

# Mahmut Sami Grdal

Department of Human Development and Family Science, Virginia Tech  
248 Wallace Hall (0416), 295 West Campus Drive, Blacksburg, VA 24061  
[msgurdal@vt.edu](mailto:msgurdal@vt.edu) — [mahmutgurdal.github.io](https://mahmutgurdal.github.io)

## Education

<b>Ph.D. in Human Development</b> Virginia Tech, Blacksburg, VA	Expected 2027
<b>M.S. in Human Development</b> Virginia Tech, Blacksburg, VA	2024
<i>Thesis:</i> Emotion regulation and screen use among parents of toddlers: A moderating role of parental personality	
<i>Advisors:</i> Dr. Koeun Choi & Dr. Cynthia L. Smith	
<b>B.A. in Psychology</b> , <i>with magna cum laude</i> zyeęin University, Istanbul, Trkiye	2022

## Honors, Fellowships, & Awards

<b>Outstanding Master's Student Award</b> , Virginia Tech Graduate School	2024
<b>Membership Offer</b> , Phi Kappa Phi	2023, 2024
<b>Academic Fellowship</b> , Hsn M. zyeęin Foundation (\$3,000)	2022
<b>High Honor Degree</b> , zyeęin University	2022
<b>Dean's High Honor List</b> , zyeęin University	2019 – 2022
<b>Full Scholarship for Bachelor's Degree</b> , zyeęin University	2017 – 2022
<b>Member</b> , Psi Chi - The International Honor Society in Psychology	2021
<b>First Place Prize in Undergraduate Level</b> , 3rd iędem Kaęıtıbaşı Research Festival	2020
<b>First Place Prize in Paper Presentations</b> , 2nd iędem Kaęıtıbaşı Research Festival	2019

## Grants

### Funded External Grants

3. **Travel Grant**, Children and Screens: Institute for Digital Media and Child Development (\$350) 2025
2. **Research Grant**, The Scientific and Technological Research Council of Trkiye 2021 – 2022
  - Investigation of Moderator Role of Psychological Resilience on the Relationship Between Social Media Use and Depression (4,000.00 TRY)
  - PIs: **Mahmut Sami Gurdal**, Tunahan Aktay, Aleyna Akkan, Ekin Kızıldaş
  - Advisor: Dr. İbrahim H. Acar
1. **Research Grant**, The Scientific and Technological Research Council of Trkiye 2020 – 2021
  - Investigation of the Relationship Between Foreign Language Anxiety and Beliefs About Foreign Language Learning (3,980.00 TRY)
  - PI: **Mahmut Sami Gurdal**
  - Advisor: Dr. İbrahim H. Acar

## Funded Internal Grants

11. **Travel Grant**, Department of Human Development and Family Science, Virginia Tech (\$630) 2025
10. **Travel Grant**, Graduate & Professional Student Senate, Virginia Tech (\$300) 2025
9. **Travel Grant**, Department of Human Development and Family Science, Virginia Tech (\$561) 2025
8. **Travel Grant**, Graduate & Professional Student Senate, Virginia Tech (\$300) 2025
7. **Travel Grant**, Department of Human Development and Family Science, Virginia Tech (\$500) 2024
6. **Travel Grant**, Graduate & Professional Student Senate, Virginia Tech (\$300) 2023
5. **Travel Grant**, Department of Human Development and Family Science, Virginia Tech (\$850) 2023
4. **Travel Grant**, Graduate & Professional Student Senate, Virginia Tech (\$500) 2022
3. **Travel Grant**, College of Social Sciences, Özyeğin University (€650) 2022
2. **Conference Attendance Grant**, College of Social Sciences, Özyeğin University (\$25) 2021
1. **Internship Grant**, Department of Psychology, Özyeğin University (5,000 TRY) 2021

## Research Experience

- Graduate Research Assistant** 2024 – Present  
 Children's Emotions Lab  
 Department of Human Development and Family Science, Virginia Tech  
 PI: Dr. Cynthia L. Smith
- Graduate Research Assistant** 2023 – Present  
 Cognitive Developmental Science Lab  
 Department of Human Development and Family Science, Virginia Tech  
 PI: Dr. Koeun Choi
- Graduate Research Assistant** 2022 – 2025  
 Child Development Center for Learning and Research  
 Department of Human Development and Family Science, Virginia Tech  
 PI: Dr. Isabel Bradburn

## Publications

### Peer-Reviewed Journal Articles

2. **Gurdal, M. S.**, & Acar, İ. H. (2025). Self-regulation profiles and social competence in early childhood: A person-centered approach. *Early Education and Development*, 1-17.  
<https://doi.org/10.1080/10409289.2025.2559429>
1. **Gurdal, M. S.**, & Acar, İ. H. (2024). Foreign language anxiety and language learning beliefs: A comparative study of six language learner groups. *The Journal of Quality in Education*, 14 (23), 44-60.  
<https://doi.org/10.37870/joqie.v14i23.430>

### Manuscripts Under Review

1. **Gurdal, M. S.**, Choi, K., Shin, E., & Smith, C. L. (under review). From maternal emotion regulation to children's screen media use: Distinct pathways for interactive and non-interactive media.

## Manuscripts in Progress

1. Walker, A., Choi, K., **Gurdal, M.**, Morris, K., Quesenberry, E., Yu, S., Jeon, M., & Katz, B. (in progress). False memories: Subjective and objective responses to an “accented” voice assistant.
2. **Gurdal, M. S.**, Özcan, M. Ş., Choi, K., & Smith, C. L. (in progress). Effortful control and media use from birth to age 5: A meta-analysis.
3. Chen, J., **Gurdal, M. S.**, Hong, Y., & Choi, K. (in progress). The interplay between problematic smartphone use, depression, and creative personality in adolescents: A longitudinal cross-lagged model.
4. **Gurdal, M. S.**, Smith, C. L., Choi, K., & Bell, M. A. (in progress). Temperament pathways to child and maternal problematic media use: A longitudinal study from middle childhood to adolescence.

## Reports

1. Bradburn, I., **Gurdal, M. S.**, & Velez, A. (2024). *+Policy Network policy impacts: An assessment of member policy impacts from 2017-2023*. Virginia Tech +Policy Network.  
<https://policy.isce.vt.edu/research.html>

## Presentations

### Peer-Reviewed Oral Presentations

7. **Gurdal, M. S.**, Smith, C. L., Shin, E., & Choi, K. (accepted). *When temperaments align: Toddler temperament as a moderator between parental personality and media use motivations* [Paper presentation]. The 25th Occasional Temperament Conference, College Station, TX, USA.
6. **Gurdal, M. S.**, Smith, C. L., Choi, K., & Bell, M. A. (2025, July 13-16). *From early temperament to later problematic media use: The mediating role of adolescent temperament* [Paper presentation]. The 2025 Digital Media and Developing Minds International Scientific Congress, Washington, DC, USA.
5. Morris, K., Quesenberry, E., Walker, A., Choi, K., **Gurdal, M.**, Yu, S., Jeon, M., & Katz, B. (2025, April 10-12). *Shaping interaction: The impact of voice assistant dialects on user experience* [Paper presentation]. The Southeastern Conference on Linguistics (SECOL), Boca Raton, FL, USA.
4. Walker, A., Quesenberry, E., Choi, K., **Gurdal, M.**, Jeon, M., Katz, B., Kebede, L., Morris, K., Odom, C. & Yu, S. (2024, April 4-7). *The impact of voice assistant accent on user experience* [Paper presentation]. The Southeastern Conference on Linguistics (SECOL), Athens, GA, USA.
3. **Gurdal, M. S.**, & Acar, İ. H. (2021, July 7-10). *Üniversite öğrencilerinin yabancı dil kaygısı ve yabancı dil öğrenimine yönelik inançları arasındaki ilişkinin incelenmesi (En: Examining the relationship between university students' foreign language anxiety and their beliefs about foreign language learning)* [Paper presentation]. The 8th International Eurasian Educational Research Congress, Aksaray, Türkiye.
2. Karakoç, D., **Gurdal, M. S.**, Sezen, N., & Acar, İ. H. (2019, May 3). *Preschool children's coping strategies during self-regulation tasks* [Paper presentation]. The 2nd Annual Çiğdem Kağıtçıbaşı Psychology Research Festival, Istanbul, Türkiye.
1. **Gurdal, M. S.**, Karakoç, D., Sezen, N., & Acar, İ. H. (2019, April 25-27). *Çocukların ve öğretmenlerin çocukların öz düzenlemesi için kullandıkları stratejiler (En: Strategies used by children and teachers for children's self-regulation)* [Paper presentation]. The 14th National Preschool Teaching Student Congress, Istanbul, Türkiye.

## Peer-Reviewed Poster Presentations

8. Smith, C. L., **Gurdal, M. S. (co-first author)**, Ozcan, M. S., Shin, E., & Choi, K. (Submitted). *Understanding the role of parental emotion regulation profiles in parent and child screen use* [Poster presentation]. XXV International Congress of Infant Studies, Panama City, Panama.
7. **Gurdal, M. S.**, & Smith, C. L. (2025, May 1-3). *Longitudinal investigation of self-regulation related to changes in internalizing and externalizing behaviors across early childhood* [Poster presentation]. The Society for Research in Child Development 2025 Biennial Meeting, Minneapolis, MN, USA.  
– Invited to the Student and Early Career Council (SECC) Poster Competition
6. Smith, C. L., Ozcan, M. S., **Gurdal, M. S.**, Shin, E., & Choi, K. (2025, May 1-3). *Children's regulation starts with the parents: A latent profile analysis of parent emotion regulation strategies* [Poster presentation]. The Society for Research in Child Development 2025 Biennial Meeting, Minneapolis, MN, USA.
5. **Gurdal, M. S.**, Choi, K., Shin, E., & Smith, C. L. (2024, March 21-23). *Understanding parental factors associated with toddlers' video viewing: A chained mediation model investing the roles of parental emotion regulation, media use, stress, and media use motive* [Poster presentation]. The 2024 Biennial Meeting of the Cognitive Development Society, Pasadena, CA, USA.
4. **Gurdal, M. S.**, Choi, K., Shin, E., Kim, J., Yu, S., & Smith, C. L. (2023, March 23-25). *Associations of maternal emotion regulation and mothers' and toddlers' screen use* [Poster presentation]. The Society for Research in Child Development 2023 Biennial Meeting, Salt Lake City, UT, USA.
3. **Gurdal, M. S.**, & Acar, İ. H. (2022, June 19-23). *Associations among foreign language anxiety, self-regulation, and beliefs toward foreign language learning* [Poster presentation]. The 26th Biennial Meeting of the International Society for the Study of Behavioral Development, Rhodes, Greece.
2. Aktay, T., Kızıldaş, E., **Gurdal, M. S.**, Akkan, A., & Acar, İ. H. (2021, April 7-9). *The contributions of teacher-child relationships to children's social competence* [Poster presentation]. The Society for Research in Child Development 2021 Virtual Biennial Meeting, Virtual.
1. Akkan, A., Aktay, T., Kızıldaş, E., **Gurdal, M. S.**, & Acar, İ. H. (2020, June 29). *Exploring Turkish and American children's reactions to a disappointing situation* [Poster presentation]. The 3rd Annual Çiğdem Kağıtçıbaşı Psychology Research Festival, Istanbul, Türkiye.

## Invited Presentations

4. **Gurdal, M. S.** (2025, April 11). *Early predictors of behavioral and media use outcomes: A longitudinal perspective*. Hokie Highlights, Blacksburg, VA.
3. **Gurdal, M. S.** (2024, December 5). *Graduate talks*. Psi - Chi: The International Honor Society in Psychology (Özyeğin University Chapter), Virtual.
2. **Gurdal, M. S.** (2024, February 16). *How do maternal factors affect toddlers' video viewing?*. HDFS Brown Bag Series, Blacksburg, VA.
1. **Gurdal, M. S.** (2023, July 26). *Pathways in psychology: A conversation with prospective college students*. Özyeğin University, Virtual.

## Teaching Experience

### Graduate Teaching Assistant

2025 – Present

Department of Human Development and Family Science, Virginia Tech

Course: Childhood and Adolescence (Fall 2025)

**Graduate Assistant**

2022 – 2024

Department of Human Development and Family Science, Virginia Tech

*Courses:* Curriculum in Early Childhood (Spring 2024, Spring 2023)

Infancy and Early Childhood (Fall 2023, Fall 2022)

**Guest Lectures**

Real-World Applications of Attention Research

April 3, 2025

*Special Topics in Developmental Psychology (PSYC 4034), Department of Psychology, Virginia Tech*

## Outreach Experience

**Editorial Activities**

- **Reviewer**, *Travel Fund Program*, Virginia Tech Graduate and Professional Student Senate 2024

**Service to the Community**

- **Organizer**, *AI and Robots for Young Children's Learning* [Hands-on Booth] 11/2025  
– Science Festival, Virginia Tech, Blacksburg, VA
- **Organizer**, *Let's Take Turns in Playful Reading with AI Voices!* [Hands-on Booth] 05/2025  
– ICAT Day, Virginia Tech, Blacksburg, VA
- **Participant**, *Conversational AI for Children's Learning* [Hands-on Booth] 07/2024  
– Back to School Resource Fair, Wonder Universe: A Children's Museum, Christiansburg, VA
- **Organizer**, *Research on Conversational AI Agents* [Hands-on Booth] 02/2024  
– STEM Family Night, Belview Elementary School, Radford, VA
- **Participant**, *Conversational AI and Social Robots for Storytelling* [Hands-on Booth] 11/2023  
– Science Festival, Virginia Tech, Blacksburg, VA
- **Participant**, *Conversational AI for Children's Learning* [Hands-on Booth] 10/2023  
– Humanities Week, Virginia Tech, Blacksburg, VA
- **Participant**, *Robot Musical Theater* 06/2023  
– Summer Camp, Valley Interfaith Child Care Center (VICC), Blacksburg, VA

## Memberships

Cognitive Development Society (CDS)	2024 – Present
The International Society for the Study of Behavioural Development (ISSBD)	2023 – Present
International Congress of Infant Studies (ICIS)	2023 – Present
Society for Research in Child Development (SRCD)	2022 – Present
Psi Chi - The International Honor Society in Psychology	2021 – Present

## Computer Skills

Statistical Analysis: SPSS, R Studio, Lisrel, HLM, Mplus

Experimental Design and Data Collection: PsychoPy, E-Prime, Qualtrics, QuestionPro

Document Preparations: LaTeX, Microsoft Office (Word, Excel, PowerPoint)