Edelweiss Applied Science and Technology ISSN: 2576-8484 Vol. 9, No. 4, 2923-2938 2025 Publisher: Learning Gate DOI: 10.55214/25768484.v9i4.6699 © 2025 by the authors; licensee Learning Gate

Agile resilience for the future human resource management profession: Methodologies, strategies, and best practices

DAK Isabirye¹, DMP Mampuru^{2*}

^{1,2}Vaal University of Technology, Faculty of Management Sciences, South Africa; anthonyi@vut.ac.za (A.K.I.) motlokoem@vut.ac.za (M.M.)

Abstract: The swiftly changing business environment of the 21st century requires a transformation in Human Resource Management (HRM) towards a framework based on 'Agile Resilience.' This theoretical article offers a thorough qualitative literature assessment, drawing information from esteemed databases including JSTOR, Google Scholar, ProQuest, and Wiley Online Library, to examine how Agile Resilience might transform the future of HRM to address essential organizational needs. We present a literature-based comprehensive framework designed to improve organizational agility, responsiveness, and resilience in the face of growing complexities. Critical segments of the article explore the necessity of Agile Resilience, analyzing the requirement for adaptation to fluctuating business landscapes and pinpointing current issues encountered by HRM experts. We examine how utilizing agile approaches can enhance responsive HR practices, the importance of developing a culture of agile resilience within HR teams, and the critical function of technology in enabling agile HR operations. The essay emphasizes the need to redefine HR competencies for the agile era and presents concrete ideas and best practices for implementing Agile Resilience in HR services. Our findings highlight the critical necessity for organizations to cultivate adaptive resilience to effectively traverse a constantly evolving environment. This research comprehensively delineates its theoretical and practical ramifications, as well as its limitations and suggestions for future inquiry. In conclusion, we emphasize the essential function of Agile Resilience in maintaining the future significance and effectiveness of the HRM profession, promoting a proactive adoption of adaptable solutions to attain sustainable organizational success.

Keywords: Agile resilience, Future of HR, Human resource management, Literature review, Organisational adaptability.

1. Introduction

Due to alterations in the business landscape, new challenges and opportunities have emerged for the HRM profession. Increased global rivalry, technology advancements, and changes in the job market have presented HR managers with new difficulties that necessitate innovative organisational management strategies [1]. This theoretical study intends to examine the concept of 'Agile Resilience' and its potential to influence the future of Human Resource Management. Agility, defined as an organization's capacity to adapt to a dynamic environment and operate efficiently, has emerged as an essential competency for organisations seeking success in today's unpredictable landscape [2]. Consequently, HR managers are pivotal in fostering organisational resilience by enabling employees to exhibit greater flexibility and accountability [3, 4]. The incorporation of an agile methodology in human resource management is posited to enable businesses to anticipate and adapt to changes, respond to market fluctuations, and capitalise on emerging chances for advancement [5]. This article examines the methods and best practices that HR professionals may utilise to create and cultivate a "Agile Resilient" workforce that is flexible, adaptable, and equipped to address the future demands of

^{© 2025} by the author; licensee Learning Gate

History: Received: 24 February 2025; Revised: 17 April 2025; Accepted: 21 April 2025; Published: 29 April 2025

^{*} Correspondence: motlokoem@vut.ac.za

organisations [6]. Consequently, it is essential for the HRM profession to embrace the ideas of agile resilience to be acknowledged as a strategic partner in achieving organisational success and shaping the future of work. This article aims to provide a methodical framework for HR professionals to effectively navigate the evolving landscape and serve their organisations both presently and in the future.

1.1. Context of the Study

Harney and Collings [1] assert that globalisation, technological advancements, and changes in worker dynamics have significantly challenged traditional HRM approaches. Consequently, it is essential to transform the methodology organisations employ in managing their resources. Considering these transitions, it is essential for human resources professionals to adopt a more strategic role to enhance their organisations' capacity to address difficulties and compete effectively [5]. A burgeoning concept suggests that this can be achieved through 'Agile Resilience'; a methodology that necessitates the empowerment of HR professionals to gain a distinct advantage in fostering agility by devising and executing human resource management strategies that enhance employee creativity and promote a culture of perpetual learning and adaptation [4].

Nonetheless, some obstacles may arise when attempting to incorporate agile principles with human resource management approaches. Human resources professionals must navigate the intricate organisational landscape, outdated processes, and entrenched cultures to effectuate necessary changes [6]. It is essential to understand the variables that improve worker agility, the role of HRM in fostering organisational resilience, and the technologies and methods that can elevate the HRM profession. This article will examine the concept of 'Agile Resilience' as a potential means of reshaping the future of the HRM profession to satisfy this critical requirement. The authors propose a complete framework to assist HR professionals in improving organisational agility, responsiveness, and resilience.

2. Research Methodology

This study employed qualitative research through a literature review, concentrating on the examination of available literature. The literature review method was deemed the most suitable research methodology to comprehend the notion of 'Agile Resilience' and its possible impact on the future of HRM. A literature study was performed by searching for pertinent articles, publications, and research works across various academic databases, including Scopus, Web of Science, and Google Scholar. The search terms employed included 'agile resilience,' 'organisational agility,' 'HRM practices,' 'workforce agility,' and 'the future of HRM.'

Consistent with Snyder [7] proposal, a literature review was performed to encompass all requisite and reputable sources. All papers were evaluated according to their relevance, methodological rigour, and research quality. Multiple considerations rendered the literature review procedure the most appropriate methodology for this investigation. The notion of 'Agile Resilience' and its impact on Human Resource Management is a nascent and evolving academic area with scant empirical evidence [8]. This review offers a critical evaluation of the theoretical framework, trends, and practical applications of this subject, while identifying potential areas of research that may be overlooked. Furthermore, the literature review methodology facilitates a comprehensive evaluation of the current knowledge base, encompassing perspectives and methodologies [9]. This is significant in HRM as it pertains to other fields, including organisational behaviour, strategic management, and human capital analysis.

This article employs a qualitative literature review methodology to enhance the understanding of the idea of 'Agile Resilience' and its correlation with the future of the HRM profession. This review's conclusions will enhance the ongoing discussion regarding the strategic development of HRM and provide essential advice for HR practitioners to effectively maneuver within the dynamic business landscape.

2.1. The Imperative of Agile Resilience: Adapting to a Dynamic Business Environment

Organisations under heightened pressure to function in increasingly complex and uncertain situations due to shifts in market conditions, technology, and consumer trends [10]. The capacity to anticipate, respond to, and adjust to these changes has emerged as a critical determinant of an organization's performance and sustainability [11]. The adoption of agile methodologies is a primary strategy employed by organisations to enhance their adaptability and resilience [12]. In the contemporary business landscape, agility, defined as an organization's capacity to perceive, respond to, and adapt to market changes, has become crucial for entities seeking success [13].

Research has demonstrated that incorporating agile principles into organisational structures, processes, and leadership enhances an organization's responsiveness, adaptability, and innovation [14]. Consequently, businesses can improve their ability to capitalise on opportunities and mitigate risks by implementing agile methodologies that enable strategic adjustments, resource reallocation, and enhanced collaboration [15]. Implementing good agile resilience extends beyond merely adopting agile frameworks. It necessitates a comprehensive transformation of organisational culture, values, and human resource management procedures [14]. It is essential to recognise that the responsibility is with human resources professionals to cultivate a flexible and adaptable workforce capable of managing risks and fostering creativity.

Mendrofa, et al. [15] assert that the adaptation of resilience inside an organisation has significant implications for the future of the Human Resource Management profession. To cultivate a flexible and responsive workforce capable of addressing the dynamic demands of the company and improving the organization's resilience and competitiveness, it is essential to modify the strategies, policies, and practices of HR professionals. This must be accomplished notwithstanding the challenges confronting the HRM profession.

2.2. Challenges Facing the HRM Profession in the 21st Century

The HRM profession in the 21st century faces numerous obstacles while navigating a constantly evolving corporate landscape. A significant concern is the growing complexity of the contextual environment influenced by globalisation, technological progress, and demographic shifts [1]. Consequently, HRM experts must adapt to new conditions and acquire new skills to ensure the profession remains pertinent and effective. Podgorodnichenko, et al. [16] assert that although HRM is progressively concentrating on the daily transactional elements of the role, there is an increasing focus on the establishment of sustainable organisations. Professionals in Human Resource Management must simultaneously handle the challenge of achieving long-term strategic objectives and fulfilling short-term operational needs.

A significant problem now faced in the realm of Human Resource Management (HRM) is the incorporation of technologies such as artificial intelligence (AI) and data analytics into HR operations [17, 18]. To effectively implement these technologies and ensure alignment with the organization's strategy, HRM professionals must develop new capabilities, as organisations increasingly rely on these capabilities to streamline and optimise HR operations. Furthermore, Brunetto and Beattie [19] identify issues for the field of integration. The authors observe that HRM professionals in the public sector must contend with challenges stemming from bureaucratic structures, political pressures, and the tension between the necessity for effective governance and organisational efficiency.

Kroon and Paauwe [20] observe that in small organisations, HRM practices are inconsistent and defined more by situational factors than by formal structures. Consequently, the solutions that HRM professionals must create should be sufficiently adaptable to meet the requirements and resources of small organisations. The diverse array of organisational structures and cultures presents an additional difficulty that impacts the advancement of the HRM profession. Consequently, HRM professionals must be equipped to adapt to environmental changes and be receptive to acquiring new skills for the profession's long-term sustainability [21]. This aims to establish a constant process of learning and innovation, strategically positioning oneself to address the future needs of organisations and their

Edelweiss Applied Science and Technology ISSN: 2576-8484 Vol. 9, No. 4: 2923-2938, 2025 DOI: 10.55214/25768484.v9i4.6699 © 2025 by the authors; licensee Learning Gate

workforce. The issues encountered necessitate the implementation of agile methodologies to resolve them. Furthermore, Brunetto and Beattie [19] indicate that the expansion of Human Resource Management (HRM) in the public sector has presented specific challenges for the discipline. HRM practitioners in the public sector must operate within bureaucratic frameworks, navigate political pressures, and include the concept of public interest alongside organisational flexibility.

Kroon and Paauwe [20] assert that in smaller organisations, HRM practices tend to be informal and are heavily influenced by individual settings. Consequently, HRM specialists must adapt their strategies to align with the requirements of smaller organisations. A significant challenge presently faced by the HRM profession is the management of diverse settings inside businesses. Consequently, to maintain relevance and sustainability throughout time and to adapt to the evolving environment, HRM professionals must be equipped to develop new skills and competencies in the workplace [21]. This necessitates a continuous endeavour to obtain knowledge, cultivate new thoughts, and guarantee that the strategies are effectively aligned with the requirements of organisations and their personnel. Therefore, it is essential to implement solutions that can address these difficulties.

3. Leveraging Agile Methodologies for Responsive HR Practices

The potential application of agile approaches in HR activities, particularly emphasising the Iterative Approach to HR Policy Development, has consistently been contemplated, highlighting the importance of feedback and regular modifications. Agile methodologies, originally formulated for software development, have been extensively embraced by HR departments to enhance the adaptability of their procedures [22].

3.1. Iterative Approach to HR Policy Development

Organisations have been compelled to adopt agile approaches to enhance their responsiveness and resilience due to the escalating complexity and dynamism of the business environment [23]. This alteration has also impacted the domain of Human Resource Management, where there is a growing acknowledgement of the significance of integrating the agile methodology into HR procedures [23]. An excellent method for integrating agile methodology in HR, aligning with the objectives of current organisations, is the iterative approach to HR policy formulation. According to the agile software development model, the interactive approach involves the establishment of policies, their implementation, followed by a continuous process of evaluation and adjustment [24]. Consequently, the process allows for the enhancement of policy.

Historically, policy formulation has adhered to a standard methodology defined by linearity and centralisation. Blomkamp [25] observes that the policies are predominantly formulated by the headquarters and executed throughout the organisation following an extensive approval process. Conversely, the iterative approach to HR policy development offers a more collaborative and proactive technique, wherein policies are co-created and regularly amended based on the organization's needs [25]. This iterative method allows the HR department to confront and manage existing dangers and opportunities. Riani [26] contends that this guarantees the alignment of HR policies with the organization's strategic objectives. The effectiveness of this approach, compared to the conventional linear and centralised method, lies in its segmentation of the policy development process into smaller stages. This allows HR teams to obtain timely feedback, experiment with new ideas, and swiftly modify their strategies, thereby enhancing the efficiency of HR activities Heilmann, et al. [27].

Mishra and Chakraborty [28] observe that this interactive methodology can be applied in various HR domains, including performance management, talent acquisition, and employee engagement. By applying the principles of collaboration, adaptation, and continuous improvement through the agile interactive approach, HR professionals can cultivate a more flexible organisational culture and adaptive HR policies that facilitate immediate employee feedback, experimentation with new ideas, and rapid modifications as necessary. This eventually enhances the significance and efficacy of HR procedures [28].

Moreover, the iterative approach to HR policy design can enhance organisational flexibility by facilitating collaboration between HR teams and other business units. This mitigates the silo mentality and promotes a collaborative culture [29, 30]. As the HRM profession confronts the challenges of the 21st Century, adopting and fostering iterative approaches may enhance agile methodologies to promote more responsive and resilient HR practices. Junita [31] and Moh'd, et al. [32] note that this will ultimately enhance the overall agility and competitiveness of organisations in the 21st century.

3.2. Continuous Feedback and Adjustments

A key feature of the agile methodology in HRM is the emphasis on ongoing feedback and iterative modifications [33]. This is appropriate for the dynamic nature of modern HR procedures, which necessitate prompt and tailored feedback, as well as the capacity to adapt to the ever-evolving requirements of the organisation and its employees. Xavier [22] asserts that the iterative methodology for feedback and feedback evaluations inside the agile HR framework can be executed in multiple manners. Human resources experts may establish frequent meetings, conduct brief surveys, or facilitate an open forum to obtain real-time input from employees. The feedback method allows HR departments to promptly identify and resolve concerns, enhance existing HR programs and practices, and promote a culture of mutual respect and collaboration [22]. Additionally, the agile methodology may be executed by fostering the notion of a learning organisation, wherein enhancement is an ongoing activity. Employees are urged to adopt a culture of continuous learning, which provides them with the skills and knowledge necessary to navigate the always evolving organisational landscape [22, 33].

It is essential to highlight that, whereas traditional HRM managers depend on set and long-term strategies, agile HR professionals employ an iterative and dynamic methodology to adjust plans and actions according to feedback and the evolving requirements of the company [33]. The organisational attributes of responsiveness and adaptability are essential in the contemporary, intricate, and dynamic business environment, where organisations must swiftly resolve issues and capitalise on opportunities to maintain competitiveness [22, 33].

4. Building A Culture of Agile Resilience in HR Teams

4.1. Fostering Adaptability and Continuous Learning

Given the current fast evolving, unpredictable, and increasingly dynamic business landscape, organisations must prioritise adaptability to new changes and the continual learning of all personnel. This is especially crucial for HR professionals and teams, as they are responsible for fostering the necessary corporate culture while equipping employees with the required knowledge and abilities for 21st-century work. Ahsan [34] contends that for the development of creative and sustainable businesses, management must acknowledge and utilise the "culture of agile resilience" framework. The framework recognises learning as a fundamental principle for ensuring an organization's adaptability. Ahsan [34] emphasises the critical importance of leadership in fostering a culture of learning. The author asserts that leaders' encouragement and support foster and promote ongoing personal and team growth among employees. Holbeche [35] contends that this learning subsequently fosters the adaptability of both employees and the organisation, enabling effective competition in a dynamic business environment.

The concept of workforce agility, as extensively examined in the literature [36, 37]. Pertains to an organization's capacity to adapt and respond to environmental threats, challenges, and opportunities, as well as its ability to effectively navigate these challenges and seize opportunities to sustain competitiveness. Mollet and Kaudela-Baum [37] assert that agile businesses must fulfil specific human resource prerequisites to facilitate organisational transformation and manage associated risks. Gibbons [38] asserts that leaders must guarantee alignment among strategy, behaviour, and structures to enable businesses to adapt and evolve efficiently, emphasising the necessity of fostering an agile culture. This aligns with the findings of Carvalho, Sampaio, Rebentisch, McMackin and Heffernan [23] which demonstrated the interrelation of organisational agility, culture, and operational excellence.

Consistent with Carvalho, et al. [39] and Neto, et al. [40] recognises the significance of leadership in fostering organisational agility. Organisational leadership must use a systematic method to cultivate a culture of agile resilience throughout HR teams. Furthermore, executives in human resources must cultivate resilience among personnel and teams. Mollet and Kaudela-Baum [37] contend that leaders must intentionally endeavour to transform employees' mindsets regarding conventional methods of process enhancement and learning. It is essential for HR professionals and employees to cultivate a mindset of adaptability, ongoing enhancement, experimentation, risk acceptance, and learning from trials and errors. Furthermore, provision must be given for ongoing professional development, as continual learning is essential for people to adapt to and navigate changes within any organisation. Multiple authors [36, 37]. Assert that with completion of this process, HR teams will be enabled to act as catalysts for organisational change. They will adopt the principles of agile resilience, which will enhance the organisation's potential for resilience and adaptation. This resilience will ultimately improve the organisation's sustainability and success in the long term, particularly in the current dynamic global market.

4.2. Empowering HR Professionals to Embrace Change

Human Resources teams must possess the capability to respond and adapt efficiently as disruptions occur inside any organisation. Lashley [41] asserts that human resources professionals must act as enablers to achieve operational excellence. The author asserts that empowering HR personnel fosters an organisational culture that is more nimble, resilient, and receptive to change. Yusoff and Abdullah [42] proposed a framework to improve the efficacy of human resources in achieving organisational goals. They contend that delegating HR responsibilities to line managers allows specialists or senior managers to concentrate on strategic functions while line managers and HR teams address other business requirements. This transformation in the HR job may facilitate a culture of adaptability within the HR function. Muñoz [43] explores the professional trajectories of minority women in human resources, offering significant insights. The study examines how these professionals navigate disruptive change and the measures they implement to fortify themselves and their teams. This study's findings affirmed that engaging line managers and teams in daily operations, while allowing top managers and experts to concentrate on strategic matters, helped foster a more inclusive and resilient HR culture.

Ongori [44] examines the concept of employee empowerment from a managerial viewpoint in his research. The author emphasises the necessity of creating an environment that motivates human resources professionals to assume accountability for their duties, exercise discretion, and engage actively in initiatives aimed at organisational transformation. This corresponds with the concept of fostering a culture of Agile Resilience within HR teams. A study examined organization-based self-esteem as a regulatory mechanism to mitigate resistance to change. Neves, et al. [45] demonstrated that by empowering HR professionals to cultivate a sense of employee ownership and belonging, organisations can enhance their capacity to navigate organisational changes while adopting innovative work methodologies. Consequently, by enabling HR personnel, organisations can improve their ability to respond, adapt, and effectively manage the difficulties posed by a dynamic corporate environment.

4.3. Collaborative Decision-Making and Cross-Functional Alignment

To cultivate a culture of agile resilience, HR teams must be empowered to participate in collaborative decision-making that surpasses functional boundaries. This necessitates that HR executives actively cultivate a mindset of collective accountability, transparent communication, and a readiness to question existing assumptions [46]. By fostering a climate that values many perspectives and promotes open expression of ideas among team members, HR teams can attain the requisite flexibility and adaptability to adeptly manage unforeseen situations. Moreover, organisations ought to establish structures and processes that promote cross-functional collaboration. This may entail the utilisation of cross-functional project teams, as delineated by Bishop [47] when individuals from several functional domains collaborate to attain a shared objective. Such configurations can facilitate the

dismantling of silos, enhance information dissemination, and cultivate a collective sense of ownership among team members. Elikwu [46] contends that an enterprise's capacity to foster a culture of agile resilience within its HR teams is intricately linked to the characteristics of collaborative decisionmaking and cross-functional alignment. As the business environment becomes increasingly dynamic and complicated, organisations must empower HR to make timely and informed decisions that advance overall strategy objectives.

The allocation of decision-making authority Cui [48] is a significant factor in the decision-making processes of cross-functional teams. Cui [48] observed that centralising decision-making authority among a limited group of team members may jeopardise outcomes due to the underutilisation of diverse perspectives and knowledge. Conversely, distributing decision-making authority more equitably enhances information exchange, dispute resolution, and adherence to collective decisions, thus augmenting the team's responsiveness to evolving objectives or aims. The organisational structure significantly influences cross-functional collaboration. Bishop [47] asserts that in functionally aligned organisations, teams organised inside a certain functional area may encounter difficulties in attaining good cross-functional collaboration. The silo effect of these arrangements may obstruct information flow and the establishment of a shared context among team members.

Facilitating cross-functional communication among HR teams is crucial for fostering a culture of agile resilience. Consequently, HR executives must foster an attitude of collective accountability, engage in transparent communication, and be prepared to challenge prevailing assumptions [46]. By promoting diverse perspectives and fostering an environment where team members feel at ease expressing ideas, HR teams can acquire the flexibility and agility essential for navigating uncertain circumstances effectively. Furthermore, organisations must implement structures and processes that facilitate cross-functional collaboration. They may possess cross-functional project teams, which are collaborative groupings comprising various functional specialities. Such arrangements can dismantle silos, enhance information sharing, and foster a sense of ownership for the process among team members.

5. The Role of Technology in Enabling Agile HR Processes

Technology is becoming increasingly essential for firms to modify HR operations in response to the swiftly evolving business landscape. Three facets of how technology may assist agility and responsiveness in HR teams are: the automation and simplification of HR operations, data-driven insights for enhanced decision-making, and the integration of HR systems and platforms. Ajayi and Udeh [30] assert that to cultivate agility in IT work environments, Human Resources must facilitate innovation and adaptability. Kavitha and Suresh [49] examine agile methodologies in human resource management, which facilitate adaptability and collaboration within HR. Lenka and Singh [50] examine how leading companies, such as Accenture, are transforming their HR functions into agile business partners. Nargis, et al. [14] investigated the notion of "Agile HR," detailing the adaption of human resource approaches to dynamic business situations.

5.1. Automation and Optimisation of HR Tasks

An illustration of agility in HR processes is the incorporation of automation and streamlining, which can enhance the efficiency and effectiveness of HR operations. Robotic Process Automation (RPA) is a technique that is emerging to improve agility in human resource processes. Vijai and Mariyappan [51] investigate the capacity of RPA to optimise multiple HR activities, such as employee onboarding, payroll management, and performance assessments. Turcu and Turcu [52] examine the adoption of RPA by small and medium-sized enterprises, emphasising its capacity to digitalise and automate human resource transactions, thereby enabling HR professionals to focus on strategic initiatives that enhance organisational value.

The implementation of artificial intelligence (AI) and machine learning (ML) inside HR services, with the utilisation of robotic process automation (RPA) in HR operations, has accelerated. Vapiwala

and Pandita [53] investigate the optimisation of the recruitment and selection process via AI-driven talent management systems, whereas Deviprasad, et al. [54] suggest a framework for automating jobs in the HR administration of a multinational corporation via machine learning. Furthermore, the implementation of cloud-based HR solutions enhances the potential for automating and expediting HR procedures. Khan [55] asserts that cloud-based HR solutions facilitate the centralisation and standardisation of personnel data, payroll management, and various HR services, resulting in enhanced efficiency and data-informed decision-making. In light of these technological advancements, it is imperative for HR to acknowledge and strengthen its role in fostering agile workplaces and efficient supply chains. HR must adhere to agile principles and collaborate across functional silos to facilitate organisational adaptation [30, 49].

Lenka and Singh [50] illustrate the transformation of the HR function at Accenture, which has evolved into a more agile business partner due to the adoption of technology that automates procedures and enhances decision-making. Nargis, et al. [14] examine "Agile HR," modifying HR practices to accommodate swiftly evolving business environments. Consequently, by automating and optimising HR procedures, organisations can effectively improve HR departments while allowing HR experts to focus on high-value tasks. Reinforcing a culture of flexible resilience can enhance HR's ability to assist the organisation in navigating the complexities of the contemporary marketplace.

5.2. Data-Driven Insights for Informed Decision-Making

The methodology of data-driven decision-making enable HR teams to foresee and address evolving business requirements, synchronise HR strategies with overarching organisational objectives, and cultivate a culture of evidence-based decision-making. This can foster an agile, resilient culture and enhance the HR department's capacity to assist the organisation in effectively navigating the challenges of the contemporary business environment. Webber and Zheng [56] assert that the significance of data analytics and data-informed decision-making has increased in the higher education nm of data science, big data, and data-driven decision-making, emphasising that these technologies has the potential to revolutionise organisations. The method may involve straightforward data collection and analysis; nevertheless, the crucial aspect is in incorporating data-driven insights into decision-making. Information versus Zaitsava, et al. [57] analyse the relationship between data and cognitive processes, contending that effective data-driven decision-making necessitates a comprehensive methodology that integrates empirical evidence with subjective human insights. Moinuddin, et al. [58] detailed the strategic significance of data-oriented approaches and examined the role of analytics and artificial intelligence (AI) in enhancing a corporation's capabilities. The authors assert the use of data-driven insights to inform strategic decision-making and improve organisational performance. Awan, et al. [59] examine the influence of big data analytics capabilities on circular economy performance. They elucidate how data-driven insights can facilitate sustainable business practices and inform decision-making. Incorporating data-driven discovery into human resources (HR) can significantly enhance the agility and efficiency of HR operations. Human resources managers can utilise data analytics for data-driven decision-making on talent management, workforce planning, and the effective execution of human resources initiatives and projects.

5.3. Integrated HR Systems and Platforms

Wassell and Bouchard [60] assert that the implementation of integrated HR technology and platforms helps foster a flexible, resilient culture inside HR departments. Human Resources teams can enhance the organization's capacity to maneuver through the intricacies of the contemporary business environment by leveraging technology to promote efficiency, refine data-driven decision-making, and foster cross-functional collaboration. One major emphasis in the HR technology sector has been the creation and advancement of integrated HR platforms. Chai [61] examined the creation of a human resources management platform for rural regions utilising Internet of Things (IoT) and cloud

Edelweiss Applied Science and Technology ISSN: 2576-8484 Vol. 9, No. 4: 2923-2938, 2025 DOI: 10.55214/25768484.v9i4.6699 © 2025 by the authors; licensee Learning Gate

computing technology. These integrated systems indicate the potential to enhance HR operations and facilitate optimal data management.

The incorporation of HR technology in the business environment has proven crucial in enhancing organisational agility and responsiveness. E-recruiting facilitates the integration of HR systems, as noted by Cullen [62] who emphasises the significance of a continuous flow of data and information throughout HR departments. Wassell and Bouchard [60] extensively examined the integration of technology into strategic human resource management, particularly its effects on talent management. The authors emphasise the significance of organisations adopting integrated HR systems that facilitate the gathering, analysis, and application of data for decision-making and enhancement of HR functions.

Human Resources Management tools and platforms are essential for enabling a corporation to adapt to evolving business requirements. Integrated HR solutions can improve HR teams by facilitating informed decision-making, decreasing administrative costs, and enabling a focus on strategic objectives through data aggregation, automation of repetitive tasks, and enhanced cross-functional communication. Furthermore, integrating human resources platforms with related business systems, such as enterprise resource planning (ERP) and customer relationship management (CRM) systems, can significantly improve organisational agility. Proceed to comprehend how this degree of integration can provide seamless data exchange, immediate information analysis, and the alignment of Human Capital Strategy with overarching business strategy.

6. Redefining HR Competencies for the Agile Era

The cultivation and maintenance of an agile mindset and skill set, resilience, and change management abilities, along with a collaborative and innovative methodology, should be integral to redefining HR competencies for the agile era [5, 63, 64]. Embracing an agile mindset has emerged as a crucial facilitator for organisations to succeed in today's rapid business landscape. Eilers, et al. [65] underscore the significance of cultivating an agile mindset characterised by adaptability, continual learning, and a propensity for experimentation. In their 2020 paper, Ozkan and Gök [66] further elucidated the fundamental components of the agile mindset for HR professionals, emphasising the necessity for these individuals to exhibit high levels of adaptability, responsiveness, and collaboration. Hofert [63] presents a thorough framework of ideas for cultivating flexible mindsets and competences in employees, equipping them with essential tools to navigate uncertainty and stimulate creativity.

In agile environments, contemporary HR departments must excel in change management and cultivating organisational resilience. Schriml, et al. [67] examined how the adoption of resource-based management methods, organisational learning, and environmental dynamism fosters organisational resilience and innovation. The papers of Corrales-Estrada et al. delineate the specific abilities and skills necessary for cultivating organisational resilience-the capacity to anticipate, adapt, and recover from setbacks—as explored in the works of Duchek [68]. Enhancing these skills enables human resources teams to assist their organisations more effectively in maneuvering through intricate and uncertain business landscapes. The age of agility necessitates a transition to a more involved and innovative strategy in human resources. Fransman, et al. [69] underscore the necessity of accepting complexity and promoting cross-functional collaboration to facilitate significant transformation. Ramezani and Camarinha-Matos [64] emphasise the necessity of resilient and antifragile collaborative business ecosystems, whereas Torfing, et al. [70] investigate the influence of institutional architecture and leadership on creativity in collaborative promotion. By adopting a collaborative and innovative approach, human resources professionals may more effectively match their objectives and actions with the changing requirements of the organisation and its stakeholders. Collectively, these studies underscore the essential competencies that HR professionals must cultivate to thrive in the agile era. Human Resources teams may indeed become strategic partners that facilitate organisational success amidst unprecedented change and complexity by fostering agile mindsets, enhancing resilience and change management skills, and embracing a collaborative and innovative approach.

7. Implementing Agile Resilience: Strategies and Best Practices

Establishing an agile resilience culture within organisations necessitates a thorough and strategic strategy. The current corpus of knowledge highlights numerous critical elements and optimal solutions for the effective implementation of agile resilience initiatives. Mendrofa, et al. [15] emphasise the need of developing flexible leadership as a crucial element in building organisational resilience. Mendrofa, et al. [15] advocate that organisations consider implementing pilot programs and iterative deployments of agile projects to ensure a smooth and effective transition. This methodology enables continuous information acquisition, feedback, and adaptation, so helping businesses to improve their strategies based on practical experiences. Furthermore, Holbeche [35]; Holbeche [71] and Holbeche [72] emphasises that effective management of organisational transformation is essential for the successful implementation of agile and resilient organisations. The author contends that organisations lack the cultural, structural, and procedural variables necessary for the long-term sustainability of agile initiatives. Creating organisational frameworks that facilitate cross-functional collaboration, fostering a culture of continuous learning and adaptability, and aligning personnel processes to support agile methodologies are potential strategies. The objective is to cultivate strategic agile competencies to ensure the resilience of companies, especially small to medium firms [73]. They propose that intricate metrics such as operational dexterity, adaptive capacity, and responsiveness to changing market conditions dictate the efficacy of agile solutions.

Furthermore, Lotfi [74] examines the interrelation between lean, agile, and resilient methodologies, emphasising the necessity of a comprehensive strategy for organisations that address the specific issues inherent to their operations. The author proposes that the efficacy of agile projects can be assessed by a synthesis of financial, operational, and customer-centric measures. McCann and Selsky [75] assert that cultivating the fundamental components of agility and resilience at the individual, team, and organisational levels is crucial. Their assertion is that the efficacy of agile projects should be evaluated using quantitative metrics of adaptability, learning capacity, and the capability to succeed in swiftly evolving, unpredictable contexts. Therefore, such organisations could integrate these considerations into a comprehensive understanding of the strategies employed regarding the policies and practices necessary to effectively manage the complexities associated with agile resilience adoption and the ongoing benefits derived from this transformative approach. Pilot programs, effective organisational change management, and a strong emphasis on assessing the impact of agile projects can assist businesses in fostering a culture of agile resilience.

8. Presentation of a the Summary of Findings

This literature study examined methodologies and best practices for implementing agile resilience in organisations, specifically within the realm of human resource management (HRM), to achieve optimal outcomes. The investigation found numerous significant findings that underscored the necessity of developing agile resilience to adapt to the evolving organisational climate in the 21st century. It underscored the essential requirement for organisations to have adaptive resilience to manoeuvre through the dynamic and swiftly evolving business environment [10, 11, 35, 71, 72]. The importance of organisational agility warrants prompt consideration, as recent scientific research confirms that agile resilience allows organisations to proactively address and swiftly recuperate from disruptive factors, thereby ensuring continuous business operations and reducing the loss of competitive advantage [12, 64, 73].

As new issues emerge in the evolving operational environment, the literature confirms that the HRM function possesses considerable authority to foster internal flexibility and resilience. These challenges encompass the acquisition of new skill sets, the promotion of interdisciplinary collaboration, and the encouragement of reflection, continual learning, and innovation [23, 34, 63]. The research emphasises the necessity for HRM practitioners to embrace agile methodologies and viewpoints to cultivate more responsive, flexible, and resilient HR processes [14, 30, 49]. One approach is to initiate the integration of agile principles, including iteration, cross-functional collaboration, and value addition,

into human resources operations [13, 50]. Organisations are rapidly recognising the significance of HR staff in fostering a culture of flexible resilience to thrive in the ever-changing business landscape. Similarly, cultivating such a culture is essential for HR professionals to exemplify the behaviours and attitudes intended for the entire organisation [35, 71, 72]. This entails establishing an innovative, knowledge-driven, and cooperative work environment that enables HR teams to embrace proactive and adaptable approaches in their endeavours [15, 34].

Furthermore, the research underscores the crucial role of technology in facilitating agile HR procedures and aiding the execution of agile resilience. Utilising technology, particularly data analytics, artificial intelligence, and cloud-based HR solutions, can enhance the decision-making process for HR professionals by supplying information, reducing repetitive duties, and facilitating collaboration among HR personnel [22, 74]. Furthermore, the investigation indicated that the incorporation of potentially agile resilience in HR necessitates a fundamental transformation in the skills and competencies of HR professionals. This encompasses the enhancement of competencies in agile project management, data-informed decision-making, change management, and strategic business collaboration [35, 43, 63].

9. Theoretical and Practical Implications of the Findings

The ramifications of this work extend beyond the thesis, both conceptually and practically. This study theoretically examines agile resilience and emphasises the capacity of organisations to adapt to evolving business circumstances. This is a significant contribution to extensive theoretical discussions regarding organisational resilience and adaptability. Furthermore, these data demonstrate a robust connection between the HRM function and the impetus to embrace agile methodologies and mentalities. This offers initial insights to bridge the knowledge gap regarding the theoretical advancement of how Human Resource Management (HRM) may significantly boost agile resilience inside organisations. They emphasise the essential significance of fostering an agile resilience culture, especially within HR departments. This study elaborates on the theoretical framework of organisational culture and its impact on an organization's capacity to adapt and prosper in dynamic contexts. The results may offer significant advantages for HR professionals, yielding useful insights into the strategies and best practices for integrating agile resilience inside their organisations. This approach can enhance the HR function to serve organisations more effectively in the 21st century. Furthermore, the report emphasises the necessity for HR professionals to cultivate additional competencies such as agile project management, data-driven decision-making, and strategic business partnering. These findings can guide human resources professional development programs and training initiatives. Moreover, technology is highlighted as an essential instrument for facilitating swift human resources operations and implementing agile resilience. This enables organisations to make intelligent investments in HR technology to improve their adaptation skills. The article underscores the significance of fostering a culture of resilience for organisations to thrive in the dynamic business environment. This may assist organisations in cultivating a work environment that fosters proactivity, adaptability, and innovation among personnel.

9.1. Limitations

Currently, the literature lacks a clear and consistent definition of agile resilience primarily pertaining to HRM. A fundamental drawback of the discipline is the vagueness of its conceptual framework. Furthermore, the current literature on agile resilience in human resource management is predominantly theoretical or derived from case studies. Further empirical studies must be undertaken to investigate the correlations between agile resilience and essential human resource management (HRM) factors, including employee engagement, organisational performance, and adaptability. Moreover, current research on agile resilience in HRM predominantly emphasises universal applications, neglecting the distinct challenges and needs of different organisations. Future research ought to investigate the intricacies of agile resilience within industrial contexts. Specifically, few studies have examined the influence of organisational culture and leadership as critical elements in fostering agile resilience within human resource management. Organisational culture and leadership styles contribute to fostering agile resilience in HR services; nevertheless, additional research is required to elucidate the mechanisms involved. The convergence of emerging technologies, like as AI and automation, with agile resilience in HR remains little examined. A comprehensive analysis should be conducted to assess the influence of new technologies on the HR profession and the methods to facilitate agile resilience.

9.2. Direction for Further Research

Researchers must strive to establish a cohesive perspective on an agile resilience framework for human resource management, encompassing various components and influences. Future research should prioritise longitudinal studies and multilevel analyses to yield practical insights into the long-term impacts of agile resilience on HRM outcomes and the interplay among individual, team, and organisational factors. Furthermore, future research ought to examine the problems and solutions associated with attaining agile resilience across many industries, such as healthcare, technology, and manufacturing. Furthermore, the research must examine the influence of organisational culture and leadership styles on promoting agile resilience within HR functions, as well as their mediating role in affecting the resilience and adaptability of HR practitioners. Further research is required to examine how modern technologies, such as artificial intelligence, automation, and data analytics, might improve agile resilience in human resource management, along with the potential obstacles and advantages related to their integration.

10. Conclusion

This theoretical study examines the concept of agile resilience and its influence on structuring human resource management. We performed a comprehensive literature review that uncovered numerous significant discoveries. The existing understanding is disjointed, lacks coherence, and is devoid of conceptual clarity, requiring a more comprehensive conceptualisation of agile resilience in human resource management. Furthermore, there is limited empirical data to substantiate the correlation between agile resilience and HRM outcomes. Therefore, there is a necessity for more rigorous and measurable study to determine the validity of the aforementioned reasoning.

Furthermore, the research underscores the need of recognising industry-specific elements that can affect agile resilience, as problems and requirements may vary across sectors. Organisational culture and leadership, albeit insufficiently examined in the literature, are crucial in fostering flexible resilience within HR operations, significantly impacting the profession's adaptability and responsiveness. The use of developing technology, particularly artificial intelligence and automation, inside human resource management (HRM) that exhibits adaptable resilience, is a very potential avenue for future research. To achieve this and maintain our relevance and effectiveness as professionals, we must comprehend how these technologies may be utilised to foster agile resilience and enhance HR service delivery. By adopting these limits and exploring the future research subjects outlined in this paper, both academia and practice can enhance the comprehensive understanding of agile resilience and its applications within Human Resource Management. Furthermore, this can assist human resource professionals and organisations in adapting to the evolving business landscape with agility, resilience, and strategic foresight.

Transparency:

The authors confirm that the manuscript is an honest, accurate, and transparent account of the study; that no vital features of the study have been omitted; and that any discrepancies from the study as planned have been explained. This study followed all ethical practices during writing.

Copyright:

 \bigcirc 2025 by the authors. This open-access article is distributed under the terms and conditions of the Creative Commons Attribution (CC BY) license (<u>https://creativecommons.org/licenses/by/4.0/</u>).

References

- [1] B. Harney and D. G. Collings, "Navigating the shifting landscapes of HRM," *Human Resource Management Review*, vol. 31, no. 4, p. 100824, 2021. https://doi.org/10.1016/j.hrmr.2021.100824
- [2] S. Ajgaonkar, N. G. Neelam, and J. Wiemann, "Drivers of workforce agility: a dynamic capability perspective," International Journal of Organizational Analysis, vol. 30, no. 4, pp. 951-982, 2022. http://dx.doi.org/10.1108/IJOA-11-2020-2507
- [3] M. Q. Alamro, S. B. Hosseini, and A. Farooq, "Organizational agility and HRM practices: Theoretical framework and perspective," *Restaurant Business*, vol. 118, p. 12, 2019.
- [4] F. Azizsafaei, "The role of human resource management in achieving organisational agility," Doctoral Dissertation, Birmingham City University, 2017.
- [5] Y. O. Djogo, "Future-proofing HR: Embracing change and innovation in human resource management," *Journal of Economic, Business and Accounting*, vol. 7, no. 5, pp. 1671-1676, 2024. https://doi.org/10.31539/costing.v7i5.11900
- [6] S. Husen, R. N. Wahidah, and D. Mustajab, "Evolution of HRM strategies in the digital Age: A comprehensive review," *Amkop Management Accounting Review*, vol. 4, no. 1, pp. 42-58, 2024. https://doi.org/10.37531/amar.v4i1.1535
- [7] H. Snyder, "Literature review as a research methodology: An overview and guidelines," *Journal of Business Research*, vol. 104, pp. 333-339, 2019. https://doi.org/10.1016/j.jbusres.2019.07.039
- [8] B. Mauer and J. Venecek, "Writing the literature review," *Strategies for Conducting Literary Research*, p. 2, 2022. https://doi.org/10.1108/IJIS-11-2021-0200
- [9] J. Paul and A. R. Criado, "The art of writing literature review: What do we know and what do we need to know?," International business review, vol. 29, no. 4, p. 101717, 2020. https://doi.org/10.1016/j.ibusrev.2020.101717
- Z. Çakmak, "Adapting to environmental change: The importance of organizational agility in the business landscape," *Florya Chronicles of Political Economy*, vol. 9, no. 1, pp. 67-87, 2023. https://doi.org/10.17932/IAU.FCPE.2015.010/fcpe_v09i1004
- [11] N. R. Moşteanu, "Adapting to the unpredictable: Building resilience for business continuity in an ever-changing landscape," *European Journal of Theoretical and Applied Sciences*, vol. 2, no. 1, pp. 444-457, 2024. https://doi.org/10.59324/ejtas.2024.2(1).37
- [12] M. D. Kadenic and T. Tambo, "Resilience of operating models: exploring the potential of agile project management as enabler," *International Journal of Managing Projects in Business*, vol. 16, no. 3, pp. 521-542, 2023. https://doi.org/10.1108/IJMPB-05-2022-0122
- [13] M. Attar and A. Abdul-Kareem, "The role of agile leadership in organisational agility," Emerald Publishing Limited, 2020, pp. 171-191.
- L. Nargis, B. Brastoro, and M. Fuad, "Agile HR: Adapting human resource practices to rapid business changes," [14] Bussines Journal of Economic, and Accounting, vol. 7, no. 4, pp. 7396-7401, 2024.https://doi.org/10.31539/costing.v7i4.10330
- [15] S. Mendrofa, R. Vittorio, F. Hulu, Q. Aina, and S. Saling, "Fostering organizational resilience through agile leadership: A comparative study analysis," *Global International Journal of Innovative Research*, vol. 2, no. 5, pp. 974-83, 2024. https://doi.org/10.59613/global.v2i5.166
- [16] N. Podgorodnichenko, F. Edgar, and I. McAndrew, "The role of HRM in developing sustainable organizations: Contemporary challenges and contradictions," *Human Resource Management Review*, vol. 30, no. 3, p. 100685, 2020. https://doi.org/10.1016/j.hrmr.2019.04.001
- [17] S. McCartney, C. Murphy, and J. Mccarthy, "21st century HR: A competency model for the emerging role of HR Analysts," *Personnel Review*, vol. 50, no. 6, pp. 1495-1513, 2021.
- [18] A. Arslan, C. Cooper, Z. Khan, I. Golgeci, and I. Ali, "Artificial intelligence and human workers interaction at team level: a conceptual assessment of the challenges and potential HRM strategies," *International Journal of Manpower*, vol. 43, no. 1, pp. 75-88, 2022. https://doi.org/10.1108/IJM-01-2021-0052
- [19] Y. Brunetto and R. Beattie, "Changing role of HRM in the public sector," *Public Management Review*, vol. 22, no. 1, pp. 1-5, 2020.
- [20] B. Kroon and J. Paauwe, "HRM in 21st century small organizations: a midrange typology to describe, contrast and contextualize the phenomenon," *The International Journal of Human Resource Management*, vol. 33, no. 16, pp. 3224-3251, 2022. https://doi.org/10.1080/09585192.2021.1915359
- [21] J. M. Conte, Work in the 21st Century: An introduction to industrial and organizational psychology. John Wiley & Sons, 2024.
- [22] S. Xavier, "Continuous assessment in agile learning using visualizations and clustering of activity data to analyze student behavior," Thesis. MSc. Arizona State University. Tempe, Arizona, USA, 2016.

Edelweiss Applied Science and Technology ISSN: 2576-8484 Vol. 9, No. 4: 2923-2938, 2025 DOI: 10.55214/25768484.v9i4.6699

^{© 2025} by the authors; licensee Learning Gate

- [23] J. McMackin and M. Heffernan, "Agile for HR: fine in practice, but will it work in theory?," *Human Resource Management Review*, vol. 31, no. 4, p. 100791, 2021. https://doi.org/10.1016/j.hrmr.2020.100791
- [24] C. Fagarasan, O. Popa, A. Pisla, and C. Cristea, "Agile, waterfall and iterative approach in information technology projects," presented at the In IOP Conference Series: Materials Science and Engineering (Vol. 1169, No. 1, p. 012025). IOP Publishing, 2021.
- [25] E. Blomkamp, "Systemic design practice for participatory policymaking," *Policy Design and Practice*, vol. 5, no. 1, pp. 12-31, 2022. https://doi.org/10.1080/25741292.2021.1887576
- [26] D. Riani, "Reimagining Human Resource: Redefine Human Resource Management Practices for the Future," Jurnal Riset Bisnis dan Manajemen, vol. 17, no. 1, pp. 149-157, 2024. https://doi.org/10.23969/jrbm.v17i1.12997
- [27] P. Heilmann, R. Forsten-Astikainen, and S. Kultalahti, "Agile HRM practices of SMEs," *Journal of Small Business Management*, vol. 58, no. 6, pp. 1291-1306, 2020. https://doi.org/10.1111/jsbm.12483
- [28] N. Mishra and T. Chakraborty, "Employee engagement perspectives in agile organizations: Managing people in industry 4.0. in agile leadership for industry 4.0." London: Apple Academic Press, 2023, pp. 139-154.
- [29] S. Alavi and H. Aghakhani, "Identifying the effect of green human resource management practices on lean-agile (LEAGILE) and prioritizing its practices," *International journal of productivity and performance management*, vol. 72, no. 3, pp. 599-624, 2023. https://doi.org/10.1108/IJPPM-05-2020-0232
- [30] F. A. Ajayi and C. A. Udeh, "Agile work cultures in IT: A Conceptual analysis of hr's role in fostering innovation supply chain," *International Journal of Management & Entrepreneurship Research*, vol. 6, no. 4, pp. 1138-1156, 2024. https://doi.org/10.51594/ijmer.v6i4.1004
- [31] A. Junita, "Agile HR strategies: Prerequisite of business competitiveness in a dynamic environment," in In Proceedings of the 5th International Conference on Indonesian Social and Political Enquiries, ICISPE 2020, 9-10 October 2020, Semarang, Indonesia. https://doi.org/10.4108/eai.9-10-2020.2304778, 2021.
- [32] S. Moh'd, P. Gregory, L. Barroca, and H. Sharp, "Agile human resource management: A systematic mapping study," *German Journal of Human Resource Management*, vol. 38, no. 4, pp. 345-374, 2024. https://doi.org/10.1177/23970022231226316
- [33] B. N. Chinhoi, "A lean manufacturing implementation framework for improved productivity and efficiency in the sugar industry in Mozambique framework for implementing high-quality, efficient and effective production in the sugar industry zambique," Doctoral Dissertation, 2022.
- [34] M. J. Ahsan, "Cultivating a culture of learning: The role of leadership in fostering lifelong development," *The learning organization*, vol. 32, no. 2, pp. 282-306, 2025. http://dx.doi.org/10.1108/TLO-03-2024-0099
- [35] L. Holbeche, *The agile Organization: How to build an innovative, sustainable and resilient business.* London: KoganPage Publishers, 2015.
- [36] G. Tessarini Junior and P. Saltorato, "Workforce agility: A systematic literature review and a research agenda proposal," *Innovar*, vol. 31, no. 81, pp. 155-167, 2021. https://doi.org/10.15446/innovar.v31n81.95582
- [37] L. S. Mollet and S. Kaudela-Baum, "Critical HR capabilities in agile organisations a cross-case analysis in swiss SMEs," *Review of Managerial Science*, vol. 17, no. 6, pp. 2055-2075, 2023. https://doi.org/10.1007/s11846-022-00570-4
- [38] P. Gibbons, The science of successful organizational change: How leaders set strategy, change behavior, and create an agile culture. London: FT Press, 2015.
- [39] A. M. Carvalho, P. Sampaio, E. Rebentisch, H. McManus, J. Á. Carvalho, and P. Saraiva, "Operational excellence, organizational culture, and agility: bridging the gap between quality and adaptability," *Total Quality Management & Business Excellence*, vol. 34, no. 11-12, pp. 1598-1628, 2023. https://doi.org/10.1080/14783363.2023.2191844
- [40] J. d. S. A. Neto, R. Penha, L. F. da Silva, and I. C. Scafuto, "The importance of leadership in agile projects: Systematic literature review," *Research, Society and Development*, vol. 11, no. 5, p. e44511528117, 2022. https://doi.org/10.33448/rsd-v11i5.28117
- [41] C. Lashley, *Empowerment: HR strategies for service excellence*. London: Routledge, 2012.
- [42] Y. M. Yusoff and H. S. Abdullah, "HR roles and empowering the line in human resource activities: a review and a proposed model," *International Journal of Business and Society*, vol. 9, no. 2, p. 9, 2008.
- [43] B. R. Muñoz, "Empowering voices: Exploring the career trajectories of women of color hr professionals amid disruptive change," Digital Commons @ ACU, Electronic Theses and Dissertations. Paper 753. https://digitalcommons.acu.edu/etd, 2024.
- [44] H. Ongori, "Managing behind the scenes: A viewpoint on employee empowerment," 2009.
- [45] P. Neves, D. Pires, and S. Costa, "Empowering to reduce intentions to resist future change: Organization-based self-esteem as a boundary condition," *British Journal of Management*, vol. 32, no. 3, pp. 872-891, 2021. https://doi.org/10.1111/1467-8551.12436
- [46]F. Elikwu, "Exploring the impact of cross-functional collaboration on organizational mission alignment," Available at
SSRN 3396876, 2019. https://doi.org/10.2139/ssrn.3396876
- S. K. Bishop, "Cross-functional project teams in functionally aligned organizations," *Project Management Journal*, vol. 30, no. 3, pp. 6-12, 1999. https://doi.org/10.1177/875697289903000302

Edelweiss Applied Science and Technology ISSN: 2576-8484 Vol. 9, No. 4: 2923-2938, 2025 DOI: 10.55214/25768484.v9i4.6699 © 2025 by the authors; licensee Learning Gate

- [48] Z. Cui, "Decision making in cross-functional teams: The role of decision power," *Decision Sciences*, vol. 47, no. 3, pp. 492-523, 2016. https://doi.org/10.1111/deci.12188
- [49] R. Kavitha and M. Suresh, "Agile practices in human resource management," presented at the In International Conference on Advances in Materials Research (pp. 713-721). Singapore: Springer Nature Singapore. https://doi.org/10.1007/978-981-15-8319-3_71, 2019.
- [50] S. Lenka and L. P. Singh, "Transforming HR as agile business partner: The case of accenture," A Journal of Decision Making, vol. 19, no. 2, pp. 102-109, 2019. https://doi.org/10.5958/2231-0657.2019.00014.4
- [51] C. Vijai and M. Mariyappan, "Robotic Process Automation (RPA) in human resource functions," Advances In Management, vol. 2023, no. 16, p. 3, 2023. https://doi.org/10.25303/1603aim030037
- [52] C. E. Turcu and C. O. Turcu, "Digital transformation of human resource processes in small and medium sized enterprises using robotic process automation," *International Journal of Advanced Computer Science and Applications*, vol. 12, no. 12, 2021. https://doi.org/10.14569/IJACSA.2021.0121210
- [53] F. Vapiwala and D. Pandita, "Streamlining talent management for modern business through artificial intelligence," presented at the In 2024 ASU International Conference in Emerging Technologies for Sustainability and Intelligent Systems (ICETSIS) (pp. 619-623). IEEE. https://doi.org/10.1109/ICETSIS61505.2024.10459450, 2024.
- [54] S. Deviprasad, N. Madhumithaa, I. W. Vikas, A. Yadav, and G. Manoharan, "The machine learning-based task automation framework for human resource management in MNC companies," *Engineering Proceedings*, vol. 59, no. 1, p. 63, 2023. https://doi.org/10.3390/engproc2023059063
- [55] M. Khan, "Cloud-based human resources solutions: Streamlining employee management," 2023. https://doi.org/10.31219/osf.io/zu95a
- [56] K. L. Webber and H. Y. Zheng, Data analytics and the imperatives for data-informed decision making in higher education. Big data on campus: Data analytics and decision making in higher education. Baltimore, Maryland: John Hopkins University Press, 2020.
- [57] M. Zaitsava, E. Marku, and M. C. Di Guardo, "Is data-driven decision-making driven only by data? When cognition meets data," *European Management Journal*, vol. 40, no. 5, pp. 656-670, 2022. https://doi.org/10.1016/j.emj.2022.01.003
- [58] M. Moinuddin, M. Usman, and R. Khan, "Strategic insights in a data-driven era: Maximizing Business potential with Analytics and AI," *Revista Espanola de Documentacion Científica*, vol. 18, no. 02, pp. 117-133, 2024.
- [59] U. Awan, S. Shamim, Z. Khan, N. U. Zia, S. M. Shariq, and M. N. Khan, "Big data analytics capability and decisionmaking: The role of data-driven insight on circular economy performance," *Technological Forecasting and Social Change*, vol. 168, p. 120766, 2021. https://doi.org/10.1016/j.techfore.2021.120766
- [60] S. Wassell and M. Bouchard, "Rebooting strategic human resource management: integrating technology to drive talent management," *International Journal of Human Resources Development and Management*, vol. 20, no. 2, pp. 93-113, 2020. https://doi.org/10.1504/IJHRDM.2020.106275
- [61] M. Chai, "Design of rural human resource management platform integrating iot and cloud computing," Computational Intelligence and Neuroscience, vol. 2022, no. 1, p. 4133048, 2022. https://doi.org/10.1155/2022/4133048
- [62] B. Cullen, "E-recruiting is driving HR systems integration," *Strategic Finance*, vol. 83, no. 1, p. 22, 2001.
- [63] S. Hofert, The agile mindset: Developing employees, shaping the future of work. Hamburg, Germany: Springer Nature, 2022.
- [64] J. Ramezani and L. M. Camarinha-Matos, "Approaches for resilience and antifragility in collaborative business ecosystems," *Technological forecasting and social change*, vol. 151, p. 119846, 2020.
- [65] K. Eilers, C. Peters, and J. M. Leimeister, "Why the agile mindset matters," *Technological Forecasting and Social Change*, vol. 179, p. 121650, 2022. https://doi.org/10.1016/j.techfore.2022.121650
- [66] N. Ozkan and M. Ş. Gök, "Investigation of agile mindset elements by using literature review for a better understanding of agility," presented at the In 2020 Turkish National Software Engineering Symposium (UYMS) (pp. 1-6). IEEE, 2020.
- [67] L. M. Schriml et al., "The human disease ontology 2022 update," Nucleic Acids Research, vol. 50, no. D1, pp. D1255-D1261, 2022.
- [68] S. Duchek, "Organizational resilience: A capability-based conceptualization," *Business Research*, vol. 13, no. 1, pp. 215-246, 2020. https://doi.org/10.1007/s40685-019-0085-7
- [69] J. Fransman, B. Hall, R. Hayman, P. Narayanan, K. Newman, and R. Tandon, "Beyond partnerships: Embracing complexity to understand and improve research collaboration for global development," *Canadian Journal of Development Studies/Revue canadienne d'études du développement*, vol. 42, no. 3, pp. 326-346, 2021. https://doi.org/10.1080/02255189.2021.1872507
- [70] J. Torfing, D. Cristofoli, P. A. Gloor, A. J. Meijer, and B. Trivellato, "Taming the snake in paradise: combining institutional design and leadership to enhance collaborative innovation," *Policy and Society*, vol. 39, no. 4, pp. 592-616, 2020. https://doi.org/10.1080/14494035.2020.1794749
- [71] L. Holbeche, "Designing sustainably agile and resilient organizations," *Systems Research and Behavioral Science*, vol. 36, no. 5, pp. 668-677, 2019. https://doi.org/10.1002/sres.2624

Edelweiss Applied Science and Technology ISSN: 2576-8484 Vol. 9, No. 4: 2923-2938, 2025 DOI: 10.55214/25768484.v9i4.6699 © 2025 by the authors; licensee Learning Gate

- [72] L. Holbeche, The agile organization: How to build an engaged, innovative and resilient business. London: KoganPage Publishers, 2023.
- [73] H. S. Ismail, J. Poolton, and H. Sharifi, "The role of agile strategic capabilities in achieving resilience in manufacturing-based small companies," *International Journal of Production Research*, vol. 49, no. 18, pp. 5469-5487, 2011. https://doi.org/10.1080/00207543.2011.563833
- [74] M. Lotfi, "Which practices are lean, agile and resilient? Literature review and practitioners' perspective," *International Journal of Advanced Operations Management*, vol. 11, no. 1-2, pp. 142-170, 2019.
- [75] J. McCann and J. W. Selsky, Mastering turbulence: The essential capabilities of agile and resilient individuals, teams and organizations. San Francisco: John Wiley & Sons, 2012.