

Current Studies in Social Sciences IX

Editor

Yelda DURGUN ŞAHİN



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PREFACE

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Chapter 1

STRATEGIC PERSPECTIVE ON SUPPLY CHAIN RISK MANAGEMENT: A CRITICAL REVIEW

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Ahmet Şükrü PAMPAL²

INTRODUCTION

In today's rapidly changing business environment, where globalization and technological advancements have become the norm, effectively managing supply chain risks has become crucial for organizational resilience and continued success (Um and Han, 2021). Supply chain plays a crucial role in global trade. It is essential to understand supply chain management clearly to achieve better economic, operational, and environmental performance for organizations, sectors, regions, and countries. A comprehensive approach to the supply chain brings different types of risks that can pose a threat to the whole operation (Gurtu and Johny, 2021).

To analyze the intricate relationship between supply chain dynamics and organizational strategy, this study draws upon the foundational principles of risk management theory (RMT) and strategic management theory (SMT). RMT provides a framework for identifying, assessing, and mitigating risks within the supply chain, emphasizing the importance of proactive measures in minimizing disruptions (Korablev et al., 2020). Additionally, SMT guides our exploration of how organizations align their supply chain risk management practices with broader corporate strategies to gain a competitive advantage (Henry, 2021). By integrating these two theoretical perspectives, we aim to offer a complete comprehension of how organizations strategically approach supply chain risk management.

This review critically evaluates the effectiveness of current frameworks and strategies for controlling supply chain risks in addressing strategic problems. Furthermore, it explores how companies incorporate supply chain risk

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chain integration. Similarly, the analysis of social sustainability as a moderating element in SCRM highlights the significance of comprehensive approaches to risk management that considers wider societal effects.

In addition, these findings highlight the constantly changing nature of supply chain risks, especially when confronted with new obstacles like cybersecurity dangers, market fluctuations, and environmental sustainability issues. The creation of frameworks and methodologies to evaluate and reduce these risks demonstrates a forward-thinking approach to fortifying resilience and flexibility.

In conclusion, the study research emphasizes the crucial significance of efficient risk management practices in supply chains. Through identifying crucial factors that affect supply chain risks and examining strategies for reducing them, researchers are able to strengthen organizational performance, resilience, and competitiveness. The results underline the requirement for a thorough and unified approach to supply chain risk management, which includes technological advancements, sustainable practices, and strategic alliances.

As we look to the future, organizations must prioritize investments in SCRM capabilities and cultivate collaboration among stakeholders to address the ever-evolving challenges and uncertainties. Drawing on insights from academic research and implementing best practices, businesses can fortify their supply chain resilience and position themselves for sustained success in an increasingly intricate and dynamic global environment.

REFERENCES

- Alkhudary, R., Brusset, X. & Fenies, P. (2020). Blockchain and risk in supply chain management. *In Dynamics in Logistics: Proceedings of the 7th International Conference LDIC 2020*, Bremen, Germany, 159-165. Springer International Publishing.
- Bai, B., Gao, J. & Lv, Y. (2021). Linking marketing and supply chain management in the strategy of demand chains via a review of literature. *Management Research Review*, 44(9), 1263-1276.
- Ellram, L. M., Tate, W. L. & Billington, C. (2004). Understanding and managing the services supply chain. *Journal Supply Chain Management*, 40(3), 17-32.
- Durst, S., Svensson, A. & Edvardsson, I. R. (2020). The Management of Supply Chain Risks: Some Initial Insights. *In IFKAD 2020 Matera*, Italy, 1134-1142.
- Fischer-Prefßler, D., Eismann, K., Pietrowski, R., Fischbach, K. & Schoder, D. (2020). Information technology and risk management in supply chains. *International Journal of Physical Distribution & Logistics Management*, 50(2), 233-254.
- Foli, S., Durst, S., Davies, L. & Temel, S. (2022). Supply chain risk management in young and mature SMEs. *Journal of Risk and Financial Management*, 15(8), 328.
- Gurtu, A., & Johny, J. (2021). Supply chain risk management: Literature review. *Risks*, 9(1), 16.

- Thomas, R. W., Clifford Defee, C., Randall, W. S., & Williams, B. (2011). Assessing the managerial relevance of contemporary supply chain management research. *International Journal of Physical Distribution & Logistics Management*, 41(7), 655-667.
- Krystofik, M., Valant, C. J., Archbold, J., Bruessow, P., & Nenadic, N. G. (2020). Risk assessment framework for outbound supply-chain management. *Information*, 11(9), 417.
- Munir, M., Jajja, M. S. S., Chatha, K. A., & Farooq, S. (2020). Supply chain risk management and operational performance: The enabling role of supply chain integration. *International Journal of Production Economics*, 227, 107667.
- Naslund, D., & Williamson, S. (2010). What is management in supply chain management? - A critical review of definitions, frameworks and terminology. *Journal of Management Policy and Practice*, 11(4), 11-28.
- Niyonsaba, H. H., Höhler, J., Van der Fels-Klerx, H. J., Slijper, T., Alleweldt, F., Kara, S., ... & Meuwissen, M. P. M. (2023). Barriers, risks and risk management strategies in European insect supply chains. *Journal of Insects as Food and Feed*, 9(6), 691-705.
- Qiao, R. & Zhao, L. (2023). Highlight risk management in supply chain finance: effects of supply chain risk management capabilities on financing performance of small-medium enterprises. *Supply Chain Management*, 28(5), 843-858.
- Rashid, A., Rasheed, R., Ngah, A. H., Pradeepa Jayaratne, M. D. R., Rahi, S. & Tunio, M. N. (2024). Role of information processing and digital supply chain in supply chain resilience through supply chain risk management. *Journal of Global Operations and Strategic Sourcing*.
- Shahid, M. I., Hashim, M., Baig, S. A., Manzoor, U., Rehman, H. U. & Fatima, F. (2023). Managing supply chain risk through supply chain integration and quality management culture. In *Supply Chain Forum*, 1-13. Taylor & Francis.
- Snyder, H. (2019). Literature review as a research methodology: An overview and guidelines. *Journal of Business Research*, 104, 333-339.
- Stevens, G. C. (1989). Integrating the supply chain. *International Journal of physical distribution & Materials Management*, 19(8), 3-8.
- Um, J. & Han, N. (2021). Understanding the relationships between global supply chain risk and supply chain resilience: the role of mitigating strategies. *Supply Chain Management*, 26(2), 240-255.

Chapter 2

ANALYZING THE INTEGRAL ROLE OF FINANCIAL REPORTING IN BUSINESS SUCCESS

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Ahmet Şükrü PAMPAL³

INTRODUCTION

In the rapidly evolving business environment, financial reporting is a crucial component for ensuring transparent and accountable corporate governance. It provides essential information that organizations, investors, and other stakeholders rely on to make informed decisions. Financial reporting significantly influences perceptions, decisions, and strategies within the dynamic business landscape (Revsine et al., 2021). The literature on financial reporting spans a variety of topics, including financial performance evaluation, transparency, and accountability (Purnama et al., 2020). Evaluating the impacts of financial reporting on companies necessitates consideration of diverse perspectives within the literature. Some researchers highlight the role of financial reporting in fostering investor confidence, enhancing corporate reputation, and improving transparency, while others critique it for potential manipulation and misrepresentation of a company's true situation (Barauskaite and Streimikiene, 2021).

The significance of financial reporting for businesses has gained considerable attention in both the corporate and academic realms. This article seeks to contribute constructively to this ongoing discussion by critically examining the existing literature on the effects of financial reporting on businesses. The review aims to navigate the complex landscape of financial reporting, underscoring its importance for organizations, investors, and other stakeholders. By critically

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of internal controls, and the frequency of financial audits, transparency can be heightened, and governance standards can be enhanced. These studies offer valuable insights into the relationship between financial reporting and business performance, underscoring the importance of high-quality financial reporting in shaping strategic decisions and improving processes. In order to drive effective business strategies, it is imperative for businesses to consider the impacts of financial reporting on their overall performance.

REFERENCES

- Arianpoor, A. & Sahoor, Z. (2022). The impact of business strategy and annual report readability on financial reporting quality. *Journal of Asia Business Studies*, (ahead-of-print).
- Ashok, M. L. & MS, D. (2020). Extensible business reporting language and its impact on financial reporting and auditing. *Pacific Business Review International*, 12(8), 35-46.
- Barauskaite, G. & Streimikiene, D. (2021). Corporate social responsibility and financial performance of companies: The puzzle of concepts, definitions and assessment methods. *Corporate Social Responsibility and Environmental Management*, 28(1), 278-287.
- Bini, L., Schaper, S., Simoni, L., Giunta, F. & Nielsen, C. (2023, April). Mandatory non-financial disclosure: is everybody on the same page about business model reporting?. In *Accounting Forum* (Vol. 47, No. 2, pp. 198-222). Routledge.
- Chen, L., Hu, F., Krishnan, A. & Li, L. Z. (2022). Business Strategy, Financial Reporting Violations, and Audit Pricing in an Emerging Market—Evidence from China. *Journal of International Accounting Research*, 21(3), 47-72.
- Galeone, G., Onorato, G., Shini, M. & Dell'Atti, V. (2023). Climate-related financial disclosure in integrated reporting: what is the impact on the business model? *The case of Poste Italiane. Accounting Research Journal*, 36(1), 21-36.
- Hassan, A., Elamer, A. A., Lodh, S., Roberts, L. & Nandy, M. (2021). The future of non-financial businesses reporting: Learning from the Covid-19 pandemic. *Corporate Social Responsibility and Environmental Management*, 28(4), 1231-1240.
- Headd, B. (2003). Redefining business success: Distinguishing between closure and failure. *Small business economics*, 21, 51-61.
- Hua, S. C., Hla, D. T. & Isa, A. H. M. (2016). Malaysia financial reporting practices and audit quality promote financial success: The case of Malaysian construction sector. *UNIMAS Review of Accounting and Finance*, 1(1), 15.
- Jonas, G. J. & Blanchet, J. (2000). Assessing quality of financial reporting. *Accounting horizons*, 14(3), 353.
- Kalantonis, P., Delegkos, A. E., Sotirchou, E. & Papagrigoriou, A. (2022). Modern business development and financial reporting: Exploring the effect of corporate governance on the value relevance of accounting information—Evidence from the Greek listed firms. *Operational Research*, 22(3), 2879-2897.
- Lamprecht, C. & van Wyk, H. A. (2022). Annual Financial Reporting: A Quantitative Analysis of the Temporal Going Concern Status during Business Rescue Proceedings. *Southern African Business Review*, 26, 31-pages.
- Mazumdar, A. & Regunathan, R. (2020). Enterprise Reporting Solution on Integrating Business Intelligence for Operational and Financial Data. In *Intelligent Manufactur-*

- ing and Energy Sustainability: Proceedings of ICIMES 2019 (pp. 799-807). Springer Singapore.
- Nobes, C. (2020). A half-century of Accounting and Business Research: the impact on the study of international financial reporting. *Accounting and Business Research*, 50(7), 693-701.
- Patel, P. C., Tsionas, M. G. & Guedes, M. J. (2022). Benford's law, small business financial reporting, and survival. *Managerial and Decision Economics*, 43(8), 3301-3315.
- Pham, Q. T., Truong, T. H. D., Ho, X. T. & Nguyen, Q. T. (2022). The role of supervisory mechanisms in improving financial reporting quality by Vietnam public non-business unit. *Cogent Business & Management*, 9(1), 2112538.
- Popova, T. N., Dyachenko, Y. K., Brizitskaya, A. V., & Denisova, E. S. (2020, March). Initiatives for promotion of public non-financial reporting based on the concept of sustainable development to the business community of Russia. In *International Scientific Conference "Far East Con" (ISCFEC 2020)* (pp. 2495-2500). Atlantis Press.
- Poretti, C., Jérôme, T. & Heo, C. Y. (2023). Business strategies and financial reporting complexity in hospitality firms. *International Journal of Hospitality Management*, 110, 103429.
- Purnama, O., Hanitha, V. & Angreni, T. A. (2020). Financial Statement Analysis to Assess Company Financial Performance. *eCo-Fin*, 2(3), 168-174.
- Revsine, L., Collins, D. W. & Johnson, W. B. (2021). *Financial reporting & analysis*. McGraw-Hill.
- Tajuddin, T. S. & Muhammad, I. (2021). Business zakat reporting: Evidences from the Islamic financial institutions. In *Contemporary Issues in Islamic Social Finance* (pp. 234-245). Routledge.

Chapter 3

CULTURAL NARRATIVES OF TARKONDİMOTOS' ANAVARZA

Begüm Sultan ÜNSAL¹

INTRODUCTION

“This was the smell of the Anavarza cliffs. Bees, lizards, partridge chicks, nests, eagle nests, rattlesnakes, arrow snakes also smelled like this. It is a pleasant, sweet, anaesthetic smell in this spring sun. Rain on the cliffs of Anavarza also smells different, it smells of wet rock.”
(Yaşar Kemal, 2020: 8)

Anavarza Castle, located right in the middle of Çukurova, is a historical ancient city that contains many historical artifacts that are still waiting to be discovered under the ground. In this place, which is referred to as the Ancient City of Anavarza in the studies; theaters, churches, baths, water cisterns, walls, mosaic structures are spread over 143 acres of land. In the light of the research, it is known that there are also structures 30 meters below the ancient city. Along with the structures of the ancient city, which still needs to be discovered, its legends should be told, and studies should be carried out on it.

When we look at the historical structure of the ancient city of Anavarza, it gained importance during the Roman Empire and became one of the important ancient cities of Çukurova today. It is in the northeast of Adana, 75 kilometers away from Adana, 8 km north of where the Sumbas and Kesik water, which feeds Ceyhan, meets the Ceyhan River, at the junction of Kadirli, Ceyhan and Kozan districts, within the borders of Kozan. Anavarza Castle is located on the eastern slope of the Late Antique City of Anavarza, right in the middle of Çukurova, on the rocky cliff dominating the city, and due to its location, the castles and the Gulf of Iskenderun can be seen from here (Hançer, 2016, p.281).

Located on a majestic limestone in the center of Cilicia Pedia, right next to the late city of Anavarza, Anavarza Fortress has a strategic position that can be clearly

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REFERENCES

- Buyruk, H. (2015). Gertrude Bell'den günümüze fotoğraflarla Anavarza, *Güzel Sanatlar Enstitüsü Dergisi* (33), 177-216.
- Çelik, F. (2023). Anavarza: Kör karanlıkta ışığı görmek, Available at: <https://www.art-izan.org/> (accessed 16.04.2024).
- Emrahoğlu, P. (2016). Anavarza, Available at: <https://www.altinsehiradana.com/> (accessed 24.04.2024).
- Gough, M. (1952). *Anazarbus*, *Anatolien Studies* (2) 85–150, Ankara.
- Hançer, E (2016). The second capital of the armenian principality of cilicia: Anavarza, *Adalya*, 19, 281-312.
- Kartarı, A. (2017). Nitel düşünce ve etnografi: etnografik yöntem düşünsel bir yaklaşım. *Moment Dergi*, 4 (1), 207-220.
- Kemal, Y. (1980). *Yusuçuk Yusuf*. İstanbul: Tekin Yayınevi.
- Özgen, H.M (2009). *Anadolu'da Roma Dönemi ve tak biçimli kent kapıları*. Doktora Tezi. İstanbul Üniversitesi, İstanbul.
- Taşdelen, V. (2009). Towards ancient cities. *Hece*, 150, 22-36.
- Texier, C. (1862). *L'Univers, histoire et description de tous les peuples*. Asie Mineur. Paris.

Chapter 4

ANALYZING THE VALIDITY OF EKC HYPOTHESIS FOR G7 COUNTRIES

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INTRODUCTION

The collecting of data on variables is a crucial stage in economic research. Ensuring the credibility of predictions relies on the meticulous collection of data from trustworthy sources, adhering precisely to the established model. Three prevalent data collection techniques are employed in econometric analysis. Time series data, one of the data collection techniques, refers to data that captures the fluctuations of variables over time, typically measured in units such as days, months, or seasons. Another data collection technique, cross-sectional data, is data that is gathered from various units at certain time intervals. Panel data, another data collection technique, refers to the collection of observations on multiple units over a specific time period. Panel data analysis provides the benefit of investigating both the cross-sectional disparities among units and the temporal evolution of a specific unit (Baltagi, 1995; Hsiao, 1986). Panel data comprises many units, each seen on at least two occasions (Stock & Watson, 2020).

An illustration of panel data includes the wheat production levels of the provinces in Turkey from 1980 to 2015, as well as the count of employees engaged in the manufacturing sector over the period from 1986 to 2017 (Tatoğlu,2022). The panel data for the period 1970-2016 encompassed the ecological footprint values of OECD nations in our analysis.

^{*} V. International Liberty Interdisciplinary Studies Conference (February 05-06 2024/ New York) kongresinde bildiri olarak sunulmuştur.

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Nevertheless, the square of LGDP has a detrimental impact with a negative coefficient. This so validates the Environmental Kuznets Curve (EKC) concept. Thus, it can be observed that the coefficients of the gross domestic product, which will determine the credibility of the environmental Kuznets curve hypothesis for the model, are statistically significant. The results of the fixed effect models for the G7 country group confirm the accuracy of the EKC theory.

This research confirms the validity of the inverted-U-shaped relationship between economic growth and income inequality, as suggested by Greenwood and Jovanovic (1990), in the G-7 economies, which are developed countries. The study has determined that the classical Kuznets Curve theory, which is also examined in this research, is a viable hypothesis for the economies of G7 countries.

REFERENCES

- Al-Mulali, U., Weng-Wai, C., Sheau-Ting, L. & Mohammed, A. H. (2015). Investigating the environmental Kuznets curve (EKC) hypothesis by utilizing the ecological footprint as an indicator of environmental degradation. *Ecological indicators*, 48, 315-323.
- Asteriou, D. & Hall, S. G. (2021). *Applied econometrics*. Bloomsbury Publishing.
- Baltagi, B. H. (1995). *Econometric analysis of panel data*, John Wiley. Sons Ltd.
- Destek, M. A., Ulucak, R. & Dogan, E. (2018). Analyzing the environmental Kuznets curve for the EU countries: the role of ecological footprint. *Environmental science and pollution research*, 25, 29387-29396.
- Gujarati, D. N. (2021). *Essentials of econometrics*. Sage Publications.
- Gündüz, F. F., Akay, Ö., Gündüz, S. & Dölekoğlu, C. Ö. (2020). Determination of the factors affecting cotton export of Turkey: A panel gravity model approach. *The Academic Elegance*, 7(13), 547-564.
- Hsiao, C. (1986). *Analysis of panel data*. New York: Cambridge Univ. Press.
- Hsiao, C. (2022). *Analysis of panel data (No. 64)*. New York: Cambridge University Press.
- Karlılar, S. (2019). *Kadın işgücüne katılımı ve ekonomik büyüme ilişkisinin u şekilli kadımlaştırma hipotezi ile incelenmesi: gelişmiş ve gelişmekte olan ülkeler için bir analiz*. Master's thesis, Çukurova University Institute of Social Science, Adana.
- Kıl, M. (2023). *Evaluation of the hypothesis "Environmental Kuznets Curve" in the groups of the selected countries: A panel data analysis*. Master's thesis, Fırat University Institute of Social Science, Elazığ.
- Kıral, G. & Çelik, C. (2018). Panel veri analizi ve kümeleme yöntemi ile Türkiye'de konut talebinin incelenmesi. *Atatürk Üniversitesi İktisadi ve İdari Bilimler Dergisi*, 32(4), 1009-1026.
- Kuznets, S. (2019). Economic Growth and Income Inequality. In *The Gap Between Rich and Poor*, Routledge.
- Maddala, G. S. (2001). *Introduction to econometrics*. England: John Wiley and Sons. West Sussex.
- Majeed, M. T. & Mazhar, M. (2019). Financial development and ecological footprint: a global panel data analysis. *Pakistan Journal of Commerce and Social Sciences (PJCSS)*, 13(2), 487-514.

- Stern, D. I. (2004). The Rise and fall of the environmental kuznets curve. *World Development*, 32(8), 1419-1439.
- Stock, J. H. & Watson, M. W. (2020). *Introduction to econometrics*. Pearson.
- Tatođlu, F. Y. (2021). *Panel veri ekonometrisi: stata uygulamalı, geliřtirilmiř*. 6. Baskı, İstanbul: Beta Yayınları.
- Topuz, S. G. & Dađdemir, Ö. (2016). *Ekonomik büyüme ve gelir eřsitsizliđi iliřkisi: Kuznets ters-u hipotezi'nin geçerliliđi*. *Eskiřehir Osmangazi Üniversitesi İktisadi ve İdari Bilimler Dergisi*, 11(3), 115-130.
- Wooldridge, J. M. (2010). *Econometric analysis of cross section and panel data*. Mit Press.

Chapter 5

SOCIAL AND CULTURAL INFLUENCES IN AGING: THEORETICAL AND PRACTICAL APPROACHES

Selman BÖLÜKBAŞI¹
Hayriye ELBİ²

INTRODUCTION

Aging is an inevitable reality of life for every individual. Developments in technology have led to noticeable decreases in birth and death rates, resulting in longer life spans and, consequently, an increase in the number and proportion of older individuals in the population. This has contributed to the aging of the general population.

As the level of development in countries increases, so does the proportion of elderly people in their populations. Countries that recognize the problems of the elderly are making necessary arrangements to provide them with better living conditions. Among the issues faced by the elderly, their mental state, social environment, and cultural structure can be influential. Understanding the effects of these variables on elderly individuals is crucial for minimizing their psychosocial and cultural problems, enabling them to continue living in their own environment, fostering a stronger connection to life, and thus preserving their mental health.

AGING

Aging should not be considered merely as a change in appearance. It also involves withdrawal from society, introversion, and the emergence of problems in bodily functions (Yıldırım & Yıldırım, 2008). It can be categorized generally into chronological, biological, psychological, social, and economic aging (Dogan, 2007).

* This chapter is derived from the master's thesis titled "Socioeconomic and sociocultural characteristics of the elders applying for social aid: A comparative study".

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Issues Related to Population Exchange

The term “exchange” refers to the mutual relocation of populations between countries under an international agreement. Individuals who undergo this migration are called “exchangers” (Koçak & Terzi, 2012).

An example of such an exchange is the migration between Greece and Türkiye following the Treaty of Lausanne. This agreement caused several issues on both sides, including settlement, movable and immovable properties, demographic, socio-economic, and established (resident) problems. Additionally, the protocol clause stating, “The compulsory exchange of Turkish nationals of the Greek Orthodox religion residing in Turkish territory and Greek nationals of the Muslim religion residing in Greek territory will commence on May 1, 1923,” indicates that the change was religious rather than ethnic (Convention and Protocol Concerning the Exchange of Greek and Turkish Populations, 1923, 1923). As a result of this clause, not only Turks but also Albanians and other Muslims came to our country as exchangers, leading to ethnic, cultural, and language issues.

From the perspective of the exchangers, many individuals experienced psychological trauma due to leaving their birthplaces and migrating to a new country (Bozdağlıoğlu, 2014). Elderly individuals were forced to adapt to a new language, culture, traditions, customs, a new country, a new life, and a new settlement. This sudden change affected their mental state, causing culture shock or leading them to withdraw into themselves when faced with a different culture.

REFERENCES

- Akın, G. (2004). İnsanın ortaya çıkışı ve toplumsal davranışları. In V. Kalınkara, *yaşlılık: Disiplinler arası yaklaşım, sorunlar, çözümler*. Ankara: Odak Yayınları.
- Aksungur, U. (2010). *Kent kültürünün oluşmasında ve canlandırılmasında somut olmayan kültürel miras unsurları: Edirne örneği*. Ankara: Kültür ve Turizm Bakanlığı Araştırma ve Eğitim Genel Müdürlüğü.
- Arpacı, F. (2005). *Farklı boyutlarıyla yaşlılık*. Ankara: Türkiye İşçi Emeklileri Derneği Eğitim ve Kültür Yayınları.
- Arslan, E. (2008). *Bağlanma stilleri açısından ergenlerde erikson'un psikososyal gelişim dönemleri ve ego kimlik süreçlerinin incelenmesi*. Doktora tezi, Selçuk Üniversitesi Sosyal Bilimler Enstitüsü, Konya.
- Aslan, D. (2004). *Aktif Yaşlanma kavramı*. Hacettepe Üniversitesi Tıp Fakültesi Halk Sağlığı Anabilim Dalı: Available at: http://www.turkgeriatri.org/sorulariniza_yanitlar.php?pg=aktif#content. (accessed 17.04.2014).
- Aslantürk, Z. & Amman, T. (2001). *Sosyoloji- kavramlar kuramlar süreçler teoriler*. İstanbul: Çamlıca Yayınları.
- Bal, H. (2008). *Kent sosyolojisi*. Isparta: Fakülte Kitabevi.

- Bayraktar, B. (2004). Başarılı yaşlanma. III. *Ulusal Geriatri Kongresi*, Available at: http://www.turkgeriatrivakfi.org.tr/veri.php?git=icerik&pa=sayfa_goster&pid=42&cid=44/ (accessed 5.10.2008).
- Bilir, N. (2004). *Yaşlanan toplum*. Hacettepe Üniversitesi Tıp Fakültesi Halk Sağlığı Anabilim Dalı, Available at: <http://turkgeriatri.org/pdfler/YaslananToplum.pdf>. (accessed 17.04.2014).
- Bozdağlıoğlu, Y. (2014). Türk-Yunan nüfus mübadelesi ve sonuçları. *Türkiye Sosyal Araştırmalar Dergisi TSA*, 18(3), 9-32.
- Ciprut, H. (1997). *İstanbul kentinde farklı sosyoekonomik – kültürel düzeylerde yaşlılık ile ilgili sorunlar*. İstanbul Üniversitesi Sağlık Bilimleri Enstitüsü, İstanbul.
- Convention & Protocol Concerning the Exchange of Greek and Turkish Populations, (1923). *Convention and protocol concerning the exchange of Greek and Turkish populations, 1923*. Lausanne.
- Cüceloğlu, D. (1999). *İnsan ve davranışı*. İstanbul: Remzi Kitabevi.
- Çalışkan, Z. (2007). *Kanser hastalarında tedaviye yönelik karar verme sürecinde desteğin önemi*. İzmir: Ege Üniversitesi Sağlık Bilimleri Enstitüsü.
- Çevik, N. K. (1997). Türk mutfağının, Akdeniz mutfak kültürünün genel özellikleri yönünden değerlendirilmesinin önemi. In 5. *Milletlerarası Türk Halk Kültürü Kongresi Maddi Kültür Sektör Sempozyum Bildirileri*. Ankara: Kültür Bakanlığı HAGEM Yayınları.
- Demirbilek, S. (2005). *Sosyal güvenlik sosyolojisi*. İstanbul: Legal Yayıncılık.
- Doğan, C. (2007). Türkiye’de yaşlılık ve huzurevi olgusu. In M. F. Bayraktar, *Yaşlılık dönemi ve problemleri*. İstanbul: Ensar Neşriyat.
- Emiroğlu, V. (1995). *Yaşlılık ve Yaşlının sosyal uyumu*. Ankara: Şafak Matbaacılık.
- Er, D. (2009). Psikososyal açıdan yaşlılık. *Fırat Sağlık Hizmetleri Dergisi*, 4, 131-144.
- Eren, G. (2008). *Türkiye’de yerel ve küresel kültür politikaları “kültür bakanlığı örneği”*. Yüksek lisans tezi, Kırıkkale Üniversitesi Sosyal Bilimler Enstitüsü, Kırıkkale.
- Gökdağ, R. (2002). Yaşlılık ve yaşlılarla yaşanan sorunlar. In D. Gökdağ, *Aile psikolojisi ve eğitimi*. Eskişehir: Anadolu Üniversitesi Yayınları.
- Gürbüz, S. (2006). Kırdan kente zorunlu göçün nedenleri ve sonuçları. In *Uluslararası Göç Sempozyumu 8-11 Aralık 2005*, pp. 211-214. İstanbul.
- Güvenç, B. (1993). Kültürel süreçler. In M. Zillioğlu, *Antropoloji (İnsanbilimi)*. Eskişehir: Anadolu Üniversitesi Açıköğretim Fakültesi Yayınları.
- Kamal, A. & Brocklehurst, J. C. (1983). *A colour Atlas of geriatric medicine, medical economics books*. Weert/ Netherlands: Wolfe Medical Publications.
- Kansu, M. (2012). *Çocuk istismarı ve ihmali üzerine bir derleme*. İstanbul: Mutlu Yuva Mutlu Yaşam Derneği.
- Karaeminogullari, A., Dogan, A. & Bozkurt, S. (2009). Kültürlerarası Adaptasyon envanteri (cross cultural adaptability inventory-CCAI) üzerine bir araştırma. *Süleyman Demirel Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi*, 14(1), 331-349.
- Kayahan, S. (1970). *İhtiyarlamanın biyolojisi ve ihtiyarlığın klinik özellikleri*. İstanbul: İstanbul Üniversitesi Cerrahpaşa Tıp Fakültesi Yayınları.
- Kayıklık, H. (2003). *Orta yaş ve yaşlılıkta dinsel eğilimler*. Adana: Baki Kitabevi.
- Kılavuz, M. A. (2003). *Yaşlanma dönemi din eğitimi*. Bursa: Arasta Yayınları.
- Kılıç, E. & Sanlier, N. (2007). Üç kuşak kadınının beslenme alışkanlıklarının karşılaştırılması. *Kastamonu Eğitim Dergisi*, 15(1), 31-44.
- Kısa, C. (2005). *Carl Gustav Jung’da din ve bireyleşme süreci*. İzmir: İlahiyat Vakfı Yayınları.

- Koçak, Y. & Terzi, E. (2012). Türkiye’de göç olgusu, göç edenlerin kentlere olan etkileri ve çözüm önerileri. *Kafkas Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi*, 3(3), 163-184.
- Kösoglu, N. (1992). *Milli kültür ve kimlik*. İstanbul: Ötüken Yayınları.
- Kurt, G. (2008). *Türkiye’de Yaşlılık olgusuna sosyolojik bir bakış (Sivas İl örneği)*. Yüksek lisans tezi, Sivas Cumhuriyet Üniversitesi Sosyal Bilimler Enstitüsü. Sivas.
- Kurt, I. (2000). *Yetişkin eğitimi*. Ankara: Nobel Yayın Dağıtım.
- Lirio, P. (2007). Exploring career-life success and family social support of successful women in Canada, Argentina and Mexico. *Career Development International*, 12(1), 35.
- Metin, A., Ozmete, E., Kocaoglu, Y., Kumtepe, H., Sahin, A. F. & Celik, G. (2012). *18-24 Mart Yaşlılara Saygı Haftası Kuşaklararası Dayanışma ve Aktif Yaşlanma Sempozyumu Bildirileri*. Ankara: Grafer Tasarım Baskı Ambalaj.
- Onur, B. (2006). *Gelişim Psikolojisi- yetişkinlik, yaşlılık, ölüm*. Ankara: İmge Kitapevi.
- Özmen, S. Y. (2013). Türk kültüründe yaşlının yeri ve medyayla yaşlılığın değişen konumu. *Millî Folklor*, 25(100), 110-119.
- Savery, L. (1988). The Influence of social support on the reaction of an employee. *Journal of Managerial Psychology*, 3(1), 27.
- Şentepe, A. (2009). *Yaşlılık döneminde temel problemler ve dini başa çıkma*. Yüksek lisans tezi, Marmara Üniversitesi Sosyal Bilimler Enstitüsü, İstanbul.
- Tallman, I. (1976). *Passion, action and politics. a perspective on social problems and social problem solving*. San Fransisco: Freeman.
- Taşkesen, C. G. (2012). *Türkiye’de yaşlılık ve evde yaşlı bakımı: Resmi Karar ve uygulamaların yerinde tespiti (Isparta ili araştırması)*. Yüksek lisans tezi, Süleyman Demirel Üniversitesi Sosyal Bilimler Enstitüsü, Isparta.
- Tezcan, M. (1984). *Sosyal ve kültürel değişme*. Ankara: Ankara Üniversitesi Yayınları.
- TMMOB İnşaat Mühendisleri Odası Web Sitesi. (2007). “Türkiye’de Konut sorunu ve konut ihtiyacı” raporu. Available at: http://www.imo.org.tr/resimler/dosya_ekler/9ca6617c167713d_ek.pdf? tipi=4&turu=H&sube=0, (accessed 20.08.2014).
- Tufan, I. (2007). *Birinci Türkiye yaşlılık raporu*. Antalya: GeroYayıncılık.
- Yıldırım, K. (2007). *Sosyal hizmet*. Sakarya: Sakarya Yayıncılık.
- Yıldırım, N. & Yıldırım, K. (2008). *Sosyal Hizmete giriş*. Sakarya: Sakarya Yayıncılık.
- Zastrow, C. & Kirst-Ashman, K. K. (2009). *Understanding human behavior and the social environment*. Belmont: Brooks/Cole Cengage Learning.

Chapter 6

SCIENCE TEACHERS' TENDENCY TO USE SOME TEACHING METHODS AND TECHNIQUES

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Eren SARAÇ²

INTRODUCTION

In teaching programmes based on constructivist learning theory, teaching strategies in which students are active are adopted. Teaching methods and techniques appropriate to these strategies should be used in teaching activities. When the teaching methods used in science teaching are examined, there are two types as “teacher-centred” and “student-centred” (Çepni et al. 2005). It was observed that in the science programmes, which were renewed based on constructivist theory, methods that make the teacher active such as lecture, question-answer, demonstration were emphasised less, and student-centred methods and techniques such as problem solving, project, cooperative learning, role-playing, discussion, laboratory, project, excursion-observation, brainstorming were emphasised more and recommended to be used more frequently (MoNE, 2006). When the latest science curriculum is examined, like the previous curricula, student-centred teaching activities such as problem, project, argumentation, collaborative learning, classroom / in-school and out-of-school learning environments, research-inquiry based learning, science, engineering and entrepreneurship practices should be used (MoNE, 2018).

The teacher is the person who directs the teaching process, ensures that the teaching is effective and complete, and at the same time affects the attitudes and behaviours of the students towards the lesson and is an important element because he/she is the main individual who provides learning in the classroom environment and outside the school. In the teaching process, the quality and personality of the teacher is very important (Sönmez, 2007). In addition, in the

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In addition to the methods and techniques used in this study, current research should be conducted on the frequency of use of new methods and techniques by science teachers and their use should be encouraged instead of traditional teaching methods and techniques.

REFERENCES

- Akgün, S. (2001). *Science teaching*. Giresun: Pegema Publishing.
- Akkuş, H. & Kadayıfçı, H. (2007). An evaluation of the in-service training course on laboratory use. *Journal of Gazi Faculty of Education*, 27 (1), 179-193.
- Aksoy, B. (2003). Application of problem-solving method to environmental education. *Pamukkale University Journal of Educational Sciences*, 14 (2), 83-98.
- Aktaş, A. (2006). *The conformity of learning and teaching experiences in the 4th and 5th grade science program with teaching principles*. (Unpublished master thesis), Inonu University, Malatya.
- Aktepe, V. & Aktepe, L. (2009). Student views on teaching methods used in science and technology teaching: Kırşehir BİLSEM case. *Journal of Gazi University Kırşehir Faculty of Education*, 10, 69-80.
- Aricı, A. F. (2010). Strategies, Methods and Techniques Used in Turkish Language Teaching, Available at: <http://edergi.atauni.edu.tr/ataunisobil/article/download/1020000322/1020000317> (accessed 08.04.2024).
- Arnavut, İ. & Çirkinoglu Şekercioğlu, A. G. (2023, June 20-23). *Educational digital game design and application on 7th grade light absorption and colour formation subject*. [Oral presentation] *3rd International Conference on Educational Technology and Online Learning*, Balıkesir, Türkiye.
- Atasoy, Ş., Tekbiyık, A., Çalık, M. & Yılmaz Tüzün, Ö. (2022). Development of argumentation-based concept cartoons in socio-scientific subjects: the case of science and art centres. *Education and Science*. 47(211), 323-367.
- Atasoy, Ş., Ergin, S. & Şen, A. İ. (2014). The effects of peer instruction method on attitudes of 9th grade students towards physics course, *Eurasian Journal of Physics and Chemical Education*. 6(1), 88-98.
- Aycan, D. (2008). *The importance of travelling-observation method in biology teaching and its place among other teaching methods*. (Unpublished master thesis), Gazi University, Ankara.
- Aydede, M. N., Çağlayan, Ç., Matyar, F. & Gülnaz, O. (2006). Evaluation of science and technology teachers' views on the teaching methods and techniques they use. *Çukurova University Journal of Faculty of Education*, 2, 32, 24-33.
- Ayvacı, H. Ş. & Bülbül, S. (2022). Investigation of the effect of computer-based activities on modelling skills of secondary school students. *Abant İzzet Baysal University Journal of Faculty of Education*, 22(1), 226-262.
- Binler, A. İ. (2007). *Science teachers' tendency to use teaching method techniques*. (Unpublished master thesis), Kafkas University, Kars.
- Bolat, A. & Karamustafaoğlu, S. (2021). Teaching Mass and Weight Concepts: Prediction-Observation-Explanation. *Journal of National Education*, 50(230), 663-687.
- Büyükkaragöz, S. S. & Çivi, C. (1998). *General teaching methods, 8th Edition*, Öz Eğitim Printing and Publishing Distribution, Konya, p. 78.

- Büyükkaragöz, S. S. & Çivi, C. (1999). *General teaching methods, planning and application in teaching*, 10th Edition, Beta Printing and Publishing Distribution, İstanbul, p. 70.
- Çağlı, A., & Sivacı, S. Y. (2020). Investigation of postgraduate theses on quantum learning in Turkey. *Turkish Journal of Academic Publications*, 4(1), 31-54.
- Çepni, S. (2005). *Science and technology teaching from theory to practice*, 4th Edition, Ankara: Pegem A Publishing.
- Çepni, S. & Çil, E. (2010). *Science and technology programme primary education 1st and 2nd level teacher's handbook*. Ankara: Pegem Publishing.
- Çıbık, A. (2006). *The effect of project-based learning approach on students' logical thinking skills and attitudes in science course*. (Unpublished master thesis), Çukurova University, Adana.
- Çınar, D. (2007). *The effect of problem-based learning approach on higher-order thinking skills and academic risk-taking level in elementary science education*. (Unpublished master thesis), Selçuk University, Konya.
- Çilenti, K. (1985). *Science education technology*, Kadioğlu Printing Press, 231, Ankara.
- Çirkinoğlu Şekercioğlu, A. G. & Yılmaz Akkuş, G. (2019). The effect of drama method on 7th grade students' achievement in solar system and beyond: space riddle unit. *Abant İzzet Baysal University Journal of Faculty of Education*, 19(1), 125-145.
- Çirkinoğlu Şekercioğlu, A. G. & Demirci, N. (2009). The effect of peer teaching method on university students' achievement and attitudes towards electrostatics. *e-Journal of New World Sciences Academy-Education Sciences*, 4(1), 240-256.
- Deligöz, T., & Han Tosunoğlu, Ç. (2023). Middle and high school science teachers' conceptions of STEM education. *Journal of Science Teaching*, 11(2), 489-507.
- Demirel, Ö. (1998). *Programme development in education*, 6th Edition, Ankara: Pegem A Publishing, s. 151.
- Demirel, Ö. (2008). *Programme development in education*. Ankara: Pegema Publishing.
- Diñ Bilgin, S., & Zorlu, Y. (2023). The effect of 2d and 3d technology-supported modelling-based teaching on students' academic achievement and 21st century skills in "pure matter and mixtures" unit. *Erzincan University Journal of Faculty of Education*, 25(4), 601-616.
- Doğan, K. (2008). *The effect of project-based learning on the success of teaching concepts about cell*. (Unpublished Master Thesis), Afyon Kocatepe University, Afyonkarahisar.
- Doğanay, A. (2007). *Teaching principles and methods*, Pegema Publishing, Ankara.
- Doğru, M. & Aydoğdu, M. (2003). Students' opinions about the problems encountered in the methods used in science teaching. *Pamukkale University Journal of Faculty of Education*, 13, 15-29.
- Ertuğ, A. (2007). *The effect of traditional and travelling-observation teaching on the learning of the subject of biosphere life units in the biosphere taught in high school 2nd grade biology course*. (Unpublished master thesis), Selçuk University, Konya.
- Filiz, S.B. (2002). *The effect of teaching on question-answer method on teachers' question asking level and techniques*. (Unpublished Master Thesis), Gazi University, Ankara.
- Gögebakan, Y. (2009). Comparison of demonstration method and travel-observation method in art history teaching in terms of retention of knowledge. *Journal of Gazi Faculty of Education*, 28 (2), 197-220.
- İmer, N. (2008). *The effect of project-based learning approach on students' academic achievement and attitude in primary science and technology teaching*. (Unpublished master thesis), Gazi University, Ankara.

- Kalaycı, Ş. (2009). *SPSS Applied Multivariate Statistical Techniques*. Ankara: Asil Publisher.
- Kaptan, F. (1999). *Science Teaching*, İstanbul: M.E.B. Publications.
- Karacaoğlu, Ö. C. & Acar, E. (2010). Problems faced by teachers in the implementation of the renewed programmes. *Yüzüncü Yıl University Journal of Faculty of Education*, 7 (1), 45-58.
- Karamustafaoğlu, O. (2006). Science and technology teachers' level of using teaching materials: The case of Amasya province. *AÜ. Journal of Bayburt Faculty of Education*, 1(1), 90-101.
- Karamustafaoğlu, S. & Ertuğrul, A. (2022). The effectiveness of prediction-observation-explanation method in teaching the Earth's movements. *Social Sciences Studies Journal*. 6(61), 1744-1757.
- Karasar, N. (2006). *Scientific Research Method*. Ankara: Nobel Publication Distribution.
- Keser, K. İ. (2008). *The effect of project-based learning approach on achievement, attitude and permanent learning in science course*. (Unpublished master thesis), Eskisehir Osmaniye University, Eskişehir.
- Kutlu, O. & Aldağ, H., (2005), *Instructional technology and material development*, Lisans Publishing, İstanbul, s. 53-72.
- MoNE, (2005). Primary Science and Technology Curriculum and Guidelines. Ankara: MoNE Publishing House.
- MoNE, (2006). *General Qualifications for Teaching Profession*. Ankara: General Directorate of Teacher Training and Education.
- MoNE, Board of Education and Discipline (2006). *Primary Science and Technology Curriculum*, Ankara: MoNE Publishing House.
- MoNE (2018). *Science Curriculum for Primary Education Institutions (Elementary and Middle Schools) (Grades 3, 4, 5, 6, 7, and 8)*. Ankara: MoNE Publishing House.
- OECD, (2009). *Creating effective teaching and learning environments: first results from TALIS*. Paris: OECD Publication.
- Oktaylar, H. C. (2008). *KPSS Educational Sciences for Teacher Candidates*. Ankara: Yargı Publisher.
- Okur, M., & Koca Akkuş, B. (2021). The effect of game-based learning in science education on students' attitude towards science course: a meta-analysis study. *Journal of Computer and Education Research*, 9(17), 327-352.
- Önder, K. (2007). *The effect of laboratory method on student achievement in teaching 6th grade science and technology lesson "reproduction, growth and development in living things" unit*. (Unpublished master thesis), Selçuk University, Konya.
- Önen, F., Saka, M., Erdem, A., Uzala, G. & Gürdal, A. (2008). Determination of the change in the knowledge of science teachers participating in HIE Seminar about teaching techniques: Tekirdağ case. *Ahi Evran University Journal of Kırşehir Faculty of Education (KEFAD)*, 9 (1), 45-57.
- Özay, E. (2003). *The effect of travelling-observation method on student achievement in secondary geography education and teaching and its comparison with other teaching methods*, (Unpublished master thesis), Marmara University, İstanbul.
- Özkan, İ. (2009). *The effect of travelling-observation and investigation method on student achievement in 6th grade resources of our country unit*, (Unpublished master thesis), Abant İzzet Baysal University, Bolu.

- Öztürk, A. (2008). *The effect of project-based learning method on the achievement level of 7th grade primary school students in teaching "journey to the internal structure of matter" unit*, (Unpublished master thesis), Selçuk University, Konya.
- Saban, A. (2000). *Learning and teaching process*. Ankara: Nobel Publications.
- Saraç, E. (2015). *Investigation of science and technology teachers' tendency to use some teaching methods and techniques*, (Unpublished master thesis), Balıkesir University, Balıkesir.
- Sönmez, V. (2007). *Teaching principles and methods*. Ankara: Anı Publishing.
- Sungur Gül, K., Saylan Kırmızıgül, A., & Ates, H. (2022). A literature review on STEM education in primary and secondary education: The case of Turkey. *Western Anatolian Journal of Educational Sciences*, 13(1), 544-568.
- Şahin, S., Atasoy, B. & Sonyürek, S. (2010). Case study method in teacher education. *Gaziantep University Journal of Social Sciences*, 9 (2), 253-277.
- Şevik, Y., & Yıldırım, H. E. (2024). Pre-Service teachers' views about the lessons carried out according to the argumentation method supported by concept cartoons. *International Journal of Global Education*, 13(1), 16-30.
- Talaz, G. (2013). *Classroom teachers' implementation of active learning activities in science and technology course*, (unpublished master thesis), Dokuz Eylül University, İzmir.
- TALIS. (2010). MEB International Survey of Teaching and Learning, Turkey National Report [Online]. (18Haziran2014),http://digim.meb.gov.tr/uaorgutler/OECD/TALIS_tr_Rapor.pdf.
- Taşkoyan, S. N. (2008). *The effect of inquiry learning strategies on students' inquiry learning skills, academic achievement and attitudes in science and technology teaching*, (Unpublished master thesis), Dokuz Eylül University, İzmir.
- Telli, A., Yıldırım, H. İ., Şensoy, Ö. & Yalçın, N. (2004). The Effect of Laboratory Method on Student Achievement in Teaching Simple Machines Subject in Primary School 7th Grades. *Gazi Journal of Faculty of Education*, 24 (3), 291-305.
- Türkoğlu, A. İflazoğlu, A. & Karakuş, M. (2007). *Homework in primary education*. İstanbul: Morpa Publishing.
- Tonbul, C. (2001). *The effects of cooperative learning on satisfaction, achievement and retention in English language course and students' opinions about cooperative learning practices*, (Unpublished master thesis), Dokuz Eylül University, İzmir.
- Uluçınar Ş., Doğan, A. & Kaya, O. N. (2008). Classroom teachers' views on science teaching and laboratory practices. *Kastamonu Education Journal*, 16 (2), 485-494.
- Ünsal, Y. & Moğol, S. (2007). Evaluation of students about problem solving method in physics teaching. *Dokuz Eylül University Buca Faculty of Education Journal*, 21, 80-88.
- Yıldırım, A., Şekercioğlu, A. G., & Yıldırım, H. E. (2018). The effect of drama-supported teaching on 8th grade science students' achievements and attitudes towards "chemical bonds". *Balıkesir Journal of University Institute of Science and Technology*, 20(2), 255-272.
- Yıldırım, K. (2011). Teaching practices in science and technology courses at the second level of primary education in Turkey according to international research data, *Turkish Journal of Science Education*, 8(1), 159-174.
- Yılmaz, Ö. (2017). Science teachers' preferred teaching strategies, methods and techniques: pre-service science teachers' opinions. *Iğdır University Journal of Social Sciences* (12), 493-510.

- Yurttepe, S. (2007). *The effect of project-based learning on student achievement in primary science course*, (Unpublished master thesis), Osman Gazi University, Eskişehir.
- Yurtyapan, E. & Çirkinöđlu Şekerciođlu, A. G. (2024). Determination of secondary school fifth-grade students' misconceptions about friction force using concept cartoons. *Technology, Innovation and Special Education Research Journal*, 4(1), 61-82.

Chapter 7

PREDICTORS OF MARITAL SATISFACTION: PERFECTIONISM, FORGIVENESS, HAPPINESS AND BIG FIVE PERSONALITY TRAITS

**Sezen GÜLEÇ¹
Bilge UZUN²**

INTRODUCTION

Ninety per cent of the world's population marry at least once in their lives and most of them expect their marriages to last happily (Shackelford et al., 2002). However, in reality, only one third of marriages last a lifetime and two thirds end in divorce (Caarls, K. & de Valk, 2018; Coşkun & Sarlak, 2020; Whisman et al., 1997). While research studies on marriage have been going on for many years, the topics that researchers have addressed about marriage have been changing in recent years. As the divorce rate increases, researchers are interested in the factors that may be related to the longevity of marriages and marital satisfaction (Levenson et al., 1993).

In recent years, marital satisfaction is one of the most frequently analysed topics in the marital literature. Marital satisfaction, which includes the personal evaluation of the marital relationship, is defined as a process that is affected by changes over time (Sano, 2001). Theorists focus on two different perspectives, relational and personal, to understand marital dynamics. Accordingly, the personal dimension includes variables such as personality traits, cognitive and emotional formation, while the relational dimension includes variables such as communication, happiness, interpersonal similarities and differences (Whisman et al., 1997).

* This study is derived from the first author's master's thesis. Presented at 13th National Psychological Counselling and Guidance Congress as an oral presentation.

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in detail in the data collection section, was used as a precaution, this created a limitation. If the study adopts a cross-sectional design, it may limit the ability to establish causal relationships between research variables. Longitudinal studies would provide stronger evidence of causality. Reliance on self-report measures for variables may introduce response biases and social desirability effects, impacting the validity of the results. Participants may underreport experiences due to social stigma or personal discomfort, leading to an underestimation of the true prevalence and severity of these issues. Another limitation of the study is that in marital adjustment research, data collected from spouses are generally paired; however, this application was not preferred in this study because it could reduce the sample size and affect the validity of the study. The fact that no significant difference was found between education level, number of children, and marital satisfaction may suggest that a significant portion of the sample consists of individuals with a bachelor's degree and those with two children. This topic could be studied with more equally distributed samples regarding these variables. In this study, the data of married individuals were not matched with those of their spouses, and some participants' spouses were not included in the research. This study can be replicated by matching the data of spouses. Based on the variables that positively correlate with marriage and predict marital satisfaction, group work programs can be developed. Groups can be formed for married individuals who exhibit emotional instability, which negatively affects marital satisfaction, to provide support in this regard. Marriage and family therapists can work in accordance with the findings that the personality traits of forgiveness, extraversion, and emotional stability predict marital satisfaction and that self-oriented perfectionism shows a positive relationship with marital satisfaction.

REFERENCES

- Arinze, A. U. & Obunadike, J. C. (2024). Forgiveness and self-control as predictors of marital satisfaction. *Nigeria Journal of Home Economics*, 12(9), 51-57. <https://doi.org/10.61868/njhe.v12i9.275>.
- Azizoğlu-Binici. S. (2000). *Psikolojik yardım için başvuruda bulunan ve bulunmayan evli çiftlerin evlilik ilişkilerini değerlendirmelerinin karşılaştırılması*. Yayınlanmamış doktora tezi, Ankara Üniversitesi, Ankara.
- Bacanlı, H., İlhan, T. & Aslan, S. (2009). Beş faktör kuramına dayalı bir kişilik ölçeğinin geliştirilmesi: Sıfatlara dayalı kişilik testi. *Journal of Turkish Educational Sciences*, 7(2), 261-279.
- Berry, J.W., Worthington, E.L., Jr., O'Connor, L., Parrott, L. III, & Wade, N.G. (2005). Forgiveness, vengeful rumination, and affective traits. *Journal of Personality*, 73(1), 183-226. <https://doi.org/10.1111/j.1467-6494.2004.00308.x>

- Bradbury, T. N. & Fincham, F. D. (1990). Attributions in marriage: Review and critique. *Psychological Bulletin*, 107, 3-33.
- Buehler, C. & Gerard, J. M. (2002). The role of education in marital satisfaction and family functioning. *Journal of Marriage and Family*, 64(1), 181-192. <https://doi.org/10.1111/j.1741-3737.2002.00181.x>
- Buss, D. M. (1991). Conflict in married couples: Personality predictors of anger and upset. *Journal of Personality*, 59, 663-688. <https://doi.org/10.1111/j.1467-6494.1991.tb00926.x>
- Büyüköztürk, Ş., Kılıç-Çakmak, E., Akgün, Ö. E., Karadeniz, Ş. & Demirel, F. (2012). *Bilimsel araştırma yöntemleri* (Geliştirilmiş 12. Baskı). Ankara: Pegem Akademi.
- Caarls, K. & de Valk, H. A. G. (2018). Regional diffusion of divorce in Turkey. *European Journal of Population*, 34(4), 609-636. <https://doi.org/10.1007/s10680-017-9441-5>
- Coşkun, S. & Sarlak, D. (2020). Reasons for divorce in Turkey and the characteristics of divorced families: A retrospective analysis. *Family Journal*, 28(1), 85-93. <https://doi.org/10.1177/1066480720904025>
- Curran, T. & Hill, A. P. (2020). Perfectionism and emotional well-being: A meta-analysis. *Personality and Individual Differences*, 163, 110071. <https://doi.org/10.1016/j.paid.2020.110071>
- Çağ, P. & Yıldırım İ. (2013). Evlilik doyumunu yordayan ilişkisel ve kişisel değişkenler. *Türk Psikolojik Danışma ve Rehberlik Dergisi*, 39(4), 13-23.
- Çelik, M. (2006). *Evlilik doyum ölçeği geliştirme çalışması*. Doktora tezi, Çukurova Üniversitesi, Adana.
- Dimitrovsky, L., Levy-Shiff, R. & Schattner-Zanany, İ. (2002). Dimensions of depression and perfectionism in pregnant and nonpregnant women: their levels and interrelationships and their relationship to marital satisfaction. *The Journal of Psychology: Interdisciplinary and Applied*, 136(6), 631-646. <https://doi.org/10.1080/00223980209604824>
- Doss, B. D., Rhoades, G. K. & Stanley, S. M. (2004). The role of communication in marital satisfaction: A longitudinal study. *Journal of Family Psychology*, 18(4), 698-707. <https://doi.org/10.1037/0893-3200.18.4.698>
- Dyer, G. W., Dyer, A. M. & Hurst, M. (2022). The dynamics of marital satisfaction over time: Expectations and realities. *Family Relations*, 71(1), 122-135. <https://doi.org/10.1111/fare.12652>
- Duman-Temel, E. (2013). Mediating role of marital satisfaction in the types of infidelity forgiveness, trait positive affect – forgiveness and coping forgiveness relationships in married men and women. Yüksek lisans tezi, Orta Doğu Teknik Üniversitesi, Ankara.
- Elliott, S. (2010). Parents' constructions of teen sexuality: Sex panics, contradictory discourses, and social inequality. *Symbolic Interaction*, 33(2), 191-212. <https://doi.org/10.1525/si.2010.33.2.191>
- Enrigh, R. D. (1996). Counseling within the forgiveness triad: On forgiving, receiving forgiveness, and self-forgiveness. *Counseling and Values*, 40 (2), 107-126. <https://doi.org/10.1002/j.2161-007X.1996.tb00844.x>
- Fincham, F. D., Beach, S. R. & Davila, J. (2004). Forgiveness and conflict resolution in marriage. *Journal of Family Psychology*, 18(1), 72-81.
- Fincham, F. D., Hall, L. & Beach, S. R. (2022). Forgiveness and marital satisfaction: The role of conflict resolution. *Journal of Family Psychology*, 36(1), 1-10. <https://doi.org/10.1037/fam0000871>

- Fletcher, G. J. O., Fitness, J. & Blampied, M. (1990). The link between attributions and happiness in close relationships: The roles of depression and explanatory style. *Journal of Social and Clinical Psychology*, 9(2), 243-255. <https://doi.org/10.1521/jscp.1990.9.2.243>
- Flett, G. L. & Hewitt, P. L. (2016). Perfectionism and mental health: A review of the literature. *Clinical Psychology Review*, 46, 113-121. <https://doi.org/10.1016/j.cpr.2016.04.005>
- Furman, C. R., Luo, S. & Pond Jr., R. S. (2017). A perfect blame: Conflict-promoting attributions mediate the association between perfectionism and forgiveness in romantic relationships. *Personality and Individual Differences*, 111, 178-186. <https://doi.org/10.1016/j.paid.2017.02.021>
- Güngör-Cihan, H. (2007). *Evlilik doyumunu açıklamaya yönelik bir model geliştirme*. Doktora tezi, Gazi Üniversitesi, Ankara.
- Hatipoğlu, Z. (1993). *Role of certain demographic variables and marital conflict in marital satisfaction in husbands and wives*. Yüksek lisans tezi, Orta Doğu Teknik Üniversitesi, Ankara.
- Heller, D. & Watson, D. (2013). Marital satisfaction: The role of education and gender. *Journal of Marriage and Family*, 75(3), 501-514. <https://doi.org/10.1111/jomf.12014>
- Hewitt, P. L., Flett, G. L. & Mikail, S. F. (2017). *Perfectionism: A relational approach to conceptualization, assessment, and treatment*. New York: Guilford Press.
- Hewitt, P. L., Flett, G. L., & Ediger, E. (1995). Perfectionism traits and perfectionistic selfpresentation in eating disorder attitudes, characteristics, and symptoms. *International Journal of Eating Disorders*, 18 (4), 317-326. [https://doi.org/10.1002/1098-108X\(199512\)18:4<317::AID-EAT2260180404>3.0.CO;2-2](https://doi.org/10.1002/1098-108X(199512)18:4<317::AID-EAT2260180404>3.0.CO;2-2)
- Hewitt, P. L., Flett, G. L., Turnbull-Donovan, W., & Mikail, S. (1991). The multidimensional perfectionism scale: reliability, validity, and psychometric properties in psychiatric samples. *Psychological Assessment*, 3, 464-468. <https://doi.org/10.1037/1040-3590.3.3.464>
- Ho, M. R., Cheung, J. M. & Wong, Y. (2021). The impact of forgiveness on relationship satisfaction and psychological well-being. *Journal of Social and Personal Relationships*, 38(3), 732-747. <https://doi.org/10.1177/0265407520935655>
- Hoffmann, A., Stoeber, J. & Musch, J. (2015). Multidimensional perfectionism and assortative mating: A perfect date? *Personality and Individual Differences*, 86, 94-100. <https://doi.org/10.1016/j.paid.2015.05.028>
- Kahn, A. S., Moller, N. P. & Van Dellen, M. R. (2020). Conflict management in long-term marriages: The role of duration and communication patterns. *Journal of Marriage and Family*, 82(4), 1013-1030. <https://doi.org/10.1111/jomf.12655>
- Karasar, N. (2008). *Bilimsel araştırma yöntemi* (18. Baskı). Ankara: Nobel Yayınları.
- Kelly, E. L. & Conley, J. J. (1987). Personality and compatibility: a prospective analysis of marital stability and marital satisfaction. *Journal of Personality and Social Psychology*, 52(1), 27.
- Kerns, K. A. & Tompkins, S. D. (2021). Perfectionism and marital satisfaction: The role of communication and conflict. *Journal of Family Psychology*, 35(6), 757-766. <https://doi.org/10.1037/fam0000828>
- Koydemir, S., Sun Selşik, E. & Tezer, E. (2005). Evlilik uyumu ve mükemmeliyetçilik boyutları arasındaki ilişkiler. *Türk Psikolojik Danışma ve Rehberlik Dergisi*, 23(3), 65-75.

- Kubat, D. E. (2012). *Evli bireylerde aldatma eğilimi ve evlilik doyumu ilişkisinin incelenmesi*. Yüksek lisans tezi, Haliç Üniversitesi, İstanbul.
- Levenson, R. W., Cartensen, L. L. & Gottman, J. M. (1993). Emotional behavior in longterm marriage. *Psychology and Aging*, 10(1), 140-149.
- Malouff, J. M., Thorsteinsson, E. B. & Schutte, N. S. (2020). The relationship between the five-factor model of personality and marital satisfaction: A meta-analysis. *Journal of Family Psychology*, 34(3), 365-376. <https://doi.org/10.1037/fam0000656>
- Moor, B. G., et al. (2021). Personality and marital satisfaction: The role of emotional stability and interpersonal dynamics. *Personality and Individual Differences*, 168, 110328. <https://doi.org/10.1016/j.paid.2020.110328>
- Moller, N. P., Rhoades, G. K. & Doss, B. D. (2021). The impact of marital duration on relationship quality: An empirical analysis. *Journal of Family Psychology*, 35(5), 671-681. <https://doi.org/10.1037/fam0000823>
- Montalvo, D., Martin, J. & Brantley, M. (2020). The relationship between forgiveness and marital satisfaction: A longitudinal study. *Journal of Marriage and Family*, 82(2), 543-558. <https://doi.org/10.1111/jomf.12634>
- Olaru, G., van Scheppingen, M. A. & Bleidorn, W. (2023). The link between personality, global, and domain-specific satisfaction across the adult lifespan. *Journal of Personality and Social Psychology*. <https://doi.org/10.1037/pspp0000461>
- Oral, M. (1999). *The relationship between dimensions of perfectionism, stressful life events and depressive symptoms in university students a test of diathesis-stress model of depression*. Unpublished Master Thesis. Middle East Technical University, Ankara.
- O'Rourke, H. P. & Cuddy, A. J. C. (2017). Educational attainment and marital satisfaction: A review of the literature. *Journal of Family Psychology*, 31(5), 614-624. <https://doi.org/10.1037/fam0000315>
- Roberts, B. W., et al. (2019). Personality and relationship outcomes: A longitudinal study of marriage and divorce. *Journal of Personality and Social Psychology*, 117(2), 331-346. <https://doi.org/10.1037/pspp0000224>
- Runtz, M. G. & Schallow, J. (2018). The role of forgiveness in romantic relationships: A review of the literature. *Personal Relationships*, 25(4), 597-613. <https://doi.org/10.1111/pere.12268>
- Russell, R. J. & Wells, P. A. (1991). Personality similarity and quality of marriage. *Personality and Individual Differences*, 12(5), 407-412. [https://doi.org/10.1016/0191-8869\(91\)90057-I](https://doi.org/10.1016/0191-8869(91)90057-I)
- Sano, D. L. (2001). *Attitude similarity and marital satisfaction in long-term African American and Caucasian Marriages*. Unpublished doctoral dissertation, OH: Cleveland State University.
- Sarıçam, H. & Akın, A. (2013). Affedicilik ölçeğinin Türkçe uyarlaması: Geçerlik ve güvenirlik çalışması. *Hasan Ali Yücel Eğitim Fakültesi Dergisi*, 10, 1.
- Shackelford, T. K., Buss, D. M. & Bennet, K. (2002). Forgiveness or breakup: Sex differences in responses to a partner's infidelity. *Cognition ve Emotion*, 16(2), 299-307. <https://doi.org/10.1080/02699930143000202>
- Smith, J. & Cavanagh, K. (2022). The impact of perfectionism on relationship dynamics and marital satisfaction. *Journal of Social and Personal Relationships*, 39(2), 380-397. <https://doi.org/10.1177/02654075211019974>

- Somer, O. & Goldberg, L. R. (1999). The structure of Turkish trait-descriptive adjectives. *Journal of Personality and Social Psychology*, 76(3), 431. <https://doi.org/10.1037/0022-3514.76.3.431>
- Taysi, E. (2007). *İkili İlişkilerde Bağışlama: İlişki kalitesi ve yüklemelerin rolü*. Yayınlanmamış doktora tezi, Ankara Üniversitesi, Ankara.
- Tezer, E. (1996). Evlilik ilişkisinden sağlanan Doyum: Evlilik yaşamı ölçeği. *Psikolojik Danışma ve Rehberlik Dergisi*, 2(7), 1-7
- Tutarel-Kışlak, Ş. (2002). İlişkilerde mutluluk ölçeği (İMÖ): Güvenirlik ve geçerlik çalışması, *Kriz Dergisi*, 10(1), 37-43.
- Üncü, S. (2007). *Duygusal zekâ ve evlilik doyumu ilişkisi*. Yüksek lisans tezi, Ankara Üniversitesi, Ankara.
- Whisman, M. A., Dixon, A. E. & Johnson, B. (1997). Therapists' perspectives of couple problems and treatment issues in couple therapy. *Journal of Marriage and Family*, 11(3), 361-366.
- Worthington, E. L., Scherer, M. & Wenzel, M. (2017). The role of forgiveness in marital satisfaction and relationship longevity. *Journal of Family Issues*, 38(7), 953-975. <https://doi.org/10.1177/0192513X15607866>
- Yaşın-Dökmen, Z. & Tokgöz, Ö. (2002, Eylül). Cinsiyet, eğitim cinsiyet rolü ile evlilik doyumu, eşle algılanan benzerlik arasındaki ilişkiler. 12. *Ulusal Psikoloji Kongresi*, Ankara: Orta Doğu Teknik Üniversitesi.
- Zeytinoğlu, E. (2013). *Evli bireylerin benlik saygısı, kıskançlık düzeyi, evlilikteki çatışmalar ve evlilik doyumu arasındaki ilişkilerin incelenmesi*. Yüksek lisans tezi, Dokuz Eylül Üniversitesi, İzmir.
- Ziğba, J. & Kaczmarek, M. (2022). Interactions between personality traits and marital satisfaction: The role of conflict resolution. *Journal of Social and Personal Relationships*, 39(2), 422-440. <https://doi.org/10.1177/0265407521995514>