

The Mediating Effect of Organizational Citizenship Behavior on the Relationship between Emotional Intelligence and Innovative Work Behavior of Teachers

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Publication Date: 2025/06/09

Abstract: This study aimed to assess the mediating effect of organizational citizenship behavior on the relationship between emotional intelligence and innovative work behavior among teachers in Sta. Maria West District, Davao Occidental. Using a descriptive-correlation quantitative design, data were gathered from teachers across 204 public elementary schools selected via simple random sampling, employing validated and reliable adapted survey questionnaires. Findings revealed that teachers demonstrated moderately extensive emotional intelligence, particularly showing strength in social awareness while displaying relative limitations in self-awareness. Innovative work behavior among teachers was also rated moderately extensive, characterized by stronger engagement in idea exploration and championing compared to idea generation and implementation. Organizational citizenship behavior was similarly rated as moderately extensive, with teachers most actively involved in collaborative support activities but less frequently offering innovative solutions to school problems. Emotional intelligence was strongly and significantly correlated with innovative work behavior, moderately correlated with organizational citizenship behavior, and organizational citizenship behavior itself was moderately linked to innovative work behavior. Importantly, organizational citizenship behavior mediated the relationship between emotional intelligence and innovative work behavior as a suppressor; emotional intelligence promoted citizenship behaviors, which paradoxically reduced innovative practices.

Keywords: *Emotional Intelligence, Innovative Work Behavior, Organizational Citizenship Behavior, Teacher Innovation, Descriptive-Correlation Design.*

How to Cite: Jayram Y. Rafil (2025). The Mediating Effect of Organizational Citizenship Behavior on the Relationship between Emotional Intelligence and Innovative Work Behavior of Teachers. *International Journal of Innovative Science and Research Technology*, 10(5), 4072-4079. <https://doi.org/10.38124/ijisrt/25may1936>

I. INTRODUCTION

Innovative work behavior is important for enhancing teaching and school effectiveness, but many teachers face challenges like limited support and workload that hinder innovation. Emotional intelligence may help foster innovation, but its impact is inconsistent. Organizational citizenship behavior (OCB), where teachers go beyond their roles to collaborate and share ideas, might mediate this relationship. However, the exact role of OCB in linking emotional intelligence to innovation is still unclear and needs further study.

In the United States, lack of training, support, and the pressure of standardized testing limit teachers' ability to adopt new methods and technologies. African teachers face even greater challenges due to limited access to technology

and insufficient training, resulting in predominantly traditional, teacher-centered classrooms. In Thailand, cultural norms and hierarchical school structures discourage experimentation, hindering consistent implementation of innovative practices. Similarly, in the Philippines, both Luzon and Mindanao struggle with resource shortages and inadequate administrative support, with Mindanao's situation further complicated by socio-political instability and security issues. These factors collectively restrict teachers' capacity to innovate, highlighting the urgent need for targeted support and resources to foster educational innovation in diverse and challenging contexts.

This study addressed a critical gap in understanding how emotional intelligence and organizational citizenship behavior (OCB) interacted to influence teachers' innovative work behavior in Sta. Maria West District, Davao Occidental.

While previous research had examined these factors separately, little was known about how OCB might mediate the relationship between emotional intelligence and innovation in teaching. Given the district's ongoing efforts to improve education through innovation, exploring this connection was vital to explain the uneven adoption of new practices. The unique cultural and organizational context of the district made it an ideal setting for this research, which aimed to provide insights that could help design targeted interventions to boost teacher collaboration and innovation, ultimately enhancing educational quality and teacher effectiveness.

Emotional intelligence (EI), innovative work behavior, and organizational citizenship behavior (OCB) are key factors that influence teacher effectiveness and educational outcomes. Teachers with high EI manage emotions well, creating positive learning environments that encourage innovation. Innovative work behavior helps teachers adapt teaching methods to changing needs, while OCB promotes a supportive and collaborative school culture. Although EI is known to impact both innovative behavior and OCB, the role of OCB as a mediator between EI and innovation is not well understood.

This study was grounded in three key theories. Social Exchange Theory explained how fair, reciprocal relationships in organizations encourage teachers with high emotional intelligence to engage in organizational citizenship behavior (OCB), which in turn fosters innovative work behavior through supportive professional relationships. Emotional Intelligence Theory highlighted that teachers' ability to perceive, understand, and manage emotions influences their willingness to show OCB, creating a positive environment for innovation. Lastly, the Componential Theory of Creativity emphasized that creativity results from skills, motivation, and a supportive social context, showing how OCB and emotional intelligence together promote teachers' innovation in the classroom.

This study aimed to investigate how organizational citizenship behavior (OCB) mediates the relationship between emotional intelligence and innovative work behavior among teachers in Sta. Maria West District, Davao Occidental. Specifically, it examined the levels of teachers' emotional intelligence—covering self-awareness, self-management, social awareness, and social skills—and their innovative work behavior, including idea exploration, generation, championing, and implementation. The study also assessed the extent of teachers' organizational citizenship behavior and explored the significant relationships among these variables. Finally, it aimed to determine whether OCB significantly mediates the link between emotional intelligence and innovative work behavior.

The study will test two hypotheses at a 0.05 level of significance: first, that there is no significant relationship among emotional intelligence, innovative work behavior, and organizational citizenship behavior of teachers; and second, that organizational citizenship behavior does not significantly

mediate the relationship between emotional intelligence and innovative work behavior among teachers.

II. METHOD

This study employed a quantitative descriptive-correlational research design to examine the mediating effect of organizational citizenship behavior on the relationship between emotional intelligence and innovative work behavior among teachers. The quantitative approach allowed for the collection and statistical analysis of numerical data to measure and interpret relationships between variables, providing generalizable results.

Descriptive methods were used to outline the levels of emotional intelligence, organizational citizenship behavior, and innovative work behavior, establishing a baseline for analysis. The correlational approach identified the strength and direction of associations among these variables, laying the groundwork for mediation analysis. Mediation was tested using Baron and Kenny's method and the Sobel z-test, which helped determine whether organizational citizenship behavior significantly mediated the impact of emotional intelligence on innovative work behavior, ensuring the robustness and validity of the study's findings.

The study involved 203 elementary school teachers from Sta. Maria West District, Davao Occidental, selected using the Slovin Formula to ensure a representative sample from the total population of 413 teachers. Simple random sampling was employed to give each teacher an equal chance of selection, minimizing bias and ensuring fairness. Inclusion criteria required respondents to be full-time teachers with at least one academic year at their current school, while those on administrative or long-term leave were excluded to maintain data relevance and consistency.

The researcher used adapted and modified survey questionnaires, pilot tested for reliability with a Cronbach's alpha above 0.700, indicating high internal consistency. The instrument was validated by three experts and revised accordingly. The survey had three parts: emotional intelligence, innovative work behavior, and organizational citizenship behavior, each measured using 5-point Likert scales. Emotional intelligence was assessed across four domains: self-awareness, self-management, social awareness, and social skills. Innovative work behavior covered idea exploration, generation, championing, and implementation. Organizational citizenship behavior was also measured similarly. Responses were categorized into five levels—from "Not Extensive" to "Very Extensive"—based on predefined mean ranges to facilitate clear and consistent data interpretation.

The study secured necessary ethical clearances and endorsements before conducting a pilot test to validate the survey instrument. Questionnaires were then distributed online and face-to-face to 203 elementary teachers in Sta. Maria West District, allowing flexibility and adequate time for responses. Data were organized and analyzed using descriptive statistics and inferential methods, including

correlation and mediation analysis, to examine relationships among emotional intelligence, organizational citizenship behavior, and innovative work behavior. Findings were interpreted with relevant theories, leading to practical recommendations to improve teacher innovation and collaboration in the district.

The researcher used several statistical tools which are the following: Weighted Mean to assess the levels of emotional intelligence, innovative work behavior, and organizational citizenship behavior; Pearson Product-Moment Correlation to examine the relationships among these variables; Baron and Kenny's (1986) Mediation Method to test if organizational citizenship behavior mediates the effect of emotional intelligence on innovative work behavior; and the Sobel z-Test to determine the significance of this mediation effect.

III. RESULTS AND DISCUSSIONS

The emotional intelligence of teachers in Sta. Maria West District, Davao Occidental, was generally rated as moderately extensive, with an overall mean of 3.21, indicating that emotionally intelligent behaviors are sometimes manifested. Among the four domains assessed, social awareness scored the highest (mean = 3.41, extensive), showing teachers often display sensitivity to others' feelings and social dynamics. Self-management (3.33), social skills (3.21), and self-awareness (2.90) followed, all moderately extensive, reflecting a moderate ability to regulate emotions, manage relationships, and recognize personal strengths and weaknesses. These findings suggest that while teachers demonstrate a fair level of emotional intelligence that supports classroom management and student engagement, there is room for further development to enhance their emotional competencies in educational settings.

The innovative work behavior of teachers in Sta. Maria West District, Davao Occidental, shows a generally moderate level of engagement in exploring, generating, championing, and implementing new ideas to improve teaching and learning. Idea exploration and idea championing both received the highest mean scores of 3.42, indicating that teachers often foster creativity and actively promote innovative practices within their educational settings. Meanwhile, idea generation and idea implementation scored slightly lower, with means of 3.39 and 3.26 respectively, reflecting that while teachers sometimes develop and apply new strategies, consistency and sustained practice remain challenges, possibly due to institutional constraints.

The organizational citizenship behavior (OCB) of teachers in Sta. Maria West District, Davao Occidental, is moderately extensive, with a mean score of 3.18, indicating that teachers sometimes engage in voluntary actions that support colleagues and enhance the school environment beyond formal duties. Collaborative efforts in inclusive classrooms scored highest, while offering innovative solutions to school problems was less frequent. Correlation analysis revealed a strong positive relationship between emotional intelligence (EI) and innovative work behavior

(IWB), and a moderate positive relationship between IWB and OCB, as well as a strong link between EI and OCB, highlighting how emotional awareness fosters both innovation and cooperative behaviors.

Teachers in Sta. Maria West District demonstrated a moderately extensive level of emotional intelligence, with social awareness being the strongest domain, showing that they often recognized others' emotions. In contrast, self-awareness was the weakest, indicating occasional recognition and management of their own emotions. Their innovative work behavior was also moderately extensive, with teachers frequently exploring new ideas but only occasionally generating and implementing them. Similarly, their organizational citizenship behavior was moderately extensive, with collaboration for inclusive teaching being most common, while offering innovative solutions to school problems was least observed.

The study found strong, significant relationships among emotional intelligence, innovative work behavior, and organizational citizenship behavior. Teachers with higher emotional intelligence were more likely to engage in innovative practices and display voluntary citizenship behaviors beneficial to their schools. Organizational citizenship behavior acted as a suppressor in the relationship between emotional intelligence and innovative work behavior, meaning that while emotional intelligence generally promotes innovation, its enhancement of citizenship behaviors can slightly reduce innovative efforts.

Teachers in Sta. Maria West District show moderate emotional intelligence, with strong social awareness but weaker self-regulation and interpersonal skills, indicating a need for targeted professional development. They demonstrate moderate innovative work behavior, frequently exploring and supporting new ideas but less often generating and implementing them, highlighting the need for a supportive environment to boost practical innovation.

Teachers also exhibit moderate organizational citizenship behavior, especially in collaboration, though other voluntary actions vary. Emotional intelligence strongly relates to innovation and moderately to citizenship behavior, with innovation also linked to citizenship. However, citizenship behavior partially suppresses the positive effect of emotional intelligence on innovation. Overall, emotional intelligence remains crucial for fostering innovation, and school leaders should balance developing emotional skills and managing citizenship expectations to enhance teacher innovation.

The study recommends that DepEd balance organizational citizenship expectations with fostering innovation by integrating emotional intelligence training and revising evaluation to reward creativity. School leaders should support a culture that encourages innovation while managing citizenship demands and providing resources. Teachers are encouraged to reflect on balancing collaboration with innovation, use emotional intelligence purposefully, and build peer innovation communities. Empowering students as

partners in innovation can also enhance creative teaching. Future research should explore why some citizenship behaviors suppress innovation and test strategies to promote beneficial practices in diverse educational settings.

REFERENCES

- [1]. Abendaño, M., Arellano, M. A. G., Allawan, J. M., Lemindog, R. B., & Cagape, W. E. (2023). Multivariate analysis on curriculum viability, teaching competence, and effective instruction: davao region teachers in focus. *Multivariate Analysis on Curriculum Viability, Teaching Competence, and Effective Instruction: Davao Region Teachers in Focus*, 127(1), 25-25.
- [2]. AlEsa, H. S., & Durugbo, C. M. (2022). Systematic review of innovative work behavior concepts and contributions. *Management Review Quarterly*, 72(4), 1171-1208. <https://link.springer.com/article/10.1007/s11301-021-00224-x>.
- [3]. Al-Hyari, H. S. A. (2023). Job security as a mediating variable between innovative leadership and innovative work behavior among employees. *Journal of System and Management Sciences*, 13(1), 532-574.
- [4]. Al-Mahdy, Y. F. H., Emam, M., & Hassan, T. (2022). Workplace spirituality and organizational citizenship behavior among teachers in bahrain: commitment as a mediator. *Journal of Beliefs & Values*, 43(3), 301-319. <https://www.tandfonline.com/doi/abs/10.1080/13617672.2021.1957601>.
- [5]. Al-Mamary, Y. H. S. (2021). The impact of transformational leadership on organizational citizenship behaviour: Evidence from Malaysian higher education context. *Human Systems Management*, 40(5), 737-749. <https://journals.sagepub.com/doi/full/10.3233/HSM-201068>.
- [6]. Almessabi, A., & Alhosani, M. (2024). How Principals Influence Teachers' Innovative Work Behavior: A Qualitative Study. *International Journal of Educational Reform*, 10567879241238363. <https://journals.sagepub.com/doi/abs/10.1177/10567879241238363>.
- [7]. Amponsah, K. D., Salifu, I., Yeboah, R., & Commey-Mintah, P. (2024). Emotional intelligence and academic performance: how does the relationship work among pre-service teachers in Ghana?. *Cogent Education*, 11(1), 2305557. <https://www.tandfonline.com/doi/full/10.1080/2331186X.2024.2305557>.
- [8]. Anderson, R. C., Bousselot, T., Katz-Buoincontro, J., & Todd, J. (2021). Generating buoyancy in a sea of uncertainty: Teachers creativity and well-being during the COVID-19 pandemic. *Frontiers in psychology*, 11, 614774.
- [9]. Aoun, S. (2020). The Impact of School Senior Leadership Team (SLT) Emotional Intelligence on Teachers' Professional Development Programs and School Performance in the UAE (Master's thesis, The British University in Dubai). <https://www.proquest.com/openview/0cfca354d15392bea5fb97b4236b4c22/1?cbl=2026366&diss=y&pq-origsite=gscholar>.
- [10]. Asiyah, S., Wiyono, B. B., Hidayah, N., & Supriyanto, A. (2021). The effect of professional development, innovative work and work commitment on quality of teacher learning in elementary schools of Indonesia. *Eurasian Journal of Educational Research*, 95, 227-246. <https://eric.ed.gov/?id=EJ1321959>.
- [11]. Bacangallo, L. B., Buella, R. T., Rentasan, K. Y., Pentang, J., & Bautista, R. (2022). Creative thinking and problem-solving: can preservice teachers think creatively and solve statistics problems?.
- [12]. Bayod, R. P., Forosuelo, E. J. D., Armosa, D. A., Orion, H. C., & Cavalida, J. M. (2021). Choosing positivity in the midst of difficulties: The case of public schoolteachers in Mindanao. *Eubios Journal of Asian and International Bioethics*, 31(2), 109.
- [13]. Bogler, R., & Somech, A. (2023). Organizational citizenship behavior (OCB) above and beyond: Teachers' OCB during COVID-19. *Teaching and teacher education*, 130, 104183.
- [14]. Cade, A. (2024). Emotional Intelligence and Organizational Citizenship: A Quantitative Study of the Mediating Role of Communication Satisfaction (Doctoral dissertation, Grand Canyon University). <https://www.proquest.com/openview/84d069e58bbfe71efa55b1d46b50167b/1?cbl=18750&diss=y&pq-origsite=gscholar>.
- [15]. Çayak, S., & Eskici, M. (2021). The mediating role of emotional intelligence in the relationship between school principals' sustainable leadership behaviors and diversity management skills. *Frontiers in psychology*, 12, 774388. <https://www.frontiersin.org/journals/psychology/articles/10.3389/fpsyg.2021.774388/full>.
- [16]. Çelik, Ç., Polat, S., & Esen, E. (2024). The Relationship Between Inclusive Leadership and Innovative Work Behavior: The Mediating Role of Inclusive Climate and Emotional Commitment. *Research in Educational Administration and Leadership*, 9(3), 417-482. <https://dergipark.org.tr/en/pub/real/issue/87500/1420668>.
- [17]. Cerit, E., & Şimşek, N. (2021). A social skills development training programme to improve adolescents' psychological resilience and emotional intelligence level. *Archives of psychiatric nursing*, 35(6), 610-616. <https://www.sciencedirect.com/science/article/abs/pii/S0883941721001217>.
- [18]. Contreras, F., Juarez, F., Cuero Acosta, Y. A., Dornberger, U., Soria-Barreto, K., Corrales-Estrada, M., & Yshikawa Salusse, M. A. (2020). Critical factors for innovative work behaviour in Latin American firms: Test of an exploratory model. *Cogent Business & Management*, 7(1), 1812926. <https://www.tandfonline.com/doi/full/10.1080/23311975.2020.1812926>.

- [19]. Derin, O. B., Toker, K., & Gorener, A. (2022). The relationship between knowledge sharing and innovative work behaviour: the mediating role of ethical climate. *Knowledge Management Research & Practice*, 20(4), 557-570. <https://www.tandfonline.com/doi/abs/10.1080/14778238.2020.1860666>.
- [20]. Eshkor Vakili, K., & Nojabaei, S. (2022). Explaining the relationship between emotional intelligence and self-management with organizational innovation. *Management and Educational Perspective*, 4(2), 66-84. https://www.jmep.ir/article_153368.html?lang=en.
- [21]. Fitzgerald, P. (2024). Early-career teachers' understanding and description of emotional self-awareness and stress tolerance emotional intelligence competencies within their teaching experiences. Youngstown State University. <https://www.proquest.com/openview/965d1173787e7783165626dc99ee5181/1?cbl=18750&diss=y&pq-origsite=gscholar>.
- [22]. Merino-Soto, C., & Cervera-Santiago, J. L. (2021, December). Emotional intelligence measures: A systematic review. In *Healthcare* (Vol. 9, No. 12, p. 1696). MDPI.
- [23]. Fitzgerald, P. (2024). Early-career teachers' understanding and description of emotional self-awareness and stress tolerance emotional intelligence competencies within their teaching experiences. Youngstown State University. <https://www.proquest.com/openview/965d1173787e7783165626dc99ee5181/1?cbl=18750&diss=y&pq-origsite=gscholar>.
- [24]. Fleming, S. (2021). A Qualitative Case Study that Explores Principals' Emotional Intelligence and Its Influence on Teacher Self-Efficacy in the Classroom (Doctoral dissertation, University of La Verne). <https://www.proquest.com/openview/d61715e45263e7b69a37b5a85008165b/1?cbl=18750&diss=y&pq-origsite=gscholar>.
- [25]. Fong, C. L. (2024). The effects of quality management practices on academics' innovative work behaviour and performance in Malaysian higher education institutions. http://eprints.utar.edu.my/7095/1/4.Final_Complete_Thesis.11_Oct_2024.pdf.
- [26]. Fuad, D. R. S. M., Musa, K., & Hashim, Z. (2022). Innovation culture in education: A systematic review of the literature. *Management in Education*, 36(3), 135-149. <https://journals.sagepub.com/doi/abs/10.1177/0892020620959760>.
- [27]. Gabrijelcic, M. K., Antolin, U., & Istenic, A. (2021). Teacher's Social and Emotional Competences: A Study among Student Teachers and Students in Education Science in Slovenia. *European Journal of Educational Research*, 10(4), 2033-2044. <https://eric.ed.gov/?id=EJ1318369>.
- [28]. Gkontelos, A., Vaiopoulou, J., & Stamovlasis, D. (2022). Teachers' innovative work behavior scale: psychometric properties of the Greek version and measurement invariance across genders. *Social Sciences*, 11(7), 306.
- [29]. Göçen, A., & Şen, S. (2021). Spiritual leadership and organizational citizenship behavior: A meta-analysis. *Sage Open*, 11(3), 21582440211040777. <https://journals.sagepub.com/doi/full/10.1177/21582440211040777>.
- [30]. Gómez-Leal, R., Holzer, A. A., Bradley, C., Fernández-Berrocal, P., & Patti, J. (2022). The relationship between emotional intelligence and leadership in school leaders: A systematic review. *Cambridge Journal of Education*, 52(1), 1-21. <https://www.tandfonline.com/doi/abs/10.1080/0305764X.2021.1927987>.
- [31]. Gómez-Leal, R., Holzer, A. A., Bradley, C., Fernández-Berrocal, P., & Patti, J. (2022). The relationship between emotional intelligence and leadership in school leaders: A systematic review. *Cambridge Journal of Education*, 52(1), 1-21. <https://www.tandfonline.com/doi/abs/10.1080/0305764X.2021.1927987>.
- [32]. Grošelj, M., Černe, M., Penger, S., & Grah, B. (2021). Authentic and transformational leadership and innovative work behaviour: the moderating role of psychological empowerment. *European Journal of Innovation Management*, 24(3), 677-706. <https://www.emerald.com/insight/content/doi/10.1108/ejim-10-2019-0294/full/html>.
- [33]. Habeb Al-Obaydi, L., Pikhart, M., & Derakhshan, A. (2022). A qualitative exploration of emotional intelligence in English as foreign language learning and teaching: Evidence from Iraq and the Czech Republic. *Applied Research on English Language*, 11(2), 93-124. https://are.ui.ac.ir/article_26487.html.
- [34]. Halimi, F., AlShammari, I., & Navarro, C. (2021). Emotional intelligence and academic achievement in higher education. *Journal of Applied Research in Higher Education*, 13(2), 485-503. <https://www.emerald.com/insight/content/doi/10.1108/jarhe-11-2019-0286/full/html>.
- [35]. Hartung, P. (2020). The impact of self-awareness on leadership behavior. *Journal of Applied Leadership and Management*, 8, 1-21. <https://www.econstor.eu/handle/10419/251923>.
- [36]. Hermanto, Y. B., & Srimulyani, V. A. (2022). The effects of organizational justice on employee performance using dimension of organizational citizenship behavior as mediation. *Sustainability*, 14(20), 13322.
- [37]. Hosseini, S., & Haghighi Shirazi, Z. R. (2021). Towards teacher innovative work behavior: A conceptual model. *Cogent Education*, 8(1), 1869364. <https://www.tandfonline.com/doi/full/10.1080/2331186X.2020.1869364>.
- [38]. Hsieh, C. C., Li, H. C., Liang, J. K., & Chiu, Y. C. (2024). Empowering teachers through principals' emotional intelligence: Unlocking the potential of

- organizational citizenship behavior in Taiwan's elementary schools. *Acta Psychologica*, 243, 104142. <https://journals.nauka-nanrk.kz/bulletin-science/article/view/5440>
- [39]. Hung, W., & Sitthiworachart, J. (2020). In-service teachers' conception of creativity and its relation with technology: a perspective from thailand. *The Asia-Pacific Education Researcher*, 29, 137-146.
- [40]. Iqbal, J., Qureshi, N., Ashraf, M. A., Rasool, S. F., & Asghar, M. Z. (2021). The effect of emotional intelligence and academic social networking sites on academic performance during the COVID-19 pandemic. *Psychology research and behavior management*, 905-920. <https://www.tandfonline.com/doi/full/10.2147/PRBM.S316664>.
- [41]. Johari, A., Abdul Wahat, N. W., & Zaremozhzabieh, Z. (2021). Innovative work behavior among teachers in Malaysia: The effects of teamwork, principal support, and humor. *Asian Journal of University Education (AJUE)*, 7(2), 72-84. <https://ir.uitm.edu.my/id/eprint/53718/>.
- [42]. Kartiko, A., Wibowo, G. A., Van Gobel, L., Wijayanto, A., & Saputra, N. (2023). Improving teacher job satisfaction through organizational commitment and organizational citizenship behavior in the digitalization era. *Nidhomul Haq: Jurnal Manajemen Pendidikan Islam*, 8(2), 315-327.
- [43]. Khan, M. A., Ismail, F. B., Hussain, A., & Alghazali, B. (2020). The interplay of leadership styles, innovative work behavior, organizational culture, and organizational citizenship behavior. *Sage Open*, 10(1), 2158244019898264. <https://journals.sagepub.com/doi/full/10.1177/2158244019898264>.
- [44]. Kmiecik, R. (2021). Trust, knowledge sharing, and innovative work behavior: empirical evidence from Poland. *European Journal of Innovation Management*, 24(5), 1832-1859. <https://www.emerald.com/insight/content/doi/10.1108/ejim-04-2020-0134/full/html>.
- [45]. Koroglu, S., & Ozmen, O. (2022). The mediating effect of work engagement on innovative work behavior and the role of psychological well-being in the job demands-resources (JD-R) model. *Asia-Pacific Journal of Business Administration*, 14(1), 124-144. <https://www.emerald.com/insight/content/doi/10.1108/apjba-09-2020-0326/full/html>.
- [46]. Kurniawan, J. E., Rahmawati, K. D., & Tanuwijaya, E. (2025). School teacher's innovative work behaviour model. *International Journal of Management in Education*, 19(7), 1-36. <https://www.inderscienceonline.com/doi/abs/10.1504/IJMIE.2025.144925>.
- [47]. Lambriex-Schmitz, P. M. M. (2023). Towards sustainable innovations: unravelling teachers' innovative work behaviour. <https://cris.maastrichtuniversity.nl/ws/portalfiles/portal/128147388/v7801.pdf>.
- [48]. Ling, G. (2020). The impact of emotional intelligence and organizational justice on organizational citizenship behaviour in Malaysian manufacturing sector (Doctoral dissertation, Universiti Teknologi Malaysia). <https://eprints.utm.my/102104/1/GanJenLingPAHIBS2020.pdf>.
- [49]. Lozano-Pena, G., Saez-Delgado, F., Lopez-Angulo, Y., & Mella-Norambuena, J. (2021). Teachers' social-emotional competence: History, concept, models, instruments, and recommendations for educational quality. *Sustainability*, 13(21), 12142. <https://www.mdpi.com/2071-1050/13/21/12142>.
- [50]. MacKinnon, D. P., Fairchild, A. J., & Fritz, M. S. (2007). Mediation analysis. *Annu. Rev. Psychol.*, 58(1), 593-614.
- [51]. Maharaj, P., & Ramsaroop, A. (2022). Emotional intelligence as a contributor to enhancing educators' quality of life in the COVID-19 era. *Frontiers in psychology*, 13, 921343. <https://www.frontiersin.org/journals/psychology/articles/10.3389/fpsyg.2022.921343/full>.
- [52]. Mast, N. M. (2020). Teacher-initiated change in the primary school: The relationship between supervisor support, innovative school climate and teacher innovative work behavior (Master's thesis). <https://studenttheses.uu.nl/handle/20500.12932/39118>.
- [53]. Mavi, D., Tuti, G., & Özdemir, M. (2024). The effect of principal self-efficacy on innovative work behavior: the mediating role of principal entrepreneurship. *Current Psychology*, 43(6), 5020-5031. <https://link.springer.com/article/10.1007/s12144-023-04663-5>.
- [54]. Molero Jurado, M. D. M., Simón Márquez, M. D. M., Martos Martínez, Á., Barragán Martín, A. B., Pérez-Fuentes, M. D. C., & Gázquez Linares, J. J. (2022). Qualitative Analysis of Use of ICTs and Necessary Personal Competencies (Self-Efficacy, Creativity and Emotional Intelligence) of Future Teachers: Implications for Education. *Sustainability*, 14(19), 12257. <https://www.mdpi.com/2071-1050/14/19/12257>.
- [55]. Moyo, F. (2023). Enhancing the Incorporation of Emotional intelligence into the Teacher Education Curriculum in Zimbabwe. *Journal of Popular Education in Africa*, 7(6), 38-52. <https://kenyasocialscienceforum.wordpress.com/wp-content/uploads/2023/07/pdf-fedina-moyo-enhancing-the-incorporation-of-emotional-intelligence-into-the-teacher-education-curriculum-in-zimbabwe.pdf>.
- [56]. Neves, P. C., Palma-Moreira, A., Andrade, C., & Au-Yong-Oliveira, M. (2024). Organizational citizenship behavior: adaptation and validation of the OCB scale CCOE-R. *Frontiers in Psychology*, 15, 1475011.
- [57]. Ninković, S., Đorđić, D., & Knežević Florić, O. (2025). Self-innovativeness within school context: multilevel study of the relations between teacher job

- crafting and innovative behaviour. *Educational Studies*, 1-20. <https://www.tandfonline.com/doi/abs/10.1080/03055698.2024.2449245>.
- [58]. Noor, S., Tajik, O., & Golzar, J. (2022). Simple random sampling. *International Journal of Education & Language Studies*, 1(2), 78-82.
- [59]. Padmashree, G. S., & Mamatha, H. K. (2022). Transference of teachers' emotional intelligence to students during adolescence. *Education and New Developments*, 1, 388-392. <https://files.eric.ed.gov/fulltext/ED622189.pdf#page=423>.
- [60]. Pajuoja, M. (2022). From mechanistic measuring to up-to-date understanding: Problematising the study of innovative work behaviour. Pajuoja, M. (2022). From mechanistic measuring to up-to-date understanding: Problematising the study of innovative work behaviour. <https://osuva.uwasa.fi/handle/10024/14476>
- [61]. Patston, T. J., Kaufman, J. C., Cropley, A. J., & Marrone, R. (2021). What is creativity in education? A qualitative study of international curricula. *Journal of Advanced Academics*, 32(2), 207-230.
- [62]. Plakhotnik, M. S. (2020). Writing for publication as innovative work behavior: An argument for supporting undergraduate student authors. *New Horizons in Adult Education and Human Resource Development*, 32(1), 62-66. <https://journals.sagepub.com/doi/abs/10.1002/nha3.20275>.
- [63]. Pretorius, A., & Plaatjies, B. O. B. (2023). Self-Awareness as a key emotional intelligent skill for secondary school principals' leadership toolkit. *Research in Educational Policy and Management*, 5(2), 52-74. <https://www.repamjournal.org/index.php/REPAM/article/view/103>.
- [64]. Qurtubi, A. (2022). The Effects Of Transformational Leadership And Organizational Citizenship Behavior (Ocb) On Islamic School Teachers' Satisfaction. *Journal of Positive School Psychology*, 6(7), 2744-2753.
- [65]. Rahman, M. H. A., & Karim, D. N. (2022). Organizational justice and organizational citizenship behavior: the mediating role of work engagement. *Heliyon*, 8(5). [https://www.cell.com/heliyon/fulltext/S2405-8440\(22\)00738-1](https://www.cell.com/heliyon/fulltext/S2405-8440(22)00738-1).
- [66]. Rogayan Jr, D. V., & Gagasa, K. L. M. (2024). Development of research agenda of a teacher education institution in Central Luzon, Philippines. *Journal of Education and Learning (EduLearn)*, 18(4), 1433-1441.
- [67]. Roncesvalles, M. C. T., & Gaerlan, A. A. (2021). The Role of Authentic Leadership and Teachers' Organizational Commitment on Organizational Citizenship Behavior in Higher Education. *International Journal of Educational Leadership and Management*, 9(2), 92-121.
- [68]. Sabanal, J. A. (2023). Positive Personality Traits and Self-Efficacy as Correlates to Career Self-Management among Public Secondary School Teachers (Doctoral dissertation, Doctoral dissertation, University of Mindanao).
- [69]. Sajuyigbe, A. S., Henry, I., Adebajji, A., & Ighomereho, S. O. (2022). Compulsory citizenship behavior, work-life balance, and turnover intention in academia: Mediating effects of emotional intelligence. *The Journal of Behavioral Science*, 17(2), 58-72. <https://so06.tci-thaijo.org/index.php/IJBS/article/view/254864>.
- [70]. Sanabrias-Moreno, D., Sánchez-Zafra, M., Zagalaz-Sánchez, M. L., & Cachón-Zagalaz, J. (2023). Emotional intelligence, quality of life, and concern for gender perspective in future teachers. *Sustainability*, 15(4), 3640. <https://www.mdpi.com/2071-1050/15/4/3640>.
- [71]. Sánchez-Cabrero, R., Arigita-García, A., Gil-Pareja, D., Sánchez-Rico, A., Martínez-López, F., & Sierra-Macarrón, L. (2022). Measuring the relation between academic performance and emotional intelligence at the university level after the COVID-19 pandemic using TMMS-24. *Sustainability*, 14(6), 3142.
- [72]. Sayed, Y., Singh, M., Bulgrin, E., Henry, M., Williams, D., Metcalfe, M., ... & Mindano, G. (2021). Teacher support, preparedness and resilience during times of crises and uncertainty: COVID-19 and education in the Global South. *Journal of Education (University of KwaZulu-Natal)*, (84), 125-154.
- [73]. Siedlecki, S. L. (2020). Understanding descriptive research designs and methods. *Clinical Nurse Specialist*, 34(1), 8-12.
- [74]. Stanescu, D. F., Zbucnea, A., & Pinzaru, F. (2021). Transformational leadership and innovative work behaviour: the mediating role of psychological empowerment. *Kybernetes*, 50(5), 1041-1057. <https://www.emerald.com/insight/content/doi/10.1108/k-07-2019-0491/full/html>.
- [75]. Sukamolson, S. (2007). Fundamentals of quantitative research. *Language Institute Chulalongkorn University*, 1(3), 1-20.
- [76]. Suleman, Q., Syed, M. A., Mahmood, Z., & Hussain, I. (2020). Correlating emotional intelligence with job satisfaction: Evidence from a cross-sectional study among Secondary School Heads in Khyber Pakhtunkhwa, Pakistan. *Frontiers in psychology*, 11, 240. <https://www.frontiersin.org/journals/psychology/articles/10.3389/fpsyg.2020.00240/full>
- [77]. Sullivan, S. (2024). Correlational Designs. In *Research Methods in Special Education* (pp. 113-130). Routledge.
- [78]. Tan, A. B., van Dun, D. H., & Wilderom, C. P. (2024). Lean innovation training and transformational leadership for employee creative role identity and innovative work behavior in a public service organization. *International Journal of Lean Six Sigma*, 15(8), 1-31. <https://www.emerald.com/insight/content/doi/10.1108/ijlss-06-2022-0126/full/html>.

- [79]. Turner, K., & Stough, C. (2020). Pre-service teachers and emotional intelligence: A scoping review. *The Australian Educational Researcher*, 47, 283-305. <https://link.springer.com/article/10.1007/s13384-019-00352-0>.
- [80]. Ubah, I. J., & Ogbonnaya, U. I. (2021). Primary school pre-service teachers' solutions to pattern problem-solving tasks based on three components of creativity. *South African Journal of Education*, 41(4).
- [81]. Vermeulen, M., Kreijns, K., & Evers, A. T. (2022). Transformational leadership, leader-member exchange and school learning climate: Impact on teachers' innovative behaviour in the Netherlands. *Educational Management Administration & Leadership*, 50(3), 491-510. <https://journals.sagepub.com/doi/full/10.1177/1741143220932582>.
- [82]. Widodo, W., Gustari, I., & Permana, R. (2023). A mediation model of the effect of visionary leadership on teachers' organizational citizenship behavior. *International Journal of Learning, Teaching and Educational Research*, 22(4), 104-123.
- [83]. Williams, C. (2024). Emotional intelligence in school leadership and teachers' perception of its effect on their efficacy. <https://digitalcommons.acu.edu/etd/836/>.
- [84]. Worapun, W., & Nuangchalem, P. (2024). An Innovative Instructional Model to Foster Creative Thinking in Primary School Students in Thailand. *Journal of Curriculum and Teaching*, 13(4), 138-147.
- [85]. Wynen, J., Boon, J., Kleizen, B., & Verhoest, K. (2020). How multiple organizational changes shape managerial support for innovative work behavior: Evidence from the Australian Public Service. *Review of Public Personnel Administration*, 40(3), 491-515. <https://journals.sagepub.com/doi/full/10.1177/0734371X18824388>.
- [86]. Yilmaz, B., & Tore, E. (2025). The Mediating Role of Self-Efficacy in the Effect of School Principals' Transformational Leadership Characteristics on Teachers' Innovative Work Behavior. *Leadership and Policy in Schools*, 1-20. <https://www.tandfonline.com/doi/abs/10.1080/15700763.2025.2462741>.
- [87]. Zharkinbayeva, N., & Wolfs, B. (2023). The impact of emotional intelligence on organizational behavior in terms of innovative changes in enterprises. *«Вестник НАН РК»*, 404(4), 433-450