Aslı Kılıç

Department of Psychology, Middle East Technical University
Dumlupınar Bulvarı, No:1, Çankaya, Ankara, Turkey
askilic@metu.edu.tr (90) 312 210 5944

ACADEMIC POSITIONS

2022–	Associate Professor, Department of Psychology, METU, Turkey
2018	YÖK Doçent
2015–2022	Assistant Professor, Department of Psychology, METU, Turkey

EDUCATION

2012–2014	Postdoctoral Fellow, Department of Psychology, Koç University, Turkey (with Ilke Öztekin)
2007–2012	Ph.D., Experimental Psychology, Syracuse University, NY, USA *Dissertation:* Output interference and the strength based mirror effect in recognition memory (advisor: Amy H. Criss)
2004–2007	M.Sc., Cognitive Science, Middle East Technical University, Turkey *Thesis:* Age related changes in recognition memory for emotional stimuli (advisor: Didem Gökçay)
2000–2004	B.S., Business Administration, Bilkent University, Turkey

PUBLICATIONS

Journal Articles

15. Eltaş, Z., Dövencioğlu, N. D., & Kılıç, A. (in press). Temporal dynamics of numerosity judgments: Liberal responses across different reference numbers in early response onsets *Perception*.

14. Büyükyaprak, B., Yet, B. & Kılıç, A. (in press). Semantic similarity effect on delayed free recall using word embeddings for Turkish. *Computational Brain & Behavior*.

13. Pala, C. D. & Kılıç, A. (in press). Criterion shifts change the pattern of output interference. *Memory & Cognition, 54*, 1917–1935.

12. Aytaç, S., Kılıç, A., Criss, A. H. & Kellen, D. (2024). Retrieving effectively from source memory: Evidence for differentiation and local matching processes.*Cognitive Psychology, 149*, 101617.

11. Kılıç, A. & Inan, A. B. (2022).Response bias in numerosity perception at early judgments and systematic underestimation. *Attention, Perception, & Psychophysics, 84*(1), 188–204.

10. Kılıç, A., Fontaine, J., Malmberg, K. J., & Criss, A. (2021). The moderating role of feedback on forgetting in recognition memory. *Computational Brain & Behavior, 4*(2), 178–190.

9. Kapucu, A., Kılıç, A., Özkılıç, Y. & Sarıbaz, B. (2021). Turkish emotional word norms for arousal, valence and discrete emotional categories. *Psychological Reports, 124*(1), 188–209.

8. Starns, J. J., Cataldo, A. M., Rotello, C. M.,Starns, J.J., Cataldo. A. M., Rotello, C. M. , Annis, J., Aschenbrenner, A., Bröder, A., Cox, G., Criss, A., Curl, R. A., Dobbins, I. G., Dunn, J., Enam, T., Evans, N.J., Farrell, S.,, Fraundorf, S., Gronlund, S.D., Heathcote, A., Heck, D.W., Hicks, J. L., Huff, M. J., Kellen, D., Key, K.N., Kilic, A., Klauer, K.C., Kramer, K.R., Leite, F.P., Lloyd,M.E., Malejka, S., Mason, A., McAdoo, R., McDonough, I.M., Michael, R.B., Mickes, L., Mizrak, E., Morgan, D.P., Mueller, S.T., Osth, A., Reynolds, A., Seale-Carlisle, T.M., Singmann, H., Sloane, J. F., Smith, A.M., Tillman, G., Van Razenwaaij, D., Weidemann, C.T., Wells, G.L., White, C.N., & Wilson, J. (2019). Assessing theoretical conclusions with blinded inference to investigate a potential inference crisis. *Advances in Methods and Practices in Psychological Science, 2*(4), 335-349.

7. Criss, A. H., Salomao, C. Malmberg, K. J., Aue, W. R., Kılıç & A. & Claridge, M. (2018). Release from output interference in recognition memory: A Test for the attention hypothesis. *Quarterly Journal of Experimental Psychology, 71*(5), 1081-1089.

6. Kılıç, A., Criss, A. H., Malmberg, K. J., & Shiffrin, R. M. (2017). Models that allow us to perceive the world more accurately also allow us to perceive past events more accurately via differentiation. *Cognitive Psychology, 92*, 65-86.

5. Kılıç, A., Sayalı, C. Z. & Öztekin, I. (2017). Aging slows access to temporal information from working memory. *The Journals of Gerontology: Psychological Sciences, 72*(6), 996-1005.

4. Kılıç, A. & Öztekin, I. (2014). Retrieval dynamics of the strength based mirror effect in recognition memory. *Journal of Memory and Language, 76*, 158-173.

3. Criss, A. H., Aue, W. R., & Kılıç, A. (2014). Age and response bias: Evidence from the strength based mirror effect. *Quarterly Journal of Experimental Psychology, 67*(10), 1910-1924.

2. Kılıç, A., Hoyer, W. J. & Howard, M. W. (2013). Effects of spacing of item repetitions in continuous recognition memory: Does item retrieval difficulty promote item retention in older adults? *Experimental Aging Research, 39*(3), 322-341.

1. Kılıç, A., Criss, A. H. & Howard, M. W. (2013). A causal contiguity effect that persists across time scales. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 39*(1), 297-303.

Book Chapters

1. Kılıç, A. & Criss, A. H. (2019). Methods for studying memory differences between young and older adults. In Otani, H. & Schwartz, B. (Eds.) *Handbook on Research Methods in Human Memory.* (pp. 178-191) New York, NY: Routledge.

National Journal Articles

4. Kaşgöz, E. & Kılıç, A. (2025). Olaysal bellekte yakınlık etkisi hakkında bir gözden geçirme. *Türk Psikoloji Yazıları, 28*(55), 53-71.

3. Dedetaş, H. & Kılıç, A. (2020). Çağrışım belleği üzerine bir gözden geçirme. *Türk Psikoloji Yazıları, 23*(46), 17–28.

2. Pala, C. D. & Kılıç, A. (2020). Tanıma belleğinde kriter belirleme ve tepki yanlılığı değişimlemeleri. *Türk Psikoloji Yazıları, 23*(45),1-15.

1. Aytaç, S. & Kılıç, A. (2018). Tanıma belleğinde madde ve bağlam modelleri hakkında bir değerlendirme. *DTCF Dergisi, 58*(1), 623-640.

National Book Chapters

2. Kılıç, A. (2024). Olaysal bellek süreçlerini anlamak için geliştirilmiş hesaplamalı modeller. In D. Dövencioğlu (Ed.) *Nörondan algoritmaya davranışı anlamak* (pp.). Nobel Akademik Yayın.

1. Kılıç, A. (2024). Bilginin sözel temsili. In H. Kafadar (Ed.) *Bilişsel Psikoloji. - Bilişin Davranışsal ve Fizyolojik Temeli.* (pp. 171 - 194). Nobel Akademik Yayın.

RESEARCH GRANTS

External

2022-2025	Scientific and Technological Research Council of Turkey (TUBITAK), 1001
2017-2020	Scientific and Technological Research Council of Turkey (TUBITAK), 3501 Career Grant

Internal

2020-2022	Middle East Technical University, Scientific Research Grant
2017-2018	Middle East Technical University, Scientific Research Grant
2016	Middle East Technical University, Scientific Research Grant

CONFERENCES

40. Yazıcı Ateş, B., İnan, A. B., & Kılıç, A. (2026, July). *Investigating the numerosity perception of individuals with intellectual disability and the effect of feedback on biased perception.* Talk given at the Annual Meeting of the Mathematical Psychology, Virtual.

39. Kılıç, A., Ekiz, K. & Kaşgöz. E. (2025, November). *Asymmetry in the contiguity effect in probed recall.* Talk given at the Annual Meeting of the Psychonomic Society, Denver, CO.

38. Dedetaş Şatır, H., Yüksel, E. M. & Kılıç, A. (2024, November) *Cued recall is more than a combination of recognition and recall unless you use images*. Poster presented at the Annual Meeting of the Psychonomic Society, New York, NY.

37. Büyükyaprak, B., Yet, B.. & Kılıç, A. (2024, June). *Investigating semantic similarity effect on episodic memory recall using word embeddings* Poster presented at the 10th International Symposium on Brain and Cognitive Science, Ankara, Turkey.

36. Kaşgöz, E. & Kılıç, A. (2024, June). *Investigation of the symmetric contiguity effect with event segmentation* Poster presented at the 10th International Symposium on Brain and Cognitive Science, Ankara, Turkey.

35. Ekiz, K. I. & Kılıç, A. (2024, June). *Investigating the contiguity effect in probed recall task: Influence of enhanced encoding* Poster presented at the 10th International Symposium on Brain and Cognitive Science, Ankara, Turkey.

34. Özdemir, Ö. G., Kılıç, A. & Dövencioğlu, D. N. (2024, June). *The role of material perception in associative recognition memory* Poster presented at the 10th International Symposium on Brain and Cognitive Science, Ankara, Turkey.

33. Dedetaş Şatır, H. & Kılıç, A. (2023, September) *The joint effect of word frequemcy and output interference in recognition memory Test of a model prediction.* . Poster presented at 23rd Conference of the European Society for Cognitive Psychology, Porto, Portugal.

32. Pala, D. & Kılıç, A. (2023, July) *Retrieving effectively and dynamically from memory (D-REM): A recognition memory model with dynamic decision making mechanisms*. Talk given at the Annual Meeting of the Mathematical Psychology, Amsterdam, Netherlands.

31. Hato, T. & Kılıç, A. (2023, July) *Contiguity effect is asymmetric across pairs, how about within?* . Poster presented at the Annual Meeting of the Mathematical Psychology, Amsterdam, Netherlands.

30. Büyükyaprak, B., Yet, B.. & Kılıç, A. (2023, May). *ICreating semantically related and unrelated word lists for episodic memory research using word embeddings*. Poster presented at the 9th International Symposium on Brain and Cognitive Science, İstanbul, Turkey.

29. Arpacı Atmacaoğlu H. & Kılıç, A. (2022, November). *Investigating the asymmetric nature of the contiguity effect in the probed recall task*. Poster presented at the 63rd Annual Meeting of the Psychonomic Society, Boston, MA.

28. Arpacı Atmacaoğlu H. & Kılıç, A. (2022, May). *Investigating the asymmetry in contiguity effect.* Poster presented at the 8th International Symposium on Brain and Cognitive Science, Virtual.

27. Yildiran O. F. & Kılıç, A. (2021, November). *Investigating the role of auditory cues that create expectation effect for visual targets*. Poster presented at GDR Vision 2021, Lille, France.

26. Inan, A. B. & Kılıç, A. (2021, August). *Numerosity perception: Investigating the temporal dynamics using nonsymbolic stlimuli*. Talk presented at the 37th Annual Meeting of International Society for Psychophysics, Virtual.

25. Kılıç, A., Inan, A. B. (2020, November). *Response bias in numerosity perception at early judgments and systematic underestimation.* Poster presented at the Annual Meeting of the Psychonomic Society, Virtual.

24. Kapucu, A., Kılıç, A., Yüvrük, E. & Sivri, E. (2020, November). *Effects of specific negative emotions on recognition memory: Insight from accuracy and RT data*. Poster presented at the Annual Meeting of the Psychonomic Society, Virtual.

23. Aytaç, S., Kılıç, A. & Criss, A. H. (2020, July). *Predictions of REM model on the null list-strength effect in source recognition*. Poster presented at the Annual Meeting of Mathematical Psychology, Virtual.

22. Aytaç, S. & Kılıç, A. (2019, November). *Strength effects in source recognition memory*. Poster presented at the Annual Meeting of the Psychonomic Society, Montreal, Quebec, Canada.

21. Kılıç, A. (2019, July). *Retrieval dynamics of output interference: Testing decreases accuracy and slows item recognition*. Paper presented at the Annual Meeting of the Society for Mathematical Psychology, Montreal, Quebec, Canada.

20. Kılıç, A. (2018, July). *Bayesian Modeling of speed-accuracy data: Examples from probability matching and memory tasks*. Paper presented at the Annual Meeting of the Society for Mathematical Psychology, Madison, WI.

19. Kılıç, A. (2018, May). *Bayesian Modeling of speed-accuracy data: Evidence from the response deadline procedure*. Paper presented at the International Meeting of the Psychonomic Society, Amsterdam, Netherlands.

18. Kılıç, A. & Aytaç, S. (2017, November). *Output interference in source memory*. Poster presented at the Annual Meeting of Psychonomic Society, Vancouver, British Columbia, Canada.

17. Kılıç, A. (2017, July). *A joint evaluation of list-length and list-strength in recognition memory.* Poster presented at the Annual Meeting of the Society for Mathematical Psychology, Coventry, England, UK.

16. Kılıç, A. (2015, November). *The list-length and the list-strength effects in recognition memory.* Poster presented at the Annual Meeting of the Psychonomic Society, Chicago, IL.

15. Criss, A., Kılıç, A., Malmberg, K. J., & Fontaine, C. (2015, November). *Learning during study and test.* Talk given at the Annual Meeting of the Psychonomic Society, Chicago, IL.

14. Kılıç, A., Sayali, C., & Öztekin, I. (2015, July). *Aging slows temporal information recovery from memory.* Talk given at the Annual Meeting of the Society for Mathematical Psychology, Newport Beach, CA.

13. Kılıç, A. & Öztekin, I. (2014, November). *Testing slows item recognition.* Poster presented at the Annual Meeting of the Psychonomic Society, Longbeach, CA.

12. Kılıç, A., Sayali, C., & Öztekin, I. (2014, September). *Aging slows temporal information recovery from working memory.* Poster presented at the European Working Memory Symposium, Edinburgh, Scotland, UK.

11. Kılıç, A. & Öztekin, I. (2014, July). *A Bayesian analysis of the speed-accuracy data.* Poster presented at the Annual Meeting of the Society for Mathematical Psychology, Quebec City, QC, Canada.

10. Kılıç, A. & Öztekin, I. (2013, November). *A time course analysis of the strength based mirror effect.* Talk given at the Annual Meeting of the Psychonomic Society, Toronto, ON, Canada.

9. Kılıç, A. & Öztekin, I. (2013, August). *Modeling SAT curves.* Poster presented at the Annual Meeting of the Society for Mathematical Psychology, Potsdam, Germany.

8. Salom̃ao, C., Claridge, M. A., Kılıç, A., Aue, W., & Criss, A.H. (2013, March).*Release from output interference in long term memory.*Poster session presented at the Annual Meeting of the Eastern Psychological Association, New York City, NY.

7. Kılıç, A., Criss, A. H. & Malmberg, K. J. (2013, November).*Output interference and list strength in recognition memory.* Poster presented at the Annual Meeting of the Psychonomic Society, Minneapolis, MN.

6. Kılıç, A., Criss, A. H. & Malmberg, K. J. (2012, May).*Output interference and the strength based mirror effect in recognition memory.* Poster presented at the the Context and Episodic Memory Symposium, Bloomington, IN.

5. Kılıç, A., Criss, A. H. & Howard, M. W.. (2011, November).*A causal contiguity effect in probed recall.* Poster presented at the Annual Meeting of the Psychonomic Society, Seattle, WA.

4. Kılıç, A., Criss, A. H. & Howard, M. W.. (2011, July).*Probed recall: Empirical evidence and theoretical implications.* Poster presented at the Annual Meeting of the Society for Mathematical Psychology, Boston, MA.

3. Kılıç, A., Criss, A. H. & Howard, M. W.. (2011, May).*Probed recall: Empirical evidence and theoretical implications.* Poster presented at the Context and Episodic Memory Symposium, Philadelphia, PA.

2. Kılıç, A., Howard, M. W. & Howard, M. W.. (2009, November).*Aging and distributed practice in recognition memory.* Poster presented at the Annual Meeting of of the Psychonomic Society, Boston, MA.

1. Gökçay, D., Kılıç, A. & Say, B. (2009, February). *Emotional stimuli based exclusively on valence fail to enhance recognition memory: A study across ages.* International Neuropsychological Society, Atlanta, GA

National

14. Eltaş, Z., Dövencioğlu, N.D., & Kılıç, A. (2025, September). *Çokluk algısında zamana bağlı değişim.* Talk given at IX. Deneysel-Bilişsel Sempozyumu, İstanbul, Türkiye.

13. Kılıç, A. (2024, April). *Olaysal bellekte yakınlık etkisi: Yoklamalı hatırlama görevinin geliştirilmesi.* Talk given at VIII. Deneysel-Bilişsel Sempozyumu, Ardahan, Türkiye.

12. Inan, A. B. & Kılıç, A. (2022, September). *Sayı algısının kısıtlı sürede cevap paradigması ve psikofizik fonksiyonu kullanılarak incelenmesi.* Poster presented at 21. Ulusal Psikoloji Kongresi, Istanbul, Türkiye.

11. Arpacı, H. & Kılıç, A. (2021, September). *Yakınlık etkisinin asimetrik doğasının yoklayıcılı hatırlama görevi ile incelenmesi*. Poster presented at VI. Deneysel-Bilişsel Psikoloji Sempozyumu, Vitual.

10. Kılıc, A. (2019, September). *Testin karıştırıcı etkisindeki dinamikler: Tanıma belleğindeki zayıflama ve avaşlama*. Talk given at V. Deneysel-Bilişsel Psikoloji Sempozyumu, Istanbul, Turkey

9. Pala, C. D. & Kılıç, A. (2019, September). Tepki yanlılığının temel oran ile değişimlenmesinin etkinliğinde geribildirim ve önbilginin rolleri. Poster presented at V. Deneysel-Bilişsel Psikoloji Sempozyumu, Istanbul, Turkey

8. Dedetaş, H., Yüksel, E. M. & Kılıç, A. (2019, September). *Kelime özelliklerinin ipuçlu hatırlamaya etkisi*. Poster presented at V. Deneysel-Bilişsel Psikoloji Sempozyumu, Istanbul, Turkey

7. Dedetaş, H., Yüksel, E. M. & Kılıç, A. (2018, September). *Kelime özelliklerinin ipuçlu hatırlama üzerindeki etkisi*. Poster presented at 20. Ulusal Psikoloji Kongresi, Ankara, Turkey

6. Pala, D. & Kılıç, A. (2018, September). *Tanıma belleğinde karar kriteri testin bozuzu etkisinin örüntüsünü nasıl etkileri*. Poster presented at 20. Ulusal Psikoloji Kongresi, Ankara, Turkey

5. Aytaç, S. & Kılıç, A. (2018, September). *Kaynak belleğinde testin bozucu etkisi*. Poster presented at 20. Ulusal Psikoloji Kongresi, Ankara, Turkey

4. Dedetaş, H., Yüksel, E. M. , Poyraz, E. N.& Kılıç, A. (2017, September). *Kelime özelliklerinin ipuçlu hatırlamaya etkisi*. Paper presented at IV. Deneysel-Bilişsel Psikoloji Sempozyumu, Izmir, Turkey

3. Kapucu, A., Kılıç, A., Özılıç, Y., & Sarıbaz, B. (2017, September). *Türkçe sözcükler için spesifik duygu normları geliştirme çalışması*. Paper presented at IV. Deneysel-Bilişsel Psikoloji Sempozyumu, Izmir, Turkey

2. Kılıc, A. (2015, September). *Tanıma belleğinde ayrıştırma mekanizması*. Paper presented at III. Deneysel-Bilişsel Psikoloji Sempozyumu, Ankara, Turkey

1. Kılıc, A. & Öztekin, I. (2013, September). *Tanıma belleğinde testin bozucu etkisi*. Paper presented at II. Deneysel-Bilişsel Psikoloji Sempozyumu, Istanbul, Turkey

AWARDS

- Indiana University, Young Scientist Travel Award, 2016
- Psychonomic Society, Select Speaker Award, 2013
- Syracuse University, Department of Psychology, Eric F. Gardner Research Fellowship, Fall 2011-Spring 2012
- Syracuse University, Graduate Student Organization, Travel Grant Award, 2011
- Syracuse University, Department of Psychology, Graduate Student Travel Grant, 2011, 2009

TEACHING

Undergraduate

General Psychology, Cognition, Computational Models of Human Memory, Experimental Design and Analysis, Research Methods, Topics in Experimental Psychology

Graduate

Experimental Programing, Memory Processes, Bayesian Statistics in Psychology

RESEARCH SUPERVISION

Masters Students

2026-	Gökçe Yalçın
2025-	İpek Erdem
2025-	Nadide Çanak
2023-2026	Aslıhan Berra Bolat
2022-2025	Elif Kaşgöz
2022-2024	Karya İlkim Ekiz
2020-2022	Tuğba Hato
2019-2022	Hazal Arpacı
2018-2022	Hatice Dedetaş
2018-2022	Zeynep Erbaş
2016-2019	Sinem Aytaç
2016-2019	Cavit Deniz Pala

PhD Students

2025-	Karya İlkim Ekiz
2024-	Fatih Yavuz
2019-2025	Cavit Deniz Pala

PROFESSIONAL SERVICE

Ad-hoc Journal Reviewer

- Computational Brain & Behavior
- Psychonomic Bulletin & Review
- Behavior Research Methods
- Cognitive Psychology
- Memory & Cognition
- Psychology & Aging
- Journal of Experimental Psychology: General
- Journal of Experimental Psychology: Learning, Memory, and Cognition
- Journal of Memory and Language
- Frontiers in Human Neuroscience
- Experimental Psychology
- Current Psychology
- Scientific Report
- Collabra: Psychology
- Memory
- Experimental Psychology
- American Journal of Psychology
- DTCF Dergisi
- Türk Psikoloji Dergisi
- Psikoloji Çalışmaları
- Hacettepe Üniversitesi Edebiyat Fakültesi Dergisi

Award Selection Committee

Psychonomic Society – Graduate Student Travel Award

Grant Review Panel

Scientific and Technological Research Counsil of Turkey (TUBITAK)

DEPARTMENTAL SERVICE

2025 -	Member - METU Human Subjects Ethics Review Committee
2022 -	Member - Faculty Executive Board
2018 -	Coordinator - Research Participation Pool, Department of Psychology, METU
2017 -	Coordinator - Internships, Department of Psychology, METU
2019 - 2021	Associate Chair, Department of Psychology, METU

PROFESSIONAL AFFILIATIONS

- Psychonomic Society (Fellow)
- Society for Mathematical Psychology
- Türk Psikologlar Derneği