

Hilal Tanyaş

Doctoral (Ph.D.) Candidate
Chair of Cognitive Psychology and Cognitive Aging
University of Mannheim
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Education

- Since 2019 Doctoral Student in Cognitive Psychology
University of Mannheim
Thesis Title: The Speed and the Temporal Processes of Item and Source Memory
Advisors: Prof. Dr. Beatrice G. Kuhlmann, Prof. Dr. Edgar Erdfelder
- 2016 – 2019 Master of Science in Cognitive Psychology
Middle East Technical University
Thesis Title: The Effects of Source Presentation and Test Format on Recognition Memory for Item and Source
Advisor: Prof. Dr. Mine Mısırlısoy
- 2011 – 2016 Bachelor of Science in Psychology
Middle East Technical University

Research Experience

- Since 2019 Research Assistant | Chair of Cognitive Psychology and Cognitive Aging, University of Mannheim
Project Name: Source Forgetting in Younger and Older Adults
Funding Agency: The Deutsche Forschungsgemeinschaft (DFG, German Research Foundation)
PI: Prof. Dr. Beatrice G. Kuhlmann
- 2016 – 2019 Research Assistant & Lab Coordinator | Attention & Memory Lab, Middle East Technical University
Project Name: Investigating the Item-Specific Proportion Congruency Effect with a Picture-Word Verification Task
Funding Agency: The Scientific and Technological Research Council of Turkey (TUBITAK)
PI: Prof. Dr. Mine Mısırlısoy
- 2014 – 2016 Research Assistant | Attention & Memory Lab
Middle East Technical University

Project Name: Investigating Cognitive Processes Underlying Proportion Congruence Effects
Funding Agency: The Scientific and Technological Research Council of Turkey (TUBITAK)
PI: Assoc. Prof. Dr. Nart Bedin Atalay

Teaching Experience

- Seminar C3: Research Methods in Experimental Psychology (Topic: Source Monitoring; Level: B.Sc. Psychology) | University of Mannheim

Research Interests

- Episodic memory, especially memory processes in source monitoring
- Cognitive/Mathematical modeling
- Cognitive aging
- Cognitive control

Peer-Reviewed Publications

- **Tanyas, H.**, & Kuhlmann, B. G. (2023). The temporal development of memory processes in source monitoring: An investigation with mouse tracking. *Psychonomic Bulletin & Review*. <https://doi.org/10.3758/s13423-023-02289-z>
- Kuhlmann, B. G., Symeonidou, N., **Tanyas, H.**, & Wulff, L. (2021). Remembering and reconstructing episodic context: An overview of source monitoring methods and behavioral findings. In K. D. Federmeier & L. Sahakyan (Eds.), *Psychology of learning and motivation* (pp. 79-124). Elsevier. <https://doi.org/10.1016/bs.plm.2021.06.002>
- Misirlisoy, M., **Tanyas, H.**, & Atalay, N. B. (2019). Does survival context enhance memory for source? A within-subjects comparison. *Memory*, 27(6), 780-791. <https://doi.org/10.1080/09658211.2019.1566928>
- **Tanyaş, H.**, & Mısırlısoy, M. (2018). Kaynak belleği: Derleme çalışması (Source memory: A review). *DTCF Dergisi*, 58(2), 1436-1457. <https://doi.org/10.33171/dtcfjournal.2018.58.2.13>

Conference Contributions

Talks:

- **Tanyas, H.**, Kuhlmann, B. G., & Erdfelder, E. (2023, March 26-29). *Testing the serial processing model of item and source retrieval: Applying the additive factor method to source monitoring* [Conference presentation]. In N. Symeonidou & H. Tanyas (Chair),

Source memory [Symposium]. 65. TeaP (Tagung experimentell arbeitender Psychologen; Conference of Experimental Psychologists), Trier, Germany.

- Kuhlmann, B. G., Symeonidou, N., **Tanyas, H.**, Schönung, D. N., Pinkinelli, J., Mitchell, K., & Naveh-Benjamin, Moshe. (2022, March 20-23). *Item versus source memory: Dissociations in forgetting patterns* [Conference presentation]. In N. Symeonidou & H. Tanyas (Chair), *Source memory* [Symposium]. 64. TeaP (Tagung experimentell arbeitender Psychologen; Conference of Experimental Psychologists), Cologne, Germany.
- **Tanyas, H.**, Kuhlmann, B. G., & Erdfelder, E. (2022, March 20-23). *Estimating (guessing-corrected) speed of item and source memory: Extension of two-high-threshold multinomial model of source monitoring* [Conference presentation]. In N. Symeonidou & H. Tanyas (Chair), *Source memory* [Symposium]. 64. TeaP (Tagung experimentell arbeitender Psychologen; Conference of Experimental Psychologists), Cologne, Germany.
- **Tanyas, H.**, Misirlisoy, M., & Kuhlmann, B. G. (2021, March 14-16). *Are source monitoring processes affected by methodological differences? An investigation of source presentation and testing* [Conference presentation]. In L. Wulff (Chair), *Source memory* [Symposium]. 63. TeaP (Tagung experimentell arbeitender Psychologen; Conference of Experimental Psychologists), Ulm, Germany.
- Mısırlisoy, M., Atalay, N. B., Bozkurt, Ö., & **Tanyaş H.** (2018, November 15-17). *Resim-kelime stroop görevinde uyarıcıların boyutlarının farklı zamanlarda sunulması uyarıcı düzeyi uyumluluk oranı etkisini değiştirir mi? (Does stimulus onset asynchrony [SOA] change the item-specific proportion congruency effect in a picture-word Stroop task?)* [Conference presentation]. 20. National Psychology Congress, Ankara, Turkey.
- **Tanyaş, H.**, Mısırlisoy, M., & Atalay, N. B. (2018, November 15-17). *Cevap süresini sınırlandırmanın bilişsel kontrol mekanizmalarına etkisi (Is conflict-triggered top-down control affected by a response deadline?)* [Conference presentation]. 20. National Psychology Congress, Ankara, Turkey.

Posters:

- **Tanyas, H.**, Kuhlmann, B. G., & Erdfelder, E. (2022, November 17-20). *Does better memory render faster retrieval? Investigating the speed of memory processes in source monitoring* [Poster presentation]. 63. Annual Meeting of Psychonomic Society, Boston, Massachusetts, USA.
- **Tanyas, H.**, Kuhlmann, B. G., & Erdfelder, E. (2022, May 29). *Do item and source memory operate in strict sequence? Application of the additive factor method on source monitoring* [Poster Presentation]. 8. International Symposium on Brain and Cognitive Science, Istanbul, Turkey.
- **Tanyas, H.**, & Kuhlmann, B. G. (2021, November 4-7). *Temporal dynamics of item and source memory: A mouse-tracking study* [Poster presentation]. 62. Annual Meeting of Psychonomic Society, A Virtual Conference.

- Misirlisoy, M., Atalay, N. B., Bozkurt, Ö., & Tanyas, H. (2019, September 25-28). *The effects of stimulus onset asynchrony on the item-specific proportion congruency effect in a picture-word Stroop task* [Poster presentation]. 21. European Society for Cognitive Psychology (ESCoP), Tenerife, Spain.

Grants

2018 – 2019 **Project Name:** The Effects of Source Presentation and Test Format on Recognition Memory for Item and Source (Master’s thesis project)
Funding Agency: Middle East Technical University (METU) Scientific Research Projects Coordination Unit
Total Funding: 10.000,00 TL

Awards

2020 METU GSSS Graduate Awards
2018-2019 Academic Year Best Master’s Thesis Award in Psychology
Graduate School of Social Sciences, Middle East Technical University

Computer Skills

- For experimentation: E-Prime, lab.js, MATLAB, OpenSesame
- For data preparation & statistical analyses: JASP, R/R Studio