

Integration of Intellectual, Social and Psychological Capital: A Strategy for the Success of Organizations.

التكامل بين رأس المال الفكري والاجتماعي والنفسي: استراتيجية لنجاح المنظمات

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Abstract: The article investigates the integration of three categories of capital - intellectual, social, and psychological - and their effects on organizational performance and creativity. Employees' intellectual capital includes their knowledge, skills, and abilities, whereas social capital refers to resources acquired from social contacts and networks. Self-efficacy, optimism, hope, and resilience are examples of positive psychological states that comprise psychological capital. The main problem addressed is how to achieve effective integration of these capitals and their contribution to innovation and performance. The sub-questions investigated include the importance of intellectual capital in obtaining competitive advantage, the impact of social capital on collaboration and knowledge sharing, and the influence of psychological capital on employee behavior toward innovation, strategies for integrating these capitals, and their role in adapting to complex environments. The experiences of successful companies like Google, Apple, and Microsoft are examined to provide practical insights. The findings highlight the importance of creating a culture of continuous learning, fostering collaboration, and supporting psychological well-being to promote innovation and improve performance.

Keywords: Intellectual Capital, Social Capital, Psychological Capital, Innovation, Organizational Performance.

JEL classification codes : J24, J41, O16.

1. Introduction

In the face of increasing competitiveness and rapid changes in the global business environment, organizations encounter numerous challenges that require a delicate balance among various forms of available capital. Among these, three primary types of capital stand out as crucial for organizational success and sustainability: intellectual capital, social capital, and psychological capital. Organizational success is dependent not only on the availability of these assets, but also on their effective integration to foster innovation, enhance performance, and improve adaptability to market changes.

Intellectual capital represents the knowledge, skills, and abilities that employees bring to their roles. It also includes the embedded knowledge within the organization's systems, processes, and relationships. Social capital is defined as the resources obtained from social ties and networks that facilitate collaboration and idea-sharing among individuals. Psychological capital, on the other hand, is characterized by individuals' positive psychological state, encompassing self-efficacy, optimism, hope, and resilience.

The primary problem this article addresses is how to achieve effective integration of these three forms of capital within organizations and how this integration can contribute to enhanced innovation and organizational performance. Several sub-questions stem from this main issue:

- How can an organization integrate intellectual, social, and psychological capital?
- How can integrating intellectual, social, and psychological capital contribute to organizational success?

By addressing these questions, this article aims to provide an in-depth understanding of the importance of integrating intellectual, social, and psychological capital as a core strategy for organizational success. The experiences of successful companies like Google, Apple, and Microsoft in implementing this integration will be

reviewed to offer practical insights that other organizations can leverage to enhance their competitive capabilities and achieve their strategic objectives.

2. Organizational Capital

Organizational capital is essential for making each tangible and intangible resource effective. It reinforces the aggregate of physical assets like equipment and homes with intangible assets together with patents, brands, and IT structures to gain effective values.

Dess and Picken (2000) describe organizational capital as "a mixture of sources that consist of institutional techniques, organizational knowledge, and abilities that help in achieving the strategic goals of the company." Sveiby (1997) offers a similar definition, declaring, "Organizational capital consists of the internal structure, which incorporates patents, ideas, fashions, and computer and administrative structures."

Organizational capital has two most important components: tangible and intangible. Tangible organizational capital consists of physical and economic resources that are effortlessly measurable and assist employer operations. Examples consist of physical property like buildings, equipment, gadgets, office resources, and generation hardware (computer systems, servers), as well as economic resources together with coins, investments, different monetary contraptions, stock, and uncooked materials.

Intangible organizational capital, alternatively, encompasses non-physical properties that are critical to an organization's success but are harder to quantify. These consist of human capital (abilities, information, and expertise of employees, management, and management talents), structural capital (inner procedures, systems, organizational workouts, highbrow properties including patents, emblems, proprietary technologies, organizational subculture, and values, databases, and data structures), and relational capital (relationships with clients, providers, partners, other stakeholders, emblem recognition, purchaser loyalty, and networks and

alliances)(Dess & Picken, 2000; Lev, 2000; Sveiby, 1997; Youndt et al., 2004).

In essence, organizational capital is a vital strategy for reaching organizational fulfillment, related to the effective integration of both tangible and intangible sources. By expertise and leveraging those resources, companies can meet their strategic desires and keep an aggressive part in their respective industries.

3. Intangible Organizational Capital

Intangible Organizational Capital is a critical factor of a corporation's universal properties, encompassing non-physical sources that might be critical for lengthy-time period achievement and innovation. It is often classified into three major categories:

3.1. Intellectual Capital

Intellectual capital (IC) is a key resource for activities, selling innovation, and keeping aggressive advantage. It includes the collective information, talents, and reports of employees, as well as the embedded information within the corporation's systems, methods, and relationships. IC has developed over the years and is crucial to diverse organizational additives which include individuals, structures, tactics, and databases (AL-Khatib, 2022; Gogan et al., 2016; Moon & Kym, 2006).

Intellectual capital is divided into three key components: (AL-Khatib, 2022; Corral, 2022; Gogan et al., 2016; Moghadam et al., 2023; Moon & Kym, 2006; Youndt et al., 2004).

Human Capital: This includes the knowledge, skills, and abilities of employees, including their knowledge, competencies, and creativity. Human capital is important because it directly affects organizational performance and innovation capabilities (Nahapiet & Ghoshal, 1998). Exceptional employee talent and intellectual contributions form the core of an organization's intellectual capital (Moghadam et al., 2023).

- a. **Structural Capital:** This consists of the supportive infrastructure, approaches, databases, and organizational abilities that allow human capital to characteristic efficiently. It includes intellectual assets consisting of patents, logos, proprietary technologies, organizational lifestyle, workouts, and approaches(Sveiby, 1997). Structural capital represents the know-how that stays within the organization even when employees go away, ensuring continuity and stability.
- b. **Relational Capital:** This involves the relationships an organization has with its outside stakeholders, such as customers, suppliers, companions, and the broader community. It reflects the organization's reputation, purchaser loyalty, and community of alliances(Moon & Kym, 2006). Relational capital is essential as it determines how effectively an organization can leverage its external resources and relationships to create cost.

3.2. Social Capital

Economists, sociologists, and organizational scientists frequently use the term "social capital" to describe the benefits and sources of social ties and networks. It encompasses the blessings humans benefit from their social connections and interactions (Adler & Kwon, 2002). Individuals with large social networks, various connections, and relationships with human beings from various backgrounds own strong social capital, allowing them to leverage those networks for personal and organizational gain (Adler & Kwon, 2002; Dekker & Uslaner, 2003; Nahapiet & Ghoshal, 1998; Robison et al., 2002; Sözbilir, 2018; Yen et al., 2015).

The impact of social capital on company performance and success has long been stated. Adler and Kwon (2002)identified twenty specific definitions of social capital, highlighting its conceptual variety. Research on social capital varies extensively depending on the field and degree of evaluation (Robison et al., 2002; Sözbilir, 2018). Definitions frequently categorize social capital according to its fundamental elements, history, and meanings(Adler & Kwon, 2002). As a result, social capital is a highly contextualized

and complex notion that emphasizes the value of interactions and relationships(Robison et al., 2002).

Empirical research has shown that social capital substantially influences organizational improvement strategies (Ghashghaeizadeh, 2016). Recent research additionally demonstrated the huge effect of social organizational features on personnel's creative actions (Ahmed et al., 2019). In service industries, there's an advised superb courting between social capital and managers' creative conduct(Corrall, 2022). At its core, social capital is about the price generated for people and corporations via networks and interactions, bringing collectively human beings with distinct reviews, values, skills, and backgrounds to exchange records, understanding, and thoughts(Corrall, 2022; Dekker & Uslaner, 2003; El, 2019; Robison et al., 2002; Sözbilir, 2018; Tamer et al., 2014).

Social capital is largely about reciprocal blessings. Through social relationships, individuals can get admission to external assets consisting of data and know-how, compensating for any loss of sources (Ghashghaeizadeh, 2016). Social capital may be quantified using two key indices: the framework of social networks and the utilization of social ties(Luthans & Youssef, 2004).

Nahapiet and Ghoshal (1998)divide social capital into three distinct dimensions:

- a. **Relational Dimension:** This focuses on the nature of personal relationships shaped via interactions, encompassing factors thatinclude respect, friendship, and behavioral impacts. In enterprise networks, this dimension examines the linkages, behavior, attitudes, and agree between firms, characterizedby high ranges of agreement with, shared norms, responsibilities, and identity among individuals.
- b. **Structural Dimension:**This deals with the broader structure and relationships of the social system, and focuses on the networks of interaction between individuals and their place in the community.

- c. **Cognitive Dimension:** This includes shared representations, interpretations, and structures of meaning among events, inclusive of shared language, codes, and the potential to share information. The cognitive dimension enables common information about shared goals and appropriate behaviors inside the social machine.

These dimensions offer a complete know-how of the dynamics and assets embedded in social capital, contributing to the general organizational gain by way of fostering cooperation, trust, and mutual benefit among employees and outside stakeholders.

3.3. Psychological Capital

Psychological capital (PsyCap) is based on positive psychological capital and emphasizes positive ways to manage human resources (Ahmed et al., 2019; Luthans et al., 2004; Margaça et al., 2023; Sridevi & Srinivasan, 2012; Widhayani et al., 2023). PsyCap is more than human capital (knowledge) and social capital (relationships) encompassing an individual's positive mental state of development which includes self-efficacy, hope, optimism, and resilience (Luthans et al., 2007).

- a. **Self-Efficacy:** Based on Bandura's social cognitive theory (Adler & Kwon, 2002), self-efficacy is the belief that an individual can complete a task in a given situation. Those who are highly self-efficacious set challenging goals, choose challenging tasks, perform at a high level, and persist despite obstacles (Luthans et al., 2007). They tend to work independently and achieve their goals with little outside help.
- b. **Optimism:** Snyder and Lopez (2001) Optimism is a quality of thinking in which pleasant events are seen as the consequence of personal efforts, and unpleasant events due to temporary constraints. (Kruglanski & Higgins, 2013; Luthans et al., 2007). Optimists expect positive outcomes, while pessimists expect negative outcomes (Margaça et al., 2023). Optimistic individuals are less likely to believe that failure or crime will happen again, and maintain motivation and perseverance even in the face of

challenges(Margaça et al., 2023; Şimşek & Aktaş, 2016; Sridevi & Srinivasan, 2012).

- c. **Hope:**Defined by using Snyder and Forsyth (1991), hope is a high-quality and motivational state primarily based on intention achievement and locating pathways to reach these desires (Luthans et al., 2004). Hope involves willpower and the drive to reach goals, with a connection to an internal locus of control. Individuals with high hope believe in their capacity to influence outcomes and maintain high intrinsic motivation, psychological well-being, and life satisfaction(Jalil et al., 2023).
- d. **Resilience:**Resilience is the ability to get better from adversity, pressure, or sudden demanding situations(Avey et al., 2006). It involves adaptive responses such as dealing positively with adverse situations, self-repair after setbacks, and readiness to cope with future challenges(Cascio & Luthans, 2014). Resilient individuals demonstrate good performance even in difficult environments (Luo et al., 2021; Luthans et al., 2007).

Psychological capital is an important resource for reinforcing human useful resource control and basic organizational overall performance. By fostering self-efficacy, optimism, desire, and resilience amongst employees, agencies can construct a body of workers able to overcome challenges and accomplish high degrees of performance and innovation.

4. Integration of Intellectual, Social, and Psychological Capital

Intellectual capital, social capital, and psychological capital are three key types of assets that organizations possess. Intellectual capital is the knowledge, skills, and abilities that employees bring to bear in their roles.(Ahmed et al., 2019). Conversely, Chitsazan et al. (2017)describe social capital as comprising “a variety of different resources such as ties and obligations which stem from relationships of mutual acquaintance and recognition.” Psychological capital, as defined byLuthans et al. (2007), is an individual's positive

psychological state characterized by self-efficacy, optimism, hope, and resilience.

Synergy emanates from the integration of all three forms of capital to foster innovation and performance. The foundation for innovation is provided by intellectual capital which represents knowledge, expertise, and ability to innovate (Chitsazan et al., 2017). Leverage through networks and relationships is what social capital does best as it supports collaboration and idea-sharing (Yen et al., 2015). Encouragement to take on challenging goals, a positive outlook about outcomes, and resilience during difficult situations are among the ways of cultivating psychological capital (Luthans & Youssef, 2004). It has been argued that psychological well-being is a driving force behind employees' innovative behavior in organizations as it shapes their attitudes toward innovative actions (Ahmed et al., 2019; AL-Khatib, 2022). Other, (Yen et al., 2015) found that social capital facilitates the creation and sharing of intellectual capability, which ultimately leads to improved organizational performance.

5. Integration of Intellectual, Social, and Psychological Capital as Strategies for Organizational Success

Due to the dynamic nature of the modern business world, enterprises must be able to utilize and merge intellectual capital, social capital, and psychological capital without any hitch. Intellectual capital is an organization's basis and it includes knowledge, expertise and innovation. (Chitsazan et al., 2017). It fosters continuous learning, innovation, and effective problem-solving that lead to competitive advantage in firms (Ahmed et al., 2019).

While intellectual capital concentrates on internal aspects within an organization, social capital complements this by improving relationships between individuals within a group as well as groups themselves (Bhunia & Shome, 2023). These relationships are used for teamwork effectiveness high trust levels creation and the exchange of creative ideas in the organization (Bhunia & Shome,

2023). Sözbilir (2018) argues that strong social capital increases creativity and adaptability since it helps in the proper utilization of intellectual resources.

Individuals' attitudes and behaviors within organizations are influenced by their psychological capital made up of self-efficacy; resilience; hope; and optimism among others (Luthans et al., 2007). This means that employees having strong psychological capitals exhibit proactive behaviors such as embracing challenges hence persisting in attaining organizational goals.

Organizations can foster innovation, increase employees' commitment and ultimately improve performance and compete better by integrating mental, social, and human capital (Ahmed et al., 2019; AL-Khatib, 2022; Chitsazan et al., 2017). Besides boosting internal capabilities, this approach helps in positioning organizations to become adaptive in complex and highly competitive markets.

These sources help us understand the role of intellectual, social, and psychological capital in organizational success and resilience.

6. Some Experiences of Successful Companies

6.1. Google (Alphabet Inc.):

Google is famous for its innovative spirit and strongly emphasizes the utilization of intellectual capital embodied in the form of advanced technologies, mathematical calculations, and know-how information processing. The company supports a social capital structure that enables personnel to work across different groups and functions leading to innovation (Bock, 2015). Also, Google focuses on psychological capital by applying the so-called "Google 20% time" that enables employee creativity and passion (Achor, 2011).

6.2. Apple Inc.

Through originality in the development of its items and technology, alongside the wisdom of clients, Apple is coherent in deploying its

intellectual capital. Organizationally, and socially, Apple also encourages employees, suppliers, and developers collaboration which improves its supply chain and interactions with its customers (Lashinsky, 2012). From the psychological perspective, the leadership of Apple is reflected by the application of resilience and optimism, for instance, the corporate culture of the visionary leadership of Steve Jobs, and the company's capacity to bounce back from a bad situation (Kahney, 2009).

6.3. Microsoft Corporation

Microsoft integrates intellectual capital through its software, cloud services, and artificial intelligence. Organizationally and socially, Microsoft encourages and supports knowledge and learning for all its staff globally, hence creating, sharing, and learning knowledge (Cusumano & Selby, 1998). From a psychological point of view, through the development of its leadership programs and organizational culture, Microsoft strengthens the beliefs of its employees to achieve the company goals and to overcome all the challenges that can appear during their work.

7. Discussion

The findings from the integration of intellectual, social, and psychological capital reveal significant implications for organizational success and innovation. This discussion synthesizes these insights, addressing the main problem and the sub-questions posed at the outset.

7.1. Contribution of Intellectual Capital to Competitive Advantage

Intellectual capital, which includes employees' knowledge, skills, and abilities, is critical for innovation and retaining a competitive advantage. Organizations leveraging intellectual capital can foster continuous learning and effective problem-solving, essential for sustaining competitive advantage. For instance, Google's emphasis on advanced technologies and information processing highlights how

intellectual capital can drive organizational success by supporting a culture of innovation and expertise.

7.2.Role of Social Capital in Collaboration and Knowledge Exchange

Social capital enhances internal and external relationships, facilitating collaboration and the exchange of creative ideas. Strong social networks within organizations, as seen in Apple's collaborative environment, promote teamwork and trust, which are crucial for effective communication and idea sharing. This collaboration is instrumental in utilizing intellectual resources efficiently, leading to increased creativity and adaptability.

7.3.Influence of Psychological Capital on Innovation

Psychological capital, characterized by self-efficacy, optimism, hope, and resilience, significantly influences employees' attitudes and behaviors toward innovation. Employees with high psychological capital are more likely to embrace challenges, maintain a positive outlook, and persist in achieving organizational goals. The resilience and optimism demonstrated by Apple, particularly under Steve Jobs' leadership, underscore the importance of psychological capital in fostering a proactive and motivated workforce.

7.4.Strategies for Integrating Intellectual, Social, and Psychological Capital

Effective integration of these three types of capital necessitates strategic activities that foster synergies. Organizations must build conditions that promote ongoing learning (intellectual capital), collaboration (social capital), and pleasant psychological states (psychological capital). For example, Microsoft's global knowledge-sharing practices and leadership development programs illustrate how integrating these capitals can enhance organizational capabilities and drive performance.

7.5.Adaptation to Complex and Competitive Environments

Integrating intellectual, social, and psychological capital enables organizations to become more adaptive and resilient in complex and competitive markets. By fostering innovation, enhancing employee commitment, and improving overall performance, this integration helps organizations navigate market challenges and seize opportunities. The success stories of Google, Apple, and Microsoft demonstrate how such integration positions companies to thrive in dynamic business environments.

7.6.Implications for Organizational Practice

The effective integration of intellectual, social, and psychological capital has several practical implications for organizations. Firstly, fostering a culture that values continuous learning and knowledge sharing can drive innovation and problem-solving. Secondly, building strong social networks within and outside the organization enhances collaboration and idea exchange. Thirdly, supporting employees' psychological well-being through initiatives that boost self-efficacy, optimism, hope, and resilience can lead to a more motivated and productive workforce.

Organizations should also invest in leadership development programs that reinforce these values and create supportive environments that encourage risk-taking and resilience. Additionally, leveraging technology to facilitate knowledge sharing and collaboration can further enhance the integration of these capitals.

8. Conclusion

The integration of intellectual, social, and psychological capital is crucial for achieving organizational success and maintaining a competitive edge. By fostering a culture of continuous learning, enhancing collaboration, and supporting psychological well-being, organizations can drive innovation, improve performance, and adapt to market changes. The experiences of companies like Google, Apple, and Microsoft provide valuable insights into how this

integration can be effectively achieved and leveraged for sustained success. Future research should continue to explore the dynamic interplay between these forms of capital and their impact on organizational outcomes, providing further guidance for practitioners aiming to enhance their competitive capabilities.

References

- Achor, S. (2011). *The Happiness Advantage The Seven Principles Of Positive Psychology That Fuel Success And Performance At Work*-pohyi. ga.
- Adler, P. S., & Kwon, S.-W. (2002). Social capital: Prospects for a new concept. *Academy of management review*, 27(1), 17-40. <https://doi.org/10.5465/amr.2002.5922314>
- Ahmed, A., AlZgool, M. R. H., Abro, Z., Ahmed, U., & Memon, U. (2019). Understanding the nexus of intellectual, social and psychological capital towards business innovation through critical insights from organizational culture. *Humanities & Social Sciences Reviews*, 7(5), 1082-1086.
- AL-Khatib, A. W. (2022). Intellectual capital and innovation performance: the moderating role of big data analytics: evidence from the banking sector in Jordan. *EuroMed Journal of Business*, 17(3), 391-423. <https://doi.org/10.1108/EMJB-10-2021-0154>
- Avey, J. B., Patera, J. L., & West, B. J. (2006). The implications of positive psychological capital on employee absenteeism. *Journal of leadership & organizational studies*, 13(2), 42-60. <https://doi.org/10.1177/10717919070130020401>
- Bhunia, A. K., & Shome, M. K. (2023). Interrelation between personality characteristics and social capital in formation of entrepreneurial intention: A conceptual framework. *International Journal of Professional Business Review: Int. J. Prof. Bus. Rev.*, 8(3), 12. <https://doi.org/10.26668/businessreview/2023.v8i3.1124>
- Bock, L. (2015). *Work rules!: Insights from inside Google that will transform how you live and lead*. Twelve.
- Cascio, W. F., & Luthans, F. (2014). Reflections on the metamorphosis at Robben Island: The role of institutional work and positive psychological capital. *Journal of Management Inquiry*, 23(1), 51-67. <https://doi.org/10.1177/1056492612474348>
- Chitsazan, H., Bagheri, A., & Yusefi, A. (2017). Intellectual, psychological, and social capital and business innovation: the moderating effect of organizational culture. *Iranian Journal of Management Studies*, 10(2), 307-333. <https://doi.org/10.22059/ijms.2017.215054.672249>
- Corrall, S. (2022). Key Concepts in Intellectual and Social Capital and Networks: A Biblio-Glossary for the Social Future of Academic Libraries.

- Cusumano, M. A., & Selby, R. W. (1998). *Microsoft secrets: how the world's most powerful software company creates technology, shapes markets, and manages people*. Simon and Schuster.
- Dekker, P., & Uslaner, E. M. (2003). *Social capital and participation in everyday life*. Routledge.
- Dess, G. G., & Picken, J. C. (2000). Changing roles: Leadership in the 21st century. *Organizational dynamics*, 28(3), 18-34. [https://doi.org/10.1016/S0090-2616\(00\)88447-8](https://doi.org/10.1016/S0090-2616(00)88447-8)
- El, i. (2019). *The effects of psychological capital and social capital on nurses' work engagement and burnout* [Middle East Technical University].
- Ghashghaeizadeh, N. (2016). Study of relationship between psychological capital and social capital among women teachers. *Journal of Educational and Management Studies*, 6(1), 9-12.
- Gogan, L. M., Artene, A., Sarca, I., & Draghici, A. (2016). The impact of intellectual capital on organizational performance. *Procedia-Social and Behavioral Sciences*, 221, 194-202. <https://doi.org/10.1016/j.sbspro.2016.05.106>
- Jalil, M. F., Ali, A., & Kamarulzaman, R. (2023). The influence of psychological capital and social capital on women entrepreneurs' intentions: the mediating role of attitude. *Humanities and Social Sciences Communications*, 10(1), 1-14. <https://doi.org/10.1057/s41599-023-01908-3>
- Kahney, L. (2009). *Inside Steve's brain*. Penguin.
- Kruglanski, A. W., & Higgins, E. T. (2013). *Social psychology: Handbook of basic principles*. Guilford Publications.
- Lashinsky, A. (2012). *Inside Apple: How America's most admired--and secretive--company really works*. Hachette UK.
- Lev, B. (2000). *Intangibles: Management, measurement, and reporting*. Rowman & Littlefield.
- Luo, C.-Y., Tsai, C.-H., Chen, M.-H., & Gao, J.-L. (2021). The effects of psychological capital and internal social capital on frontline hotel employees' adaptive performance. *Sustainability*, 13(10), 5430. <https://doi.org/10.3390/su13105430>
- Luthans, F., Avolio, B. J., Avey, J. B., & Norman, S. M. (2007). Positive psychological capital: Measurement and relationship with performance and satisfaction. *Personnel psychology*, 60(3), 541-572. <https://doi.org/10.1111/j.1744-6570.2007.00083.x>
- Luthans, F., Luthans, K. W., & Luthans, B. C. (2004). Positive psychological capital: Beyond human and social capital. <https://doi.org/10.1016/j.bushor.2003.11.007>
- Luthans, F., & Youssef, C. M. (2004). Human, social, and now positive psychological capital management: Investing in people for competitive advantage. <https://doi.org/10.1016/j.orgdyn.2004.01.003>
- Margaça, C., Sánchez García, J. C., & Hernández Sánchez, B. (2023). Psychological capital and entrepreneurship: A systematic literature review of a

- growing research agenda. *Intangible Capital*, 19(2), 276-295. <https://doi.org/10.3926/ic.2196>
- Moghadam, H. M., Salehi, M., & Hajiha, Z. (2023). The relationship between intellectual capital and financial statements readability: The role of management characteristics. *Journal of Facilities Management*, 21(2), 221-241. <https://doi.org/10.1108/JFM-08-2021-0088>
- Moon, Y. J., & Kym, H. G. (2006). A model for the value of intellectual capital. *Canadian Journal of Administrative Sciences/Revue Canadienne des Sciences de l'Administration*, 23(3), 253-269. <https://doi.org/10.1111/j.1936-4490.2006.tb00630.x>
- Nahapiet, J., & Ghoshal, S. (1998). Social capital, intellectual capital, and the organizational advantage. *Academy of management review*, 23(2), 242-266. <https://doi.org/10.2307/259373>
- Robison, L. J., Schmid, A. A., & Siles, M. E. (2002). Is social capital really capital? *Review of social economy*, 60(1), 1-21. <https://doi.org/10.1080/00346760110127074>
- Şimşek, E., & Aktaş, H. (2016). Is psychological capital a form of emotional intelligence? A research on university students. International Conference on Contemporary Issues in Education 2016,
- Snyder, C. R., & Forsyth, D. R. (1991). *Handbook of social and clinical psychology: The health perspective*. Pergamon Press.
- Snyder, C. R., & Lopez, S. J. (2001). *Handbook of positive psychology*. Oxford university press.
- Sözbilir, F. (2018). The interaction between social capital, creativity and efficiency in organizations. *Thinking Skills and Creativity*, 27, 92-100. <https://doi.org/10.1016/j.tsc.2017.12.006>
- Sridevi, G., & Srinivasan, P. (2012). Psychological capital: a review of evolving literature. <https://doi.org/10.4038/cbj.v3i1.47>
- Sveiby, K. E. (1997). *The new organizational wealth: Managing & measuring knowledge-based assets*. Berrett-Koehler Publishers.
- Tamer, İ., Dereli, B., & Sağlam, M. (2014). Unorthodox forms of capital in organizations: positive psychological capital, intellectual capital and social capital. *Procedia-Social and Behavioral Sciences*, 152, 963-972. <https://doi.org/10.1016/j.sbspro.2014.09.351>
- Widhayani, S. P., Fodor, Z., & Dunay, A. (2023). *The Intersection of Psychological Capital, Social Capital, and Pro-Environmental Behavior* ICM,
- Yen, Y.-F., Tseng, J.-F., & Wang, H.-K. (2015). The effect of internal social capital on knowledge sharing. *Knowledge Management Research & Practice*, 13(2), 214-224. <https://doi.org/10.1057/kmrp.2013.43>
- Youndt, M. A., Subramaniam, M., & Snell, S. A. (2004). Intellectual capital profiles: An examination of investments and returns. *Journal of Management studies*, 41(2), 335-361. <https://doi.org/10.1111/j.1467-6486.2004.00435.x>