

Dr. Hilal Tanyaş

Postdoctoral Researcher
Chair of Cognitive Psychology and Cognitive Aging
University of Mannheim
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Education

- 2019 – 2023 Doctorate (Ph.D.), Cognitive Psychology
University of Mannheim
- **Thesis Title:** The Speed and the Temporal Aspects of Item and Source Processing in Source Monitoring
 - **Supervisors:** Prof. Dr. Beatrice G. Kuhlmann, Prof. Dr. Edgar Erdfelder
- 2016 – 2019 Master of Science, Cognitive Psychology
Middle East Technical University
- **Thesis Title:** The Effects of Source Presentation and Test Format on Recognition Memory for Item and Source
 - **Supervisor:** Prof. Dr. Mine Mısırlısoy
- 2011 – 2016 Bachelor of Science, Psychology
Middle East Technical University (METU/ODTÜ)

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 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/dtcjournal.2018.58.2.13>

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, M. (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.
- Misirlisoy, 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.**, Misirlisoy, 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.**, Liss, J. V., & Kuhlmann, B. G. (2023, November 16-19). *Information accumulation on the item versus source test of source monitoring: Insights from diffusion modeling* [Poster presentation]. 64. Annual Meeting of Psychonomic Society, San Francisco, California, USA.

- **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: 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

Invited Talks

- WUMANetzwerk: Macher*innen Event 2023 (October 10, 2023); Theme: “Beyond Boundaries: Transforming Personal and Structural Challenges”