



Merve Bulut, Ph.D.

Research Assistant of Experimental Psychology

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I am a researcher in Experimental Psychology. My main research interest is spatial-numerical associations and more specifically the SNARC effect. Currently, I am examining the SNARC effect with stimulus-response compatibility paradigms. Also, I am working on how spatial-numerical associations are influenced by cultural directionalities.

Academic Appointments

Research Assistant	Izmir University of Economics <i>Department of Psychology</i>	2015 - still
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Education and Training

Ph.D.(Experimental Psychology)	İzmir University of Economics <i>Advisor: Professor Seda Dural</i>	2018-2024
Doctoral Research	Eberhard Karls University of Tübingen <i>Advisor: Professor Hans-Christoph Nuerk</i>	2022-2023
M.Sc.(Experimental Psychology)	İzmir University of Economics <i>Advisor: Assoc. Prof. Burak Erdeniz</i>	2015-2018
B.Sc. (Psychology)	Ege University	2010-2015
Exchange student	Ruhr University	2013 (Fall)

Awards and Honors

Graduate Scholarships Performance Award	The Scientific and Technological Research Council of Türkiye	2022
International Research Fellowship Program for PhD Students	The Scientific and Technological Research Council of Türkiye	2022

Funding / Research Support (Co-Investigator and Research Assistant)

Turkish Academy of Sciences Grant (GEBIP2019) (Outstanding Young Scientists Program)		2019-2023
<i>Title: A Memory Model for Magnitude-Space Associations</i>		
<i>Role: Research Assistant</i>		
<i>PI: Seda Dural</i>		
<i>Other Research Assistants: Ilgım Hepdarcan, Ezgi Palaz</i>		

The Scientific and Technological Research Council of Türkiye (120K778) 2021-2022
(1002-Short Term R&D Funding Program)

Title: An Investigation of The SNARC and SNARC-Like Effects: Time-Dependent Effects of Compatible and Incompatible Stimulus-Response Practice

Role: Co-investigator

PI: Seda Dural

İzmir University of Economics Scientific Research Project Grant (BAP2019-15) 2020 - 2022

Title: An Investigation of Space-Size Association in the Context of Long-Term Memory Representations

Role: Research Assistant

Co-Investigators: Hakan Çetinkaya, Seda Can

Other Research Assistants: Ilgım Hepdarcan, Ezgi Palaz

Manuscripts in Progress

Bulut, M., Çetinkaya, H. & Dural, S. (under review). SNARC Effect in a Transfer Paradigm: Long-Lasting Effects of Stimulus-Response Compatibility Practices. *Psychological Research* (Submission ID: ff33ecff-7dd0-4f68-ade3-d73fe2461a2e).

Bulut, M., Roth, L., Bahreini, N., Cipora, K., Reips, U., & Nuerk, H. (2023). Cultural aspects of the mental number line beyond reading/writing direction. Pre-registration available: <https://osf.io/pg5tn>.

Peer-Reviewed Publications

Bulut, M., Hepdarcan, I., Palaz, E., Çetinkaya, H. & Dural, S. (2023). No SNARC effect among left-to-right readers: Evidence from a Turkish sample. *Advances in Cognitive Psychology* 19(3). DOI: 10.5709/acp-0394-x.

Hepdarcan, I., Bulut, M., Palaz, E., Can, S. & Dural, S. (2021) The distance effect on discrimination ability and response bias during magnitude comparison in a go/no-go task. *Attention, Perception & Psychophysics* 83(5): 2052-2060. DOI: 10.3758/s13414-021-02274-5.

Bulut, M. & Erdeniz B. (2020). The other-race and other-species effect during a sex-categorization task: An eye-tracker study. *Behavioral Sciences* 10 (1): 24. DOI: 10.3390/bs10010024.

Erdeniz, B., Selveraj, D., & Bulut, M. (2019). Neuroanatomy of postural stability: Links to Parkinson's Disease. *Turkish Journal of Neurology* 25 (1), 1-6. DOI: 10.4274/tnd.2018.46793.

Conference Presentations

Bulut, M., Hepdarcan, I., Palaz, E., Çetinkaya, H. & Dural, S. (2022). *The SNARC effect: Can reading direction and finger counting habits explain the spatial-numerical associations?* 21th National Congress of Psychology, İstanbul, Türkiye.

Bulut, M. & Dural, S. (2022). *Time-dependent effect of compatible and incompatible practice on the SNARC effect in the context of spatial-numerical associations.* 21th National Congress of Psychology, İstanbul, Türkiye.

Bulut, M. & Dural, S. (2022). *Finger counting habit and its link with spatial-numerical associations in a Turkish sample.* 17th European Congress of Psychology, Ljubljana, Slovenia.

Dural, S., Bulut, M., Palaz, E., & Hepdarcan, I. (2021). *The distance effect in a response inhibition task*. 32nd International Congress of Psychology, Prague, Czech Republic.

Bulut, M. & Erdeniz, B. (2019). *The other-race and other-species effect during a sex-categorization task: An eye-tracker study*. 16th European Congress of Psychology, Moscow, Russia.

Bulut, M. & Erdeniz, B. (2017). *Gender perception from faces: The effect of culture and species*. Poster presentation at the 20th European Society for Cognitive Psychology, Potsdam, Germany.

Bulut, M. & Erdeniz, B. (2017). *Navigating a maze on a balance board: Gender differences in spatial memory*. Poster presentation at the 15th European Congress of Psychology, Amsterdam, Holland.

Bulut, M. & Çetinkaya H. (2016). *Mate Choice Copying in Females: Menstruation Effect*. 19th National Congress of Psychology, İzmir, Türkiye.

Ozkilic, Y., Bulut M., & Amado, S. (2016). *How motivational intensity affects false memory*. Poster presentation at the International Congress of the Psychonomic Society, Granada, Spain.

Teaching

Research Methods II 2024-Spring

Instructor

Quantitative Methods in Psychology I and II 2015-2023

Teaching Assistant

Independent Study 2015-2023

Mentor and Teaching Assistant

Service

International Journal of Psychophysiology 2021

Ad-hoc Journal Reviewer

Key Skills and Competences

R, SPSS, SuperLab, E-Prime, SMI iViewX

Academic References

Prof. Dr. Seda Dural, Department of Psychology, Izmir University of Economics, Izmir, Türkiye

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Prof. Dr. Hakan Çetinkaya, Department of Psychology, Yaşar University, Izmir, Türkiye

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Prof. Dr. Hans-Christoph Nuerk, Faculty of Psychology, Eberhard Karls University of Tübingen, Tübingen, Germany

hc.nuerk@uni-tuebingen.de