, have lower absenteeism rates, and are more likely to demonstrate organizational citizenship behavior and enhanced well-being (Angle & Perry, 1981; Mathieu & Zajac, 1990; Meyer et al., 2002; Solinger et al., 2008).

### ***Dimensions of organizational commitment: Affective, continuance and***

### ***normative commitment***

Based on the definition of organizational commitment, scholars agree that it is not a single or unidimensional construct but rather a multidimensional one (Mueller et al., 2024). They assert that organizational commitment comprises multiple dimensions, including attitudinal, behavioral, and motivational aspects. Morrow (1993) identified two primary dimensions: attitude and behavior. Miller (2003) defined attitude as an evaluative judgment about a phenomenon, whether positive or negative. It reflects feelings of attachment, identification, and loyalty to the organization as the object of commitment (Morrow, 1993). This perspective is supported by Meyer, Allen, and Gellatly (1990), who emphasized that attitude is a cognitive and affective judgment about an organization. Attitude is often reflected in behavior, as Ajzen (1993) suggested, stating that attitude ultimately translates into action. What is in a person's mind is expressed through their actions. Best (1994) argued that organizational commitment is evident in individuals who demonstrate dedication to their tasks. Reicher (1985) noted that organizational commitment is visible when members actively engage with their organizational group. There is a psychological bond among members, expressed through their active participation in group programs and activities. O'Reilly (1989) further described organizational commitment as a psychological bond reflected in job involvement, loyalty, and belief in the organization's values. This bond is evident when employees accept organizational goals and willingly exert effort on behalf of the organization (Miller & Lee, 2001). Building on the concept of organizational commitment, scholars have proposed multiple dimensions, though these often overlap. For instance, Meyer and Allen (1997) identified three dimensions: affective, continuance, and normative commitment. Affective commitment refers to an employee's emotional attachment to an organization. This attachment develops when an employee finds alignment between their values, priorities, and the organization's mission (Lowry, 1973). Such commitment plays a crucial role in sustaining employee engagement. According to Johnson and Chang (2006), employees with high affective commitment tend to exert greater effort for the organization's benefit. This finding is supported by studies conducted by Becker et al. (1996) and Meyer et al. (2004), which suggest that affective commitment enhances intrinsic motivation and fosters a strong personal desire to remain with the organization.

The second dimension, continuance commitment, arises when employees evaluate the costs and benefits of leaving the organization. Employees may choose to stay because they perceive greater advantages in remaining than in leaving. This type of commitment is driven by a cost-benefit analysis, including concerns about losing personal investments and the availability of alternative employment opportunities (Allen & Meyer, 1990; Meyer & Allen, 1984). Becker (1960) noted that employees maintain their organizational relationships primarily for economic and practical reasons.

The third dimension, normative commitment, refers to an employee's sense of moral and legal obligation to stay with an organization (Allen & Meyer, 1990). Loyalty, in this context, stems from contractual obligations or ethical considerations. Muhammad, Afridi, Ali, Shah, and Alasan (2021) highlighted that when employees believe it is morally and legally right to remain in an organization, they are more likely to do so.

O'Reilly and Chatman (1986) proposed three dimensions of commitment: compliance, identification, and internalization. Identification and internalization align with Meyer and Allen's (1997) concept of affective commitment, which reflects emotional attachment, a sense of belonging, and alignment with organizational goals. Compliance, on the other hand, relates to the exchange between employee contributions and extrinsic rewards. This concept corresponds to continuance commitment, as outlined by Meyer and Allen (1997), where employees stay due to economic considerations.

Similarly, Balfour and Wechsler (1996) identified three dimensions of organizational commitment: identification, affiliation, and exchange. Identification reflects an individual's pride in their organization and corresponds to the affective commitment dimension. Affiliation describes a sense of belonging and attachment to coworkers and the organization, reinforcing the affective commitment concept (Meyer & Allen, 1997). Exchange commitment occurs when employees feel that their efforts are acknowledged through tangible benefits, aligning with continuance commitment (Meyer & Allen, 1997).

The dimensions proposed by O'Reilly and Chatman (1986) and Balfour and Wechsler (1996) align closely with Meyer and Allen's (1997) framework. Therefore, this study adopts Meyer and Allen's (1997) three dimensions—*affective, continuance, and normative commitment*—as the foundation for investigating organizational commitment.

## ***Conceptual framework***

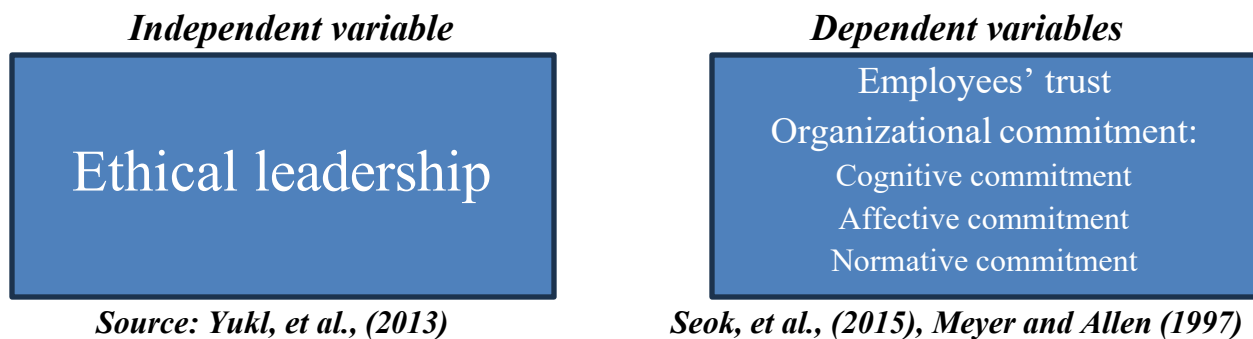


Figure 1: The frameworks explain the effect of ethical leadership on the employees' trust and organizational commitment. It indicates that solving employees' trust and commitment can be done through improving ethical leadership.

## ***Statement of the problems***

The study examined the impact of ethical leadership on employees' trust and organizational commitment. It specifically answered the following questions:

1. **What is the ethical leadership of the administrators of the institution?**
2. **What is the level of employees' trust in terms of:**
  - a. **Trust in management competency**
  - b. **Trust in management competency**
  - c. **Trust in work relationship**
3. **What is the organizational commitment of employees in terms of:**
  - a. **Cognitive commitment**
  - b. **Affective commitment**
  - c. **Normative commitment**
4. **Is there a relationship between ethical leadership and employees' trust in leadership?**
5. **Is there a relationship between ethical leadership and organizational commitment?**

## ***Hypothesis***

Leadership plays an important role in organizational success. Exercising good leadership or ethical leadership always produce better outcome (Amirudin & Nugroho, 2022, Abun, et al., 2023). The current research hypothesizes that ethical leadership affect positively the employees' trust and commitment.

## ***Scope and delimitation of the study***

The study limits its investigation only on the employees of the Divine Word College of Laoag and the administrators measuring the effect of ethical leadership on the trust and commitment.

## ***Research methodology***

In adherence to scientific research standards, the study follows established procedures and techniques to ensure a systematic and rigorous investigation. The research methodology plays a crucial role in determining the study's quality and reliability (Wilkinson & Birmingham, 2003). Accordingly, this study employed appropriate research methodologies, including research design, data collection instruments, population and study locale, data gathering procedures, and statistical data analysis.

## ***Research design***

Since this study employs a quantitative research approach, it utilizes a descriptive assessment and correlational research design to determine the level of administrators' ethical leadership and its impact on employees' trust and organizational commitment. Descriptive research is used to analyze the data collected through questionnaires, which are then processed using statistical methods. It also serves to describe profiles, frequency distributions, and the characteristics of people, situations, phenomena, or relationships between variables. In essence, it provides an overview of "what is" based on the data (Ariola, 2006, cited by Abun, 2019).

Aligned with this approach, the study employs both descriptive assessment and correlational methods to examine employees' level of trust in management and its effect on work engagement.

## ***The locale of the study***

The locale of the study was Divine Word Colleges of Laoag, Laoag City, Ilocos Norte

## ***Population***

The study's population consisted of all employees and faculty members of Divine Word College of Laoag, Ilocos Norte. A total enumeration sampling method was employed, resulting in 276 employees

## ***Data gathering instruments***

The study adopted validated questionnaires by Seok, et al. (2015) on employees' trust and Meyer and Allen (1997) on organizational commitment, and Yukl, et al., 2013) on ethical leadership.

## ***Data gathering procedures***

During the data collection process, the researcher formally requested permission from the College President to distribute the questionnaires within the institution. The researcher personally met with the President and employees, seeking their participation in the study.

The retrieval of questionnaires was facilitated through coordination between the researcher, employee

representatives, and faculty members, ensuring an organized and efficient data collection process.

### **Statistical treatment of data**

In alignment with the descriptive assessment and correlational research design, both descriptive and inferential statistics were employed. The weighted mean was used to assess the levels of employees’ trust in management, commitment, and perceptions of ethical leadership. Meanwhile, Pearson’s r correlation was applied to examine the relationship between ethical leadership, employees’ trust in management, and organizational commitment.

The following ranges of values with their descriptive interpretation will be used:

<b>Statistical Range</b>	<b>Descriptive Interpretation (DI)</b>
4.21-5.00	strongly agree/Very high (A/H)
3.41-4.20	Agree/High (H).
2.61-3.40	Somewhat agree/Moderate (SWA/M)
1.81-2.60	Disagree/Low (D/L)
1.00-1.80	Strongly disagree/Very Low (SD/VL)

### **Data presentation and analysis**

The following are the statistical data gathered through research questionnaires. The presentation and analysis follow the statement of the problems.

#### **Problem 1: What is the ethical leadership of the administrators of the institution?**

**Table 1: Ethical leadership**

<b>Indicator</b>	<b>Mean</b>	<b>DI</b>
Shows a strong concern for ethical and moral values	3.70	A/H
Communicates clear ethical standards for members.	3.66	A/H
Sets an example of ethical behaviour in his/her decisions and actions	3.57	A/H
Is honest and can be trusted to tell the truth	3.67	A/H
Insists on doing what is fair and ethical even when it is not easy	3.61	A/H
Talks about the importance of honesty and integrity	3.64	A/H
Can be trusted to carry out promises and commitments.	3.68	A/H
Holds members accountable for using ethical practices in their work	3.65	A/H
<b>Overall Mean</b>	<b>3.65</b>	<b>A/H</b>

Yukl, et al. (2013)

#### **Legend:**

<b>Statistical Range</b>	<b>Descriptive Interpretation</b>
4.21-5.00	Strongly Agree/Very high (SA/VH)
3.41-4.20	Agree/High (A/H)
2.61-3.40	Somewhat agree/Moderate (SWA/M)
1.81-2.60	Disagree/Low (D/L)
1.00-1.80	Strongly disagree/Very Low (SD/VL)

The data in the table indicates that the overall mean rating for administrators' ethical leadership is 3.65, which corresponds to a “high” or “agree” assessment. This rating suggests that ethical leadership is neither extremely high nor low, moderate, or weak—it is consistently perceived as high. Even when examined individually, all

indicators fall within the same high-level mean rating.

Employees agree that their administrators or managers demonstrate a commitment to moral values by communicating ethical standards and serving as role models of honesty and integrity. Gabriunas (2017) emphasized that an ethical leader is guided by moral values in their actions, while Treviño et al. (2006) noted that leaders' ethical behavior is evaluated based on widely accepted moral norms.

**Problem 2: What is the level of employees' trust in terms of:**

- a. *Trust in management competency*
- b. *Trust in integrity*
- c. *Trust in work relationship*

**Table 2: Employees' trust**

Indicator	Mean	DI
<b>Trust in management competency</b>		
My head of department shows confidence in task performance and administration	3.89	A/H
The ability of department head is undeniable	3.86	A/H
My department head brings development to the department	3.86	A/H
I have confidence in the ability of my department head	3.91	A/H
My department head is my source of reference	3.81	A/H
My department head can make quick decisions	3.87	A/H
My department head is good in administration	3.88	A/H
My department head has a convincing appearance.	3.89	A/H
My department head has great experience in performing his//her task.	3.88	A/H
My department head is capable of delegating tasks to his//her employees	3.90	A/H
<b>Composite Mean</b>	<b>3.88</b>	<b>A/H</b>
<b>Trust in integrity</b>		
My department head is very sincere in performing tasks and in making decisions for the department.	3.91	A/H
My department head is a disciplined person in task performance and administration	3.91	A/H
I like the ethical values department head	3.96	A/H
My department head has high integrity.	3.94	A/H
My department head always shows a good example to his/her employees	3.86	A/H
My department head is a person with high principles	3.94	A/H
The management department head is honest and truthful.	3.89	A/H
My department head respects his/her employees.	3.88	A/H
<b>Composite Mean</b>	<b>3.91</b>	<b>A/H</b>
<b>Trust in work relationship</b>		
My department head has good knowledge of my background	3.00	SWA/M
My department head spends time with his/her/her employees	3.66	A/H
My department head understands me well	3.61	A/H
My department head always discusses work-related issues with his/her employees.	3.31	SWA/M
<b>Composite Mean</b>	<b>3.39</b>	<b>SWA/M</b>
<b>Overall Mean</b>	<b>3.72</b>	<b>A/H</b>

Source: Seok, et al. 2015).

The data in the table indicates that employees’ trust in management received an overall mean rating of 3.72, categorized as “agree/high.” This suggests that, overall, employees' trust in management is neither extremely high nor low, moderate, or weak—it is consistently perceived as high. However, when examined by dimension, trust in management regarding competency and integrity is rated high, whereas trust in work relationships is rated moderate.

Regarding competency, employees agree that their administrators or heads demonstrate confidence and capability in performing their tasks and serve as a reliable source of guidance when employees encounter work-related challenges. Singh and Lin (2023) emphasized that competency refers to an individual's ability and skills to perform tasks effectively, which in turn fosters trust and openness in workplace relationships (Ibrahim & Ribbers, 2009).

In terms of integrity, employees agree that their supervisors exhibit sincerity, discipline, and strong moral values, upholding high ethical principles in their decision-making. This earns them trust and respect from employees (Samankova et al., 2018; Musschenga, 2002).

However, trust in work relationships is comparatively lower. While employees somewhat agree that their leaders are knowledgeable about their employees’ backgrounds, spend time with them, understand them well, and discuss work-related concerns, this aspect requires improvement. Strengthening work relationships is crucial, as it significantly impacts employees’ job satisfaction, performance, and overall well-being (Costa, 2018).

**Problem 3: What is the organizational commitment of employees in terms of:**

- a. Cognitive commitment**
- b. Affective commitment**
- c. Normative commitment**

**Table 3: Organizational commitment**

<b>Indicator</b>	<b>Mean</b>	<b>DI</b>
<b>Affective commitment</b>		
I would be very happy to spend the rest of my career in this organization	3.89	A/H
I feel as if this organization's problems are my own	3.73	A/H
I feel like 'part of my family at this organization	3.65	A/H
I feel 'emotionally attached to this organization	3.73	A/H
This organization has a great deal of personal meaning for me.	3.86	A/H
I feel a strong sense of belonging to this organization	3.66	A/H
<b>Composite Mean</b>	<b>3.75</b>	<b>A/H</b>
<b>Continuance commitment</b>		
It would be very hard for me to leave my job at this organization right now even if I wanted to	3.63	A/H
Too much of my life would be disrupted if I leave my organization	3.38	SWA/M
Right now, staying with my job at this organization is a matter of necessity as much as desire	3.58	A/H
I believe I have too few options to consider leaving this organization	3.51	A/H
One of the few negative consequences of leaving my job at this organization would be the scarcity of available alternatives elsewhere.	3.38	SWA/M

One of the major reasons I continue to work for this organization is that leaving would require considerable personal sacrifice	3.73	A/H
Composite Mean	3.54	A/H
Normative commitment		
I should remain with my organization.	3.58	A/H
Even if it were to my advantage, I do not feel it would be right to leave.	3.52	A/H
I would feel guilty if I left this organization now	3.61	A/H
This organization deserves my loyalty	3.68	A/H
I would not leave my organization right now because of my sense of obligation to it	3.70	A/H
I owe a great deal to this organization.	3.75	A/H
Composite Mean	<b>3.64</b>	<b>A/H</b>
Overall Mean	<b>3.64</b>	<b>A/H</b>

**Allen (1997)**

The employees’ overall organizational commitment received a mean rating of 3.64, categorized as “agree/high.” This suggests that while employees’ commitment to the organization is not extremely high, nor is it low, moderate, or weak—it remains consistently high. Even when analyzed by dimension, all aspects of organizational commitment—affection (3.75), continuance (3.54), and normative (3.64)—fall within the same high level of composite mean ratings.

Regarding affective commitment, employees agree that they are happy to spend their careers with the organization, feel a strong sense of belonging, and are emotionally attached to the institution, as it holds great personal significance for them. Afandi (2019) explained that affective commitment reflects employees’ dedication and loyalty to their organization. Those with high affective commitment identify closely with the institution, feel a deep sense of belonging, and are willing to work toward its goals.

In terms of continuance commitment, employees also agree that they choose to stay primarily due to potential disruptions associated with leaving. They perceive staying as a necessity, as limited alternative opportunities exist, and leaving would require personal sacrifices. Mueller and Straatmann (2014) described continuance commitment as a decision to remain with an organization based on economic factors rather than emotional attachment. This type of commitment is driven by the perception that the costs of leaving outweigh the potential benefits of seeking a new position (Mueller et al., 2024).

For normative commitment, employees agree that even if leaving would be advantageous, they feel a moral obligation to stay, as leaving at this point would cause them guilt. They believe loyalty to the organization is an ethical responsibility. Mueller and Straatmann (2014) stated that normative commitment reflects employees’ sense of duty to remain with their organization, even when they are not fully satisfied with their situation.

**Problem 4: Is there a relationship between ethical leadership and employees’ trust in leadership? Table 4: Correlation between ethical leadership and employees’ trust**

		Level of employee’s trust in leadership			
		Trust in management competency	Trust in integrity	Trust in work relationship	Overall
Ethical leadership	Pearson correlation	.494**	.443**	.267**	.481**
	Sig. (2-tailed)	.000	.000	.001	.000

The table shows the relationship between ethical leadership and employees' trust in leadership. The findings indicate a significant positive relationship between ethical leadership and employees' trust in leadership, with varying degrees of strength across different dimensions of trust. The strongest correlation was found between ethical leadership and trust in management competency ( $r = .494, p = .000$ ), suggesting that employees who perceive their leaders as ethical also view them as competent decision-makers. Employees are more likely to trust leaders who make sound, ethical decisions, reinforcing their belief that management is capable of guiding the organization successfully.

Similarly, ethical leadership was moderately correlated with trust in integrity ( $r = .443, p = .000$ ), indicating that employees tend to have greater confidence in leaders who uphold ethical principles and act with honesty and fairness. Employees are more likely to trust leaders who exhibit ethical behavior consistently, as this fosters a sense of stability and predictability in workplace interactions.

On the other hand, the correlation between ethical leadership and trust in work relationships was weaker ( $r = .267, p = .001$ ), although still significant. This suggests that while ethical leadership positively influences employees' perception of interpersonal relationships with management, other factors—such as direct communication styles, team dynamics, and workplace culture—may play a more substantial role in shaping these relationships.

Overall, ethical leadership demonstrated a strong relationship with employees' trust in leadership ( $r = .481, p = .000$ ), reinforcing the idea that leaders who exhibit ethical behavior are more likely to be trusted by their employees.

***Problem 5: Is there a relationship between ethical leadership and organizational commitment? Table 5: Correlation between ethical leadership and organizational commitment***

		Organizational commitment			
		Cognitive commitment	Affective commitment	Normative commitment	Overall
Ethical leadership	Pearson correlation	.215**	.127	.191*	.218**
	Sig. (2-tailed)	.006	.107	.015	.006

The table presents the relationship between ethical leadership and organizational commitment.

The findings reveal a weak but statistically significant positive correlation between ethical leadership and organizational commitment, particularly in cognitive commitment ( $r = .215, p = .006$ ) and normative commitment ( $r = .191, p = .015$ ). Among these, the strongest relationship was observed between ethical leadership and cognitive commitment, which pertains to employees' rational decision to remain with the organization based on perceived benefits, stability, and fairness. Employees who view their leaders as ethical are more likely to trust that their organization operates with integrity and fairness, reinforcing their commitment based on logical reasoning rather than emotional attachment.

Likewise, ethical leadership demonstrated a positive correlation with normative commitment ( $r = .191, p = .015$ ), indicating that employees may feel a moral obligation to stay in an organization that upholds ethical values and ensures fair treatment. This suggests that ethical leadership fosters a sense of duty and responsibility among employees, strengthening their commitment to the organization.

However, the correlation between ethical leadership and affective commitment ( $r = .127, p = .107$ ) was not

statistically significant. This implies that ethical leadership alone may not be sufficient to cultivate employees' emotional attachment or deep sense of belonging to the organization. Instead, factors such as workplace relationships, job satisfaction, recognition, and overall engagement may have a more substantial influence on employees' affective commitment.

Overall, the correlation between ethical leadership and organizational commitment ( $r = .218, p = .006$ ) suggests that while ethical leadership plays a role in shaping employees' commitment, other workplace factors may have a stronger impact on long-term employee retention. Organizations aiming to enhance commitment should complement ethical leadership with employee engagement initiatives, career development opportunities, and a supportive work culture to foster both rational and emotional commitment among employees.

## ***Results and discussion***

The findings of the study indicate that ethical leadership among administrators, employees' trust in management, and organizational commitment are all at high levels. Pearson's  $r$  correlation analysis further reveals a significant relationship between ethical leadership and both employees' trust in management and organizational commitment. These results underscore the importance of sustaining ethical leadership through example. Malik et al. (2022) argued that ethical leadership fosters trust and encourages employees' ethical behavior, which can minimize counterproductive work behaviors while gradually strengthening an ethical organizational culture. Moreover, ethical leadership positively influences employee commitment and engagement, which, in turn, supports the achievement of organizational objectives. When leaders model moral behavior, employees experience greater fulfillment and loyalty to the organization. In essence, ethical leaders cultivate a trustworthy work environment where employees feel valued, respected, and empowered (Limpo & Junaidi, 2023; Guo, 2022).

On the other hand, organizational failures are often linked to unethical leadership (Randal et al., 2020; Jung & Sharon, 2019). As El-Adaway and Jennings (2022) noted, when leaders act in ways that violate moral standards, their unethical behavior influences employees, either leading them to adopt similar immoral behaviors or diminishing their motivation to work (Mitchell et al., 2022; Brown & Mitchell, 2010), ultimately harming organizational success. Beyond this, Javid et al. (2020) suggested that unethical leadership fosters a toxic organizational culture that hinders progress and drives the organization toward failure.

## ***Conclusion***

The study aimed to assess the impact of ethical leadership on employees' trust in management and organizational commitment. Findings revealed that ethical leadership, employees' trust, and organizational commitment were all at high levels. Pearson's  $r$  correlation analysis indicated a significant relationship between ethical leadership and both employees' trust and organizational commitment. This suggests that as ethical leadership strengthens, employees' trust in management and organizational commitment also increase. Therefore, enhancing ethical leadership among administrators can be an effective approach to addressing challenges related to employees' trust and commitment.

However, the study acknowledges its limitations due to the relatively small population size. Future research should consider a larger sample and include multiple institutions to provide more comprehensive insights.

***Author's contribution:*** the paper is written by the author.

**Conflict of interest:** there is no conflict of interest.

**Funding:** the study was funded by the author.

## References

- Abun, D., Magallanes, Th., Encarnacion, M.J., Alkalde, F., & Somera, K.A. (2019). Investigation of cognitive and affective attitude of students toward environment and their environmental behavioral intention to join environmental movement and energy conservation. *The International Journal of Business Management and Technology*, 3 (6). <https://doi.org/10.13140/RG.2.2.16407.50085>
- Abun, D., Fredolin, J.P., Acidera, E.B. & Apollo, E.P. (2023). The Effect of ethical leadership on the work performance of employees. *Divine Word International Journal of Management and Humanities*, 2(3), 412-433. <https://doi.org/10.62025/dwijmh.v2i3.32>
- Addison, J.T. & Teixeira, P. (2019). Trust and workplace performance, IZA discussion papers, No. 12216, *Institute of Labor Economics (IZA)*, Retrieved from <https://www.econstor.eu/bitstream/10419/196714/1/dp12216.pdf>
- Afandi, A.E. (2019). *Impact of affective commitment with employee performance moderated by organizational citizenship behavior*. Atlantis Press
- Afshari, L., Young, S., Gibson, P.S. & Karimi, L. (2019). Organizational commitment: Exploring the role of identify. *Personnel review*, 49(3), 774-790. <https://doi.org/10.1108/PR-04-2019-0148>
- Ahsan, M.J., & Khawaja, S. (2024). Sustainable leadership impact on environmental performance: exploring employee well-being, innovation, and organizational resilience. *Discover Sustainability*, 5 (317). <https://doi.org/10.1007/s43621-024-00422-z>
- Ajzen, I. (1993). *New Directions in attitude measurement*. Walter de Gruyter
- Ajayi, K.O. & Muraina, K.O. (2016). *Collective Bargaining as a tool for industrial conflict in organization and conflict resolution*. IGI Global: Publisher Timely Knowledge. <https://doi.org/10.4018/978-1-4666-9850-5.ch008>.
- Allen, S. (2019). Leadership and sustainability. In: Leal Filho, W. (eds) *Encyclopedia of sustainability in higher education*. Springer. [https://doi.org/10.1007/978-3-319-63951-2\\_176-1](https://doi.org/10.1007/978-3-319-63951-2_176-1)
- Allen, N. J., & Meyer, J. P. (1990). The measurement and antecedents of affective, continuance, and normative commitment to the organization. *Journal of Occupational Psychology*, 63, 1–18. <https://doi.org/10.1111/j.2044-8325.1990.tb00506.x>
- AlShehhi, H., Alshurideh, M., Kurdi, B.A., & Salloum, S.A. (2021). The impact of ethical leadership on employee's performance: A systematic review. In: Hassanién, A.E., Slowik, A., Snášel, V., El-Deeb, H., Tolba, F.M. (eds) *Proceedings of the international conference on advanced intelligent systems and informatics 2020*. AISI 2020. Springer. [https://doi.org/10.1007/978-3-030-58669-0\\_38](https://doi.org/10.1007/978-3-030-58669-0_38)
- Amel, E.L., Manning, C.M., Daus, C.S., & Quinn, M. (2023). Leadership. In: *Fostering sustainability in higher education*. Springer. [https://doi.org/10.1007/978-3-031-50555-3\\_8](https://doi.org/10.1007/978-3-031-50555-3_8)
- Amirudin, R.U. & Nugroho, S.P. (2022). *Effect of ethical leadership on employee performance and innovation with internal motivation as intervening variable*. Atlantis Press

- Angle, H. L., & Perry, J. L. (1981). An empirical assessment of organizational commitment and organizational effectiveness. *Administrative Science Quarterly*, 26(1), 1-14. <https://doi.org/10.2307/2392596>
- Ariola, M.M. (2006). *Principles and methods of research*. National Bookstore
- Aronson, E. (2001). Integrating leadership styles and ethical perspectives. *Canadian Journal of Administrative Sciences*, 18, 244–256. <https://doi.org/10.1111/j.1936-4490.2001.tb00260.x>
- Asamani, L. (2015). Interpersonal trust at work and employees' organizational citizenship behavior. *International Journal of Business and Management Review*, 3(11), 17-29.
- Asencio, H.D., & Sun, R. (2022). Leadership and public employee trust. In: Farazmand, A. (eds) *Global encyclopedia of public administration, public policy, and governance*. Springer. [https://doi.org/10.1007/978-3-030-66252-3\\_3958](https://doi.org/10.1007/978-3-030-66252-3_3958)
- Ashfaq, F., Abid, G., & Ilyas, S. (2021). Impact of ethical leadership on employee engagement: Role of self-efficacy and organizational commitment. *European Journal of Investigation in Health, Psychology and Education*, 11(3), 962-974. <https://doi.org/10.3390/ejihpe11030071>
- Bagyo, Y. (2018). The effect of counterproductive work behavior (CWB) and organizational citizenship behavior (OCB) on employee performance with employee engagement as an intervening variable. *IOSR Journal of Business and Management*, 20(2), 83-89.
- Baird, A. & St-Amand, R. (1995). *Trust within the organization*. Public Service Commission of Canada, 1. Retrieved July 1, 2022, from [http://www.pscfc.gc.ca/publications/monogra/mono1\\_e.htm](http://www.pscfc.gc.ca/publications/monogra/mono1_e.htm)
- Bakiev, E. (2013). The influence of interpersonal trust and organizational commitment on perceived organizational performance. *International Journal of Economics and Business Research*, 3(3),166-180
- Balfour, D. L., & Wechsler, B. (1996). Organizational Commitment: Antecedents and Outcomes in Public Organizations. *Public Productivity & Management Review*, 19(3), 256–277. <https://doi.org/10.2307/3380574>
- Barbuto, J. E., & Wheeler, D. W. (2006). Scale development and construct clarification of servant leadership. *Group & Organization Management*, 31, 300-326. <https://doi.org/10.1177/1059601106287091>
- Bashir, H., Memon, M.A., Sarwar, N., Obaid, A., Mirza, M.Z. (2023). The impact of ethical leadership on employee intrapreneurship, work–life balance, and psychological empowerment: A PLS-SEM analysis. In: Radomir, L., Ciornea, R., Wang, H., Liu, Y., Ringle, C.M., Sarstedt, M. (eds) *State of the art in partial least squares structural equation modeling (PLS-SEM)*. Springer. [https://doi.org/10.1007/978-3-031-34589-0\\_29](https://doi.org/10.1007/978-3-031-34589-0_29)
- Becker, H.S. (1960). Notes on the Concept of Commitment. *American Journal of Sociology*, 66, 32-42. <http://dx.doi.org/10.1086/222820>
- Becker, T. E., Billings, R. S., Eveleth, D. M., & Gilbert, N. L. (1996). Foci and bases of employee commitment: implications for job performance. *Academy of Management Journal*, 39, 464–482. <https://doi.org/10.2307/256788>
- Best, P.W. (1994). *Locus of control, personal commitment and commitment to the organization*. Unpublished MCom thesis. University of South Africa, Pretoria
- Bhatti, S.H., Kiyani, S.K., Dust, S.B. & Zakariya, R. (2021). The impact of ethical leadership on project success: the mediating role of trust and knowledge sharing. *International Journal of Managing Projects in Business*, 14 (4), 982-

998. <https://doi.org/10.1108/IJMPB-05-2020-0159>

- Brown, M. E., Treviño, L. K., & Harrison, D. A. (2005). Ethical leadership: A social learning perspective for construct development and testing. *Organizational Behavior and Human Decision Processes*, 97, 117–134. <https://doi.org/10.1016/j.obhdp.2005.03.002>
- Brown, M., & Mitchell, M. (2010). Ethical and unethical leadership: Exploring new avenues for future research. *Business Ethics Quarterly*, 20(4), 583–616. <https://doi.org/10.5840/beq201020439>
- Bucero, A. (2012). Collective Trust. *PM Network*, 26(8), 29.
- Buenaventura-Vera, G., & Gudziol-Vidal, J. A. (2020). Trust as a mechanism to improve organizational performance. *Cuadernos de Administración*, 36(66), 53-63. <https://doi.org/10.25100/cdea.v36i66.7897>.
- Bulinska-Stangrecka, H. & Bagienska, A. (2019). HR practices for supporting interpersonal trust and its consequences for team collaboration and innovation. *Sustainability*, 11, 4423. <https://doi.org/10.3390/su11164423>
- Cambridge Dictionary. (n.d). Trust. In *Cambridge Dictionary.com*. Retrieved from <https://dictionary.cambridge.org/us/dictionary/english/trust>
- Cambridge Dictionary (n.d). Age. In *Cambridge Dictionary.com*. <https://dictionary.cambridge.org/>
- Ceylan, C. (2020). *Management by values in educational organizations: A case study of a technical University*. IGI Global: Publisher Timely Knowledge. <https://doi.org/10.4018/978-1-7998-2562-3.ch005>
- Chinwe, A.N., Chukwuma, N.K., & Richard, E.O. (2017). The impact of ethical leadership on employees' commitment in Nigeria. *International Journal of Development and Management Review (INJODEMAR)*, 12(1).
- Costa, H. (2018). Workplace relationships. In: Shackelford, T., Weekes-Shackelford, V. (eds) *Encyclopedia of evolutionary psychological science*. Springer. [https://doi.org/10.1007/978-3-319-16999-6\\_2815-1](https://doi.org/10.1007/978-3-319-16999-6_2815-1)
- Covey, S.M.R. (2009). How the best leader builds trust. *SHRM: Better Workplaces, Better World*. Retrieved from <https://www.shrm.org>
- Craig, S. B., & Gustafson, S. B. (1998). Perceived leader integrity scale: An instrument for assessing employee perceptions of leader integrity. *The Leadership Quarterly*, 9(2), 127–145. [https://doi.org/10.1016/S1048-9843\(98\)90001-7](https://doi.org/10.1016/S1048-9843(98)90001-7)
- de Fine Licht, K., & Brülde, B. (2021). On defining “reliance” and “trust”: Purposes, conditions of adequacy, and new definitions. *Philosophia* 49, 1981–2001. <https://doi.org/10.1007/s11406-021-00339-1>
- De Hoogh, A. H. B., & Den Hartog, D. N. (2008). Ethical and despotic leadership, relationships with leader's social responsibility, top management team effectiveness and subordinates' optimism: A multi-method study. *Leadership Quarterly*, 19, 297–311
- De Hoogh, A. H. B., & Den Hartog, D. N. (2009). Ethical leadership: The positive and responsible use of power. In D. Tjsovold, & B. Van Knippenberg (Eds.), *Power and interdependence in organizations*. Cambridge University Press. <https://doi.org/10.1017/CBO9780511626562>
- De Hoogh, A. H. B., Den Hartog, D. N. & Kalshoven, K. (2011). Ethical leadership at work questionnaire (ELW): Development and validation of a multidimensional measure. *The Leadership Quarterly*, 22(1), 51-69.

<https://doi.org/10.1016/j.leaqua.2010.12.007>

- Demirtas, O. & Akdogan, A.A. (2014). The effect of ethical leadership behavior on ethical climate, turnover intention and affective commitment. *Journal of Business Ethics*, 130(1). <https://doi.org/10.1007/s10551-014-2196-6>
- Deutsch-Salamon, S. & Robinson, S.L. (2008). Trust that binds: The impact of collective felt trust on organizational performance. *Journal of Applied Psychology*, 93(3), 593-601. <https://doi.org/10.1037/0021-9010.93.3.593>
- Deutsch-Salamon, S. & Robinson, S.L. (2011). The impact of trust on organizational performance. *HRMA: Research Briefing*. Retrieved from <https://cphr.ca/wp-content/uploads/2017/01/Trust-and-Performance-Research-Results.pdf>
- Dictionary.com. (n.d). Trust. Retrieved July, 22, 2024 from <https://www.dictionary.com/browse/Trust>
- Dirks, K. T. (1999). The effects of interpersonal trust on work group performance. *Journal of Applied Psychology*, 84(3), 445–455. <https://doi.org/10.1037/0021-9010.84.3.445>
- Dirks, K. T., & Ferrin, D. L. (2001). The role of trust in organizational settings. *Organization Science*, 12(4), 450–467. <http://www.jstor.org/stable/3085982>
- Edmondson, A & Moingeon, B (1999). Learning trust and organizational change', In Smith, M, Burgoyne, J & Araujo, L (Editors). (1999) *Organizational learning and the learning organization*. Sage.
- Erdem, F. & Ozen, J. (2003). Cognitive and affective dimensions of trust in developing team performance. *Team Performance Management: An International Journal*, 9(5/6),13 –135. <http://dx.doi.org/10.1108/13527590310493846>
- Fischer, R., & Mansell, A. (2009). Commitment across cultures: A meta-analytic approach. *Journal of International Business Studies*, 40 (8), 1339-1358. <http://www.jstor.org/stable/27752450>. <https://doi.org/10.1057/jibs.2009.14>
- Forsyth, P., Adams, C.M. & Hoy, W.K. (2015). *Collective trust: Why schools can't improve without it*. Teachers College Press.
- Gabriunas, P. I. (2017). Ethical leadership. In: Poff, D., Michalos, A. (eds) *Encyclopedia of business and professional ethics*. Springer. [https://doi.org/10.1007/978-3-319-23514-1\\_55-1](https://doi.org/10.1007/978-3-319-23514-1_55-1)
- Gambetta, D. (1988). Can we trust? In trust: *Making and breaking cooperative relations*. Blackwell, 213–237.
- Gill, H., Vreeker-Williamson, E., Hing, L.S., Cassidy, S.A., & Boies, K. (2024). Effects of cognition-based and affect-based trust attitudes on trust intentions. *Journal of Business and Psychology*, 39, 1355–1374. <https://doi.org/10.1007/s10869-024-09986-z>
- Goldberg, S. C., (2020). *Trust and reliance*. Routledge
- Golembiewski, T. T., & McConkie, M. (1975). The centrality of interpersonal trust in-group processes. In C. L. Copper (Ed.), *Theories of group processes* (pp. 131–185). John Wiley.
- Gray, J. (2016). Investigating the role of collective trust, collective efficacy, and enabling school structures on overall school effectiveness. *NCPEA Education Leadership Review*, 17(1).
- Greenberg, J. & Baron, R.A. (2008). *Behavior in Organizations*. Pearson, 269-274.

- Guinot, J., Chiva, R. & Roca-Puig, V. (2014). Interpersonal trust, stress and satisfaction at work: An empirical study. *Personnel Review*, 43(1). <https://doi.org/10.1108/PR-02-2012-0043>
- Guo, K. (2022). The relationship between ethical leadership and employee job satisfaction: The mediating role of media richness and perceived organizational transparency. *Frontier in Psychology*, 13, 885515. <https://doi.org/10.3389/fpsyg.2022.885515>.
- Herrera, J. & Heras-Rosas, C. (2021). The organizational commitment in the company and its relationship with the psychological contract. *Frontier in Psychology*, 11, 609211. <https://doi.org/10.3389/fpsyg.2020.609211>
- Hill, L. & Lineback, K. (2012). To Build Trust, Competence is Key. *Harvard Business Review*. Retrieved from <https://hbr.org/2012/03/to-build-trust-competence-is-k>
- Holm, H. J., & Nystedt, P. (2010). Collective trust behavior. *The Scandinavian Journal of Economics*, 112(1), 25–53. <http://www.jstor.org/stable/40587795>
- Hoy, W. K., Tarter, C. J., & Wiskowskie, L. (1992). Faculty trust in colleagues: Linking the principal with school effectiveness. *Journal of Research and Development in Education*, 26, 38–58.
- Ibrahim, M., & Ribbers, P. (2009). The impacts of competence-trust and openness-trust on interorganizational systems. *European Journal of Information System*, 18, 223–234. <https://doi.org/10.1057/ejis.2009.17>
- Idris, A. M., & Manganaro, M. (2017). Relationships between psychological capital, job satisfaction, and organizational commitment in the Saudi oil and petrochemical industries. *Journal of Human Behaviour in the Social Environment*, 27, 251–269. <https://doi.org/10.1080/10911359.2017.1279098>
- Javaid, M. F., Raoof, R., Farooq, M., & Arshad, M. (2020). Unethical leadership and crimes of obedience: A moral awareness perspective. *Global Business and Organizational Excellence*, 39(5), 18–25. <https://doi.org/10.1002/joe.22011>
- Johnson, R.E. & Chang, C.H. (2006). “I” is to continuance as “we” is too affective: The relevance of the Self- Concepts for Organizational Commitment. *Journal of Organizational Behavior*, 27, 549-570. <https://doi.org/10.1002/job.364>
- Jones, R. & George, J. (1998). The evolution of trust and cooperation: Implication for teamwork and tacit knowledge. *Academy of Management Review*, 23(2), 531-546. <https://doi.org/10.2307/259293>
- Jung, J. C., & Sharon, E. (2019). The Volkswagen emissions scandal and its aftermath. *Global Business and Organizational Excellence*, 38(4), 6–15.
- Kalshoven, K., Den Hartog, D.N., De Hoogh, A.H.B. (2011). Ethical leadership at work questionnaire (ELW): Development and validation of a multidimensional measure. *The Leadership Quarterly*, 22, 51-69. <https://doi.org/10.1016/j.leaqua.2010.12.007>
- Kanungo, R. N. (2001). Ethical values of transactional and transformational leaders. *Canadian Journal of Administrative Sciences*, 18, 257–265. <https://doi.org/10.1111/J.1936-4490.2001.TB00261.X>
- Kanungo, R. N. & Conger, J.A. (1993). Charismatic leadership in organizations: Perceived behavioural attributes and their measurement. *Journal of Organizational Behavior*, 15(5), 439-452
- Karadag, E. (2015). *Leadership and organizational outcome*. Springer.

- Kilic, M. & Gunsel, A. (2019). The dark side of the leadership: The effects of toxic leaders on employees. *European Journal of Social Science*, 2(2). <https://doi.org/10.26417/ejss-2019.v2i2-64>
- Kim, W.G., & Brymer R.A. (2011). The effects of ethical leadership on manager job satisfaction, commitment, behavioural outcomes, and firm performance. *International Journal of Hospitality Management*, 30(4), 1020-1026. <https://doi.org/10.1016/j.ijhm.2011.03.008>
- La Monica, E.L. (1994). Management and leadership theory. In: *Management in health care*. Palgrave. [https://doi.org/10.1007/978-1-349-23156-0\\_2](https://doi.org/10.1007/978-1-349-23156-0_2)
- Leonard, A.C. (2009). Alignment with Sound Relationships and SLA Support. *Encyclopedia of Information Science and Technology, Second Edition*. <https://doi.org/10.4018/978-1-60566-026-4>.
- Lewis, D. J., & Weigert, A. (1985). Trust as a social reality. *Social Forces*, 63(4), 967–985. <https://doi.org/10.2307/2578601>
- Li, G., Li, L., Xie, L. & Lopez, O.S. (2023). The effects of ethical leadership on creativity: A conservation of resources perspective. *Current Psychology*, 43, 1–11. <https://doi.org/10.1007/s12144-023-04703-0>
- Limpo, L. & Junaidi, J. (2023). Influence of empowering and ethical leadership on employees' job satisfaction, performance and job satisfaction. *Humanities and Social Sciences Letters*, 11(1). <https://doi.org/10.18488/73.v11i1.3241>
- Lowry R. J. (1973). *AH Maslow: An intellectual portrait*. Brooks/Cole
- Lu, C.S., & Lin, C.C. (2014). The effects of ethical leadership and ethical climate on employee ethical behavior in the international port context. *Journal of Business Ethics*, 124, 209–223. <https://doi.org/10.1007/s10551-013-1868-y>
- Ma, J., Schaubroeck, J.M., & LeBlanc, C. (2019). Interpersonal trust in organizations. *Oxford Research Encyclopedia: Business and Management*. Retrieved from <https://oxfordre.com/business/view/10.1093/acrefore/9780190224851.001.0001/acrefore-9780190224851-e-167?print=pdf>. <https://doi.org/10.1093/acrefore/9780190224851.013.167>
- Machado, C. & Dawim, J.P. (2018). *Organizational behavior and human resource management*. Springer MacNeil, I.R. (1985). Relational contract: What we do and do not know. *Wisconsin Law Review* 1, 483-52
- Malik, M.S., Awais, M., Timsal, A. & Qureshi, U.H. (2016). Impact of ethical leadership on employees' performance: Moderating role of organizational values. *International Review of Management and Marketing*, 6(3), 590-595.
- Malik, M., Mahmood, F., Sarwar, N., Obaid, A., Memon, M.A. & Khaskheli, A. (2022). Ethical leadership: Exploring bottom-line mentality and trust perceptions of employees on middle-level managers. *Current Psychology*, 42, 16602–16617. <https://doi.org/10.1007/s12144-022-02925-2>
- Mathieu, J. E., & Zajac, D. M. (1990). A review and meta-analysis of the antecedent's correlation, and consequences of organizational commitment. *Psychological Bulletin*, 108, 171-194. <https://doi.org/10.1037/0033-2909.108.2.171>
- Matzler, K., & Renzl, B. (2006). The relationship between interpersonal trust, employee satisfaction, and employee loyalty. *Total Quality Management & Business Excellence*, 17(10), 1261–1271. <https://doi.org/10.1080/14783360600753653>
- Mayer, R.C., Davis, J.H. & Schoorman, F.D. (1995). An integrative model of organizational trust. *Academy of*

- Meyer, J. P., Becker, T. E., & Vandenberghe, C. (2004). Employee commitment and motivation: a conceptual analysis and integrative model. *Journal of Applied Psychology*, 89, 991–1007. <https://doi.org/10.1037/0021-9010.89.6.991>
- Meyer, J. P., & Allen, N. J. (1984). Testing the ‘side-bet theory’ of organizational commitment: some methodological considerations. *Journal of Applied Psychology*, 69, 372–378. <https://doi.org/10.1037/0021-9010.69.3.372>
- McAllister, D.J. (1995). Affect and cognition-based trust as foundations of interpersonal cooperation in organizations. *Academy of Management Journal*, 38(1), 24-59. <https://doi.org/10.2307/256727>
- McLeod, C. (2020). Trust. *Stanford Encyclopedia of Philosophy*. Retrieved from <https://plato.stanford.edu/entries/trust/>
- Merriam-Webster. (n.d.). Trust. In *the Merriam-Webster.com dictionary*. Retrieved July 6, 2024, from <https://www.merriam-webster.com/dictionary/trust>
- Meyer, J.P., Allen, N.J. & Gellatly, I.R. (1990). Affective and continuance commitment to the organization: Evaluation of measures and analysis of concurrent and time-lagged relations. *Journal of Applied Psychology*, 75, 710–720. <https://doi.org/10.1037/0021-9010.75.6.710>
- Meyer, J.P. & Allen, N.J. (1991). A three component conceptualization of organizational commitment. *Human Resource Management Review*, 1(1), 61-89. [https://doi.org/10.1016/1053-4822\(91\)90011-Z](https://doi.org/10.1016/1053-4822(91)90011-Z)
- Meyer, J.P. & Allen, N.J. (1997). *Commitment in the workplace. Theory, research and application*. Sage
- Meyer, J. P., Stanley, D. J., Herscovitch, L., & Topolnytsky, L. (2002). Affective, continuance, and normative commitment to the agency: A meta-analysis of antecedents, correlates, and consequences. *Journal of Vocational Behavior*, 61(1), 20-52. <https://doi.org/10.1006/jvbe.2001.1842>
- Miller, K. (2003). Values, attitudes and job satisfaction In Robbins, S.P., Odendaal A. & Roodt, G. (eds). *Organizational Behavior: Global and Southern African perspectives*. Pearson Education South Africa
- Miller, D. & Lee, J. (2001). The people make the process: commitment to employees, decision making and performance. *Journal of Management*, 27, 163–189. [https://doi.org/10.1016/S0149-2063\(00\)00094-5](https://doi.org/10.1016/S0149-2063(00)00094-5)
- Mishra, A. K. (1996). Organizational responses to crisis: The centrality of trust. In R. M. Kramer & T. R. Tyler (Eds.), *Trust in organizations: Frontiers of theory and research* (pp. 261–287). Sage.
- Mitchell, M.S., Rivera, G. & Trevino, L.K. (2022). *Unethical leadership: A review, analysis, and research agenda*. Wiley
- Morrow, P.C. (1993). *The theory and measurement of work commitment*. Jai.
- Mueller, K., & Straatmann, T. (2014). Organizational commitment. In: Michalos, A.C. (eds) *Encyclopedia of quality of life and well-being research*. Springer. [https://doi.org/10.1007/978-94-007-0753-5\\_2030](https://doi.org/10.1007/978-94-007-0753-5_2030)
- Mueller, K., Straatmann, T., & Schefer, M. (2024). Organizational commitment. In: Maggino, F. (eds) *Encyclopedia of quality of life and well-being research*. Springer. [https://doi.org/10.1007/978-3-031-17299-1\\_2030](https://doi.org/10.1007/978-3-031-17299-1_2030)
- Muhammad, S., Afridi, F. K., Ali, M. W., Shah, W. U., & Alasan, I. I. (2021). Effect of Training on Employee

Commitment: Mediating Role of Job Satisfaction. *Pakistan Journal of Society, Education and Language (PJSEL)*, 7(1), 28-37.

Musschenga, A.W. (2002). Integrity — Personal, moral, and professional. In: Musschenga, A.W., van Haaften, W., Spiecker, B., Slors, M. (eds) *Personal and moral identity*. Springer. [https://doi.org/10.1007/978-94-015-9954-2\\_8](https://doi.org/10.1007/978-94-015-9954-2_8)

Nauman, R. & Qamar, A. (2018). The impact of ethical leadership on employee productivity. *Journal of Management and Human Resource (JMHR)*, 1, 66-84.

O'Reilly, C. (1989). Corporations, culture and commitment. *California Management Review*, 31, 9–24.

O'Reilly, C. A., & Chatman, J. (1986). Organizational commitment and psychological attachment: The effects of compliance, identification, and internalization on prosocial behaviour. *Journal of Applied Psychology*, 71, 492-499. <https://doi.org/10.1037/0021-9010.71.3.492>

Páez Gabriunas, I. (2017). Ethical Leadership. In: Poff, D., Michalos, A. (eds) *Encyclopedia of business and professional ethics*. Springer. [https://doi.org/10.1007/978-3-319-23514-1\\_55-1](https://doi.org/10.1007/978-3-319-23514-1_55-1)

Porter, L. W., & Lawer, E. E. (1965). *Managerial attitudes and performance*. Homewood

Porter, L. W., Steers, R. M., Mowday, R. T., & Boulian, P. V. (1974). Organizational commitment, job satisfaction, and turnover among psychiatric technicians. *Journal of Applied Psychology*, 59(5), 603–609. <https://doi.org/10.1037/h0037335>

Qin, Z., Li, Y., & Yang, Y. (2023). Leadership. In: *Management innovation and big data*. Springer. [https://doi.org/10.1007/978-981-19-9231-5\\_3](https://doi.org/10.1007/978-981-19-9231-5_3)

Qing, M., Asif, M., & Hussain, A. (2020). Exploring the impact of ethical leadership on job satisfaction and organizational commitment in public sector organizations: the mediating role of psychological empowerment. *Review of Management Science*, 14, 1405–1432. <https://doi.org/10.1007/s11846-019-00340-9>

Rahman, S.A.A., Wahba, M., Ragheb, M.A.S. and Ragab, A.A. (2021) The effect of organizational trust on employee's performance through organizational commitment as a mediating variable (Applied Study on Mobile Phone Companies in Egypt). *Open Access Library Journal*, 8, 1-15. <https://doi.org/10.4236/oalib.1107806>.

Randall, P.M., Saurage-Altenloh, S. & Osei, E.T. (2020). *The relationship between leadership ethics and organizational success: A global perspective*. IGI Global Scientific Publishing.

Rantika, S.D. & Yustina, A.I. (2017). The effect of ethical leadership on employee well-being: The mediating role of psychological empowerment. *Journal of Indonesian Economy and Business*, 32(2), 121-137. <https://doi.org/10.22146/jieb.22333>

Reicher, A.E. (1985). A review and reconceptualization of organizational commitment. *Academy of Management Review*, 10, 465–476. <https://doi.org/10.2307/258128>

Resick, C. J., Hanges, P. J., Dickson, M. W., & Mitchelson, J. K. (2006). A cross-cultural examination of the endorsement of ethical leadership. *Journal of Business Ethics*, 63, 345–359.

Rousseau, D. (1995). *Psychological contracts in organizations. Understanding written and unwritten agreements*. Sage.

- Rousseau, D., Sitkin, S. B., Burt, R., & Camerer, C. (1998). Not so different after all: A cross-discipline view of trust. *The Academy of Management Review*, 23(3), 393–404. <https://doi.org/10.5465/AMR.1998.926617>
- Samankova, D., Preiss, M., & Prihodova, T. (2018). *The contextual character of moral integrity*. Springer
- Schyns, B. & Schilling, J. (2013). How bad are the effects of bad leaders? A meta-analysis of destructive leadership and its outcomes. *The Leadership Quarterly*, 24(1), 138-158. <https://doi.org/10.1016/j.leaqua.2012.09.001>
- Seok, C.B., Cosmas, G., Mutang, J.A., & Hashmi, S.I. (2015). Development and Validation of Employee Trust Scale: Factor Structure, Reliability, and Validity. *International Journal of Economics and Management Engineering*, 9(8). <http://waset.org/publications/10002708/development>.
- Seok, C.B., Lastar, A.I., Chiew, T.C. Mutang, J.A., Madlan, L. & Zhi, A.C.H. (2014). Workers and head of departments: Investigating the trust factor. *International Journal of Information and Education Technology*, 4 (3). <https://doi.org/10.1016/j.sbspro.2010.03.007>
- Shearrow, D.A. (2023). Human resource management. In: Poff, D.C., Michalos, A.C. (eds) *Encyclopedia of business and professional ethics*. Springer. [https://doi.org/10.1007/978-3-03022767-8\\_772](https://doi.org/10.1007/978-3-03022767-8_772)
- Shen, Y. & Lei, X. (2022). Exploring the impact of leadership characteristics on subordinates' counterproductive work behavior: From the organizational cultural psychology perspective. *Frontier in Psychology*. 13, 818509. <https://doi.org/10.3389/fpsyg.2022.818509>
- Singh, S., & Lin, P.K.F. (2023). Exploring the role of trust, competence, and likability in fostering workplace relations. In: Eijdenberg, E.L., Mukherjee, M., Wood, J. (eds) *Innovation-driven business and sustainability in the tropics*. Springer. [https://doi.org/10.1007/978-981-99-2909-2\\_6](https://doi.org/10.1007/978-981-99-2909-2_6)
- Six, F.E. (2007). Building interpersonal trust within organizations: a relational signaling perspective. *Journal of Management and Governance*, 11, 285–309. <https://doi.org/10.1007/s10997-007-9030-9>
- Solinger, O.N., van Olfen, W. & Roe, R.A. (2008). Beyond the three-component model of organizational commitment. *Journal of Applied Psychology*, 93(1), 70-83. <https://doi.org/10.1037/0021-9010.93.1.70>
- Sypniewska, B. (2020). Counterproductive work behavior and organizational citizenship behavior. *Advance in Cognitive Psychology*, 16(4), 321-328. <https://doi.org/10.5709/acp-0306-9>.
- Tarter, C. J., & Hoy, W. K. (2004). A systems approach to quality in elementary schools: A theoretical and empirical analysis. *Journal of Educational Administration*, 42, 539-554. <https://doi.org/10.1108/09578230410554052>
- Taylor R.G (1989). The role of trust in labor-management relations. *Organizational Development Journal*, 7, 85-89
- Treviño, L. K., Brown, M., & Hartman, L. P. (2003). A qualitative investigation of perceived executive ethical leadership: Perceptions from inside and outside the executive suite. *Human Relations*, 56, 5–37. <https://doi.org/10.1177/0018726703056001448>
- Treviño, L., Weaver, G., Reynolds, S. (2006) Behavioral ethics in organizations: a review. *Journal of Management*, 32(6),951–990.
- Tu, Y. & Xinxin Lu, X. (2016). Do ethical leaders give followers the confidence to go the extra mile? The moderating role of intrinsic motivation. *Journal of Business Ethics*, 135(1), 129-144. <https://doi.org/10.1007/s10551-014-2463-6>

- Ugwu, J.N. & Maduagwu, E.N. (2018). Interpersonal trust and workgroup performance in selected public organizations. *Asia Pacific Journal of Research in Business and Management*, 9(1).
- Ul Hassan, M., Vatansever, N., Semercios, F., & Aksel, I. (2012). Interpersonal trust and its role in organizations. *International Business Research*, 5(8). <https://doi.org/10.5539/ibr.v5n8p33>
- Wang, W., Mather, K. & Seifert, R. (2018). Job insecurity, employee anxiety, and commitment: The moderating role of collective trust in management. *Journal of Trust Research*, 8(2). <https://doi.org/10.1080/21515581.2018.1463229>
- Whitener E. M. (1997). The impact of human resource activities on employee trust. *Human Resource Management Review* 7, 389-404. [https://doi.org/10.1016/S1053-4822\(97\)90026-7](https://doi.org/10.1016/S1053-4822(97)90026-7)
- Wilkinson, D. & Birmingham, P. (2003). *Using research instruments: A guide for researchers*. Routledge. Wulumbwa, F. O., Avolio, B. J., Gardner, W. L., Wernsing, T. S., & Peterson, S. J. (2008). Authentic leadership: Development and validation of a theory-based measure. *Journal of Management*, 34, 89-26. <https://doi.org/10.1177/0149206307308913>
- Yozgat, U. & Mesekiran, G. (2016). The impact of ethical leadership and trust in leader on job satisfaction. *Journal of Economics, Business and Management*, 4(2). <https://doi.org/10.7763/JOEBM.2016.V4.378>
- Yuan, H., Long, Q., Huang, G., Huang, L., & Luo, S. (2021). Different roles of interpersonal trust and institutional trust in COVID-19 pandemic control. *Social science & medicine*, 293, 114677. <https://doi.org/10.1016/j.socscimed.2021.114677>
- Yukl, G. (2006). *Leadership in organizations* (6th ed.). Pearson Education. Yukl, G. (2011). *Contingency theories of effective leadership*. SAGE.
- Yukl, G., Mahsud, R. Hassan, S. & Prussia, G.E. (2011). An improved measure of ethical leadership. *Journal of Leadership & Organizational Studies*, 20(1), 38–48. <https://doi.org/10.1177/1548051811429352>
- Yukl, G., Mahsud, R., Hassan, S. & Prussia, G.E. (2013). An improved measure of ethical leadership. *Journal of Leadership & Organizational Studies*, 20(38). <https://doi.org/10.1177/1548051811429352>

**Publisher's Note:** DWIJMH stays neutral with regard to jurisdictional claims in published maps and institutional affiliations.



© 2025 by the authors. Licensee DWIJMH. This article is an open access article distributed under the terms and conditions of the [Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License](https://creativecommons.org/licenses/by-nc-sa/4.0/) (<https://creativecommons.org/licenses/by-nc-sa/4.0/>)

Divine Word International Journal of Management and Humanities. DWIJMH is licensed under a Creative Commons Attribution 4.0 International License.