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ASTARLIOĞLU

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: GOE-5873-2022

ScopusID: 56033633300

Yoksis Researcher ID: 214838

Education Information

Doctorate, Netherlands 2016 - 2022

Postgraduate, Bogazici University, Turkey 2013 - 2016

Undergraduate, Bogazici University, Turkey 2007 - 2013

Foreign Languages

Turkish, C1 Advanced

Dissertations

Doctorate, Development of spatial language and memory: Effects of language modality and late sign language exposure, 2021

Postgraduate, The effect of timing and stimulus properties on metacognitive judgments, Bogazici University, 2016

Research Areas

Developmental Psychology

Academic Titles / Tasks

Assistant Professor, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Psychology, 2022 - Continues

Research Assistant, Bogazici University, Faculty of Arts and Sciences , Psychology, 2014 - 2016

Courses

Language Acquisition & Development, Undergraduate, 2024 - 2025, 2022 - 2023, 2021 - 2022

General Psychology, Undergraduate, 2022 - 2023

Gelişim Psikolojisi, Undergraduate, 2022 - 2023, 2021 - 2022

Human Language from Genes and Brains to Behavior, Postgraduate, 2023 - 2024

General Psychology, Undergraduate, 2022 - 2023

Advising Theses

Karadöller Astarhoğlu D. Z., EXPLORING THE RELATION BETWEEN GESTURE PRESENTATION PERSPECTIVE AND CHILDREN'S SPATIAL PERFORMANCE, Postgraduate, E.ORAKÇI(Student), 2024

Karadöller Astarhoğlu D. Z., THE IMPACT OF CONTEXTUAL, MULTIMODAL LANGUAGE INPUT AND CHILD'S INHIBITORY CONTROL ON THE DEVELOPMENT OF EARLY LITERACY SKILLS, Postgraduate, İ.DENİZ(Student), 2024

Karadöller Astarhoğlu D. Z., The effect of bilingual experience and home language environment on cognitive control of bilingual children, Postgraduate, X.GONG(Student), 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Parental attitudes and beliefs about mathematics and the use of gestures in children's math development**
Yılmaz B., Doğan I., Karadöller D. Z., Demir-Lira Ö. E., Göksun T.
COGNITIVE DEVELOPMENT, vol.73, pp.1-17, 2025 (SSCI)
- II. **Iconicity and Gesture Jointly Facilitate Learning of Second Language Signs at First Exposure in Hearing Nonsigners**
Karadoeller D. Z., Peeters D., Manhardt F., Oezyurek A., Ortega G.
LANGUAGE LEARNING, vol.74, no.4, pp.781-813, 2024 (SSCI)
- III. **First-language acquisition in a multimodal language framework: Insights from speech, gesture, and sign**
Karadoller D. Z., Sumer B., Ozyurek A.
FIRST LANGUAGE, 2024 (AHCI)
- IV. **The multifaceted nature of early vocabulary development: Connecting children's characteristics with parental input types**
Göksun T., Aktan-Erciyes A., KARADÖLLER ASTARLIOĞLU D. Z., Demir-Lira Ö. E.
Child Development Perspectives, 2024 (SSCI)
- V. **Gestures Cued by Demonstratives in Speech Guide Listeners' Visual Attention During Spatial Language Comprehension**
Özer D., Karadöller Astarhoğlu D. Z., Özyürek A., Göksun T.
Journal of Experimental Psychology: General, vol.152, no.9, pp.2623-2635, 2023 (SSCI)
- VI. **Late sign language exposure does not modulate the relation between spatial language and spatial memory in deaf children and adults**
KARADÖLLER ASTARLIOĞLU D. Z., Sümer B., Ünal E., Özyürek A.
Memory and Cognition, vol.51, no.3, pp.582-600, 2023 (SSCI)
- VII. **Sign advantage: Both children and adults' spatial expressions in sign are more informative than those in speech and gestures combined**
Karadöller Astarlioğlu D. Z.
JOURNAL OF CHILD LANGUAGE, vol.2023, no.1, pp.1-27, 2022 (SSCI)
- VIII. **Effects and Non-Effects of Late Language Exposure on Spatial Language Development: Evidence from Deaf Adults and Children**

KARADÖLLER ASTARLIOĞLU D. Z., Sümer B., Özyürek A.

Language Learning and Development, vol.17, no.1, pp.1-25, 2021 (AHCI)

IX. Iconicity in spatial language guides visual attention: A comparison between signers' and speakers' eye gaze during message preparation

Manhardt F., Özyürek A., Sümer B., Mulder K., KARADÖLLER ASTARLIOĞLU D. Z., Brouwer S.

Journal of Experimental Psychology: Learning Memory and Cognition, vol.46, no.9, pp.1735-1753, 2020 (SCI-Expanded)

X. Retrieval and phenomenology of autobiographical memories in blind individuals

Tekcan A. İ., Yılmaz E., Kaya Kızılöz B., KARADÖLLER ASTARLIOĞLU D. Z., Mutafoğlu M., Aktan Erciyas A.

Memory, vol.23, no.3, pp.329-339, 2015 (SSCI)

Articles Published in Other Journals

I. Number Development from Infancy to School Age

Karadöller Astarlioğlu D. Z.

Ankara Üniversitesi Dil Tarih ve Coğrafya Fakültesi Dergisi , vol.64, no.1, pp.762-788, 2024 (Peer-Reviewed Journal)

II. Development of spatial language and memory

KARADÖLLER ASTARLIOĞLU D. Z.

Sign Language and Linguistics (Online), vol.25, no.2, pp.235-244, 2022 (ESCI)

Books & Book Chapters

I. Multimodal Factors in Language Acquisition: Co-speech Gestures and Sign Language

Karadöller Astarlioğlu D. Z.

in: Understanding Behavior from Neuron to Algorithm, Dicle Dövençioğlu, Editor, Nobel Yayınevi, Ankara, pp.107-122, 2024

II. Language

Karadöller Astarlioğlu D. Z.

in: Cognitive Psychology: Behavioral and Physiological Foundations of Cognition , Hatice Kafadar, Editor, Nobel Yayınevi, Ankara, pp.237-253, 2023

III. Investigation of the role of child directed speech on first language acquisition

Karadöller Astarlioğlu D. Z.

in: Social Mind: Role Social Interaction in Cognitive Development, Müge Ekerim Akbulut, Editor, Vakıflar Genel Müdürlüğü Kültür Yayınları, İstanbul, pp.153-185, 2023

IV. Dil

AKTAN ERCİYES A., KARADÖLLER ASTARLIOĞLU D. Z., ÖZER D.

in: Bilişsel Psikoloji: Bilişin Davranışsal ve Fizyolojik Temeli, Hatice Kafadar, Editor, Nobel Akademik Yayıncılık, pp.237-253, 2023

Refereed Congress / Symposium Publications in Proceedings

I. İkonik Temsillerin İşaret Dili Edinimindeki Rolü

Karadöller Astarlioğlu D. Z.

X. Uluslararası Türk Dili Kurultayı, Ankara, Turkey, 26 September 2024, pp.1-10

II. Algısal hassasiyet annenin dil girdisi ile çocuğun ifade edici dil becerileri arasındaki ilişkiyi düzenliyor mu?

AYDIN M., KARADÖLLER ASTARLIOĞLU D. Z., KAZAK BERUMENT S.

4. Gelişim Psikolojisi Sempozyumu, Ankara, Turkey, 10 - 11 September 2024
- III. **İşaret Dili Ediniminde Multimodal Faktörler**
KARADÖLLER ASTARLIOĞLU D. Z.
Ted Üniversitesi Psikoloji Günleri, Ankara, Turkey, 16 - 17 December 2023
- IV. **Object Focus and Preschoolers' Relational Reasoning**
Esmer Ş., Turan E., KARADÖLLER ASTARLIOĞLU D. Z., GÖKSUN YÖRÜK T.
The 45th Annual Conference of the Cognitive Science Society, Sydney, Australia, 26 July 2023
- V. **Development of informative spatial expressions in speech and gesture.**
ÜNAL E., KARADÖLLER ASTARLIOĞLU D. Z., Kırbaşoğlu K., SÜMER B., Özyürek A.
45th annual Conference of the Cognitive Science Society, Sydney, Australia, 26 - 29 July 2023
- VI. **Full-term children receive more math input multimodally compared to preterm children**
KARADÖLLER ASTARLIOĞLU D. Z., ÖZTÜRK T. P., Şanlıtop D., Demir-Lira E., GÖKSUN YÖRÜK T.
52nd Annual Meeting of the Jean Piaget Society, Madrid, Spain, 01 June 2023
- VII. **My Sign App: Supporting Sign Language Acquisition of Deaf Children with Hearing Parents**
KARADÖLLER ASTARLIOĞLU D. Z.
SignLab Amsterdam, Amsterdam, Netherlands, 23 February 2023
- VIII. **Geç işaret dilini ediniminin uzamsal dil ve bellek ilişkisine etkileri**
KARADÖLLER ASTARLIOĞLU D. Z.
3. Gelişim Psikolojisi Sempozyumu, İstanbul, Turkey, 8 - 09 September 2022
- IX. **Both iconicity and gestures pave the way for speakers in learning signs in L2 at first exposure.**
KARADÖLLER ASTARLIOĞLU D. Z., Manhardt F., Peteers D., Peteers D., Özyürek A., ortega g., ortega g.
ISGS 2022, Şikago, United States Of America, 13 July 2022
- X. **Spatial Language Use Predicts Spatial Memory of Children: Evidence from Sign, Speech, and Speech-plus-gesture**
KARADÖLLER ASTARLIOĞLU D. Z., Sümer B., Ünal E., Özyürek A.
43rd Annual Meeting of the Cognitive Science Society: Comparative Cognition: Animal Minds, CogSci 2021, Virtual, Online, Austria, 26 - 29 July 2021, pp.672-678
- XI. **Informativeness of Gestures in Speech Context Guides Visual Attention During Comprehension of Spatial Language.**
ÖZER D., KARADÖLLER ASTARLIOĞLU D. Z., Özyürek A., GÖKSUN YÖRÜK T.
7th Gesture and Speech Interaction Meeting, Sweden, 07 September 2020
- XII. **Effects of Delayed Language Exposure on Spatial Language Acquisition by Signing Children and Adults**
KARADÖLLER ASTARLIOĞLU D. Z., Sümer B., Özyürek A.
39th Annual Meeting of the Cognitive Science Society: Computational Foundations of Cognition, CogSci 2017, London, England, 26 - 29 July 2017, pp.2372-2376
- XIII. **Analytic Thinking Religion and Prejudice An Experimental Testing of the Dual Process Model of Mind**
YILMAZ O., KARADÖLLER ASTARLIOĞLU D. Z.
ISBCS 2015, Turkey, 4 - 06 November 2015
- XIV. **Autobiographical Remembering in Blind Blindfolded and Sighted Individuals**
MUTAFOĞLU M., KARADÖLLER ASTARLIOĞLU D. Z., TEKCAN A. İ.
Psychonomics Society Annual Meeting, 18 - 20 November 2013

Supported Projects

Karadöller Astarlioğlu D. Z., EU Supported Other Project, The Role of Lexical Properties in Sign Language Structure and acquisition, 2024 - 2029

Karadöller Astarlioğlu D. Z., Civil Society Organizations of Other Countries Supported Project, My Sign App, 2022 - 2024

Memberships / Tasks in Scientific Organizations

society for research in child development, Member, 2021 - Continues, United States Of America
Sign Language and Linguistic Studies, Member, 2019 - Continues, United States Of America
Cognitive Science Society, Member, 2017 - Continues, Reunion

Scientific Refereeing

LANGUAGE, COGNITION AND NEUROSCIENCE, Journal Indexed in SSCI, July 2023
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Sabanci University, Turkey, May 2023
FRONTIERS IN PSYCHOLOGY, Journal Indexed in SSCI, April 2023
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Hacettepe University, Turkey, April 2023
Project Supported by Private Organizations in Other Countries, Society for Research in Child Development, United States Of America, April 2023
Project Supported by Private Organizations in Other Countries, Society for Research in Child Development, United States Of America, April 2023
Project Supported by Private Organizations in Other Countries, Society for Research in Child Development, United States Of America, April 2023
Project Supported by Private Organizations in Other Countries, Society for Research in Child Development, Turkey, April 2023
Project Supported by Private Organizations in Other Countries, Society for Research in Child Development, United States Of America, April 2023
Project Supported by Private Organizations in Other Countries, Society for Research in Child Development, United States Of America, April 2023
Project Supported by Private Organizations in Other Countries, Society for Research in Child Development, United States Of America, April 2023
Project Supported by Private Organizations in Other Countries, Society for Research in Child Development, United States Of America, April 2023
Project Supported by Private Organizations in Other Countries, Society for Research in Child Development, United States Of America, April 2023
TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, April 2023
Project Supported by Private Organizations in Other Countries, Society for Research in Child Development, United States Of America, April 2023
CURRENT PSYCHOLOGY, Journal Indexed in SSCI, January 2023
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Sabanci University, Turkey, January 2023
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Bogazici University, Turkey, January 2023
CHILDREN AND YOUTH SERVICES REVIEW, Journal Indexed in SSCI, May 2022

Scientific Research / Working Group Memberships

Multimodal Language And Cognitive Development Laboratory, Middle East Technical University, Turkey,
<https://mlcdlab-psy.metu.edu.tr/en>, 2023 - Continues

Metrics

Publication: 32

Citation (WoS): 119

Citation (Scopus): 108

H-Index (WoS): 7

H-Index (Scopus): 6

Congress and Symposium Activities

3. Gelişim Sempozyumu, Moderator, İstanbul, Turkey, 2022

International Conference for Sign Language Acquisition 2022, Attendee, New York, United States Of America, 2022