Curriculum Vitae

Fatih Ozkan

Fatih Ozkan

Doctoral Candidate

Academic History

Quantitative Method
Baylor University
Email: `fatih_ozkan1@baylor.edu`

Education

- **2021-** Doctor of Philosophy (Ph.D.) in Educational Psychology / Quantitative Method. (In process)
  Baylor University, Waco, Texas.

- **2021** Master's Degree (MA) in Educational Psychology / Quantitative Method.
  Thesis Title: Analyzing the Effect of STEM Education on the Academic Success and Social Emotional Development of Gifted Students.
  Baylor University, Waco, Texas.

- **2017** Master's Degree (MA), Science and Mathematics Education.
  Thesis Title: Determination of Misconceptions by Developing the Two-Stage Multiple-Choice Test for 7th Grade Digestive System.
  Erciyes University, Kayseri, Turkey.

- **2009** Bachelor of Education with an emphasis in Elementary Science and Mathematics education.
  Erciyes University, Kayseri, Turkey.

Experience

- **2021-** Graduate Research Assistant in the Department of Educational Psychology, Baylor University.

- **2019-2021** Graduate Student in the Department of Educational Psychology, Baylor University.

- **2016-2019** S.T.E.M. Manager in Kayseri STEM Centre, Ministry of Education, Kayseri, Turkey.

- **2009-2016** Science and Math Teacher, Ministry of National Education, Kayseri, Turkey.

Professional Certifications

- Science Education K-12 Teaching Certification.

- Math Education K-12 Teaching Certification.

Professional Skills

- R

- SAS

- Stata

- MATLAB

- SPSS

Research Interests

- Item Response Theory

- Multilevel Modelling

- Machine Learning

- Bayesian Statistics

- Survival and Reliability Analysis

Peer-Reviewed Manuscripts

Publications

- Ozkan, F., Oner Armagan, F., Bektas, O., & Saylan, A. (2015). Opinions of teachers on "This Is My Work" Project Competition. *Journal of History School*, 8, 211-24. http://dx.doi.org/10.14225/Joh753

- Ozkan, F., & Kettler, T. (2022). Effects of STEM education on the academic success and social-emotional development of gifted students. *Journal of Gifted Education and Creativity*, 9(2), 143-16.

- Ozkan, F., Agoglu, F., Atmaca, Akgul, S., Tan, S., Camci, S., & Gucyeter, Ş. (2022). Global Principles for Professional Learning in Gifted Education Turkish Translation.

- Jensen, J. W., Kettler, T., and Ozkan, F. "Application of Gamification Techniques in Well Control Training and Competency." Paper presented at the IADC/SPE International Drilling Conference and Exhibition, Galveston, Texas, USA, March 2024. doi: https://doi.org/10.2118/217699-MS

In Progress

- Ozkan F, Ogurlu U., Ozbay A. (2025) What Changed Since 1994: Attitudes Towards Gifted EducationWhat Changed Since 1994: Attitudes Towards Gifted Education. (in progress)

- Jensen, J. W., Kettler, T., and Ozkan, F. "Application of Gamification Techniques in Well Control Training and Competency." Paper presented at the IADC/SPE International Drilling Conference and Exhibition, Galveston, Texas, USA, March 2024. doi: https://doi.org/10.2118/217699-MS

- Morgan, G., Hiroki, M., & Ozkan, F. (2024). Comparing Relative Efficiency of Nonparametric to Parametric Methods using Monte Carlo Simulation in Two-Group Designs (in progress).

- Toraman Turk, S., Meneses, J., Turk, M., Fàbregues, S., Dudu, S., Ozkan, F., & Ustun, B. (2023). The Use of Incentives in Qualitative Research across Disciplines: A Methodological Review Study (in progress).

- Ozkan, F., & Oner Armagan, F. (2024). Determination of Misconceptions by Developing the Two-Stage Multiple-Choice Test for 7th Grade Digestive System: A Rasch and Factor Models Analysis of the Digestive System Concept Scale (DSCS).

- Ozkan, F., & Kettler, T. (in progress). A Meta-Analysis: Analyzing the Effect of STEM Education on the Academic Success and Social Emotional Development of Gifted Students.

- Ozkan, F., Kettler, T., & Anna, P. (in progress). Analyzing the Effect of Well-being and Mood on Everyday Creative Activity.

- Ozkan, F. (in progress). Multilevel Analysis: The Relationship Between Scientific Achievement and Creativity.

- Ozkan, F. (in progress). A Relationship Between Everyday Creativity-Little-C and Mood: A Multilevel Analysis.

- Ozkan, F. (in progress) Measuring Little-c Creativity: A Rasch Model Analysis of the Creative Achievement Questionnaire (CAQ) scale.

Peer-Reviewed Conference Presentations

- Ozkan, F. (2025) Predicting Reading Achievement in PIRLS 2021: A Comparative Analysis of Machine Learning Models. NCME. Denver, CO.

- Ozkan F, Ogurlu U., Ozbay A. (2025) What Changed Since 1994: Attitudes Towards Gifted EducationWhat Changed Since 1994: Attitudes Towards Gifted Education. AERA. Denver, CO.

- Jensen, J.W., Kettler, T., & Ozkan, F. (2024). Application of Gamification Techniques in Well Control Training and Competency. 2024 IADC SPE International Drilling Conference. Galveston, TX.

- Ozkan, F. (2024). Understanding the Impact of Opioid Use on Connecticut's Population: Insights from Drug-Related Deaths and Demographics. AERA. Philadelphia, PA.

- Ozkan, F. (2024). Examining Response Styles and Their Impact on Psychological Testing Outcomes: A Mixture Unfolding Multidimensional IRT Modeling Approach. AERA. Philadelphia, PA.

- Ozkan, F., & Song, J. (2024). Meta-Analysis of Cross-Validation Indices in LCA. SERA. Arlington, TX.

- Morgan, G., Hiroki, M., & Ozkan, F. (2024). Comparing Relative Efficiency of Nonparametric to Parametric Methods using Monte Carlo Simulation in Two-Group Designs. SERA. Arlington, TX.

- Song, J., Tomek, S., & Ozkan, F. (2024). The Relationship Between Body Image and Academic Performance: A Longitudinal Study. SERA. Arlington, TX.

- Toraman Turk, S., Meneses, J., Turk, M., Fàbregues, S., Dudu, S., Ozkan, F., & Ustun, B. (2023). The Use of Incentives in Qualitative Research across Disciplines: A Methodological Review Study. AERA. Chicago, IL.

- Ozkan, F. (2023). Multilevel Analysis: The Relationship Between Scientific Achievement and Creativity. Annual Meeting of the Southwest Educational Research Association (SERA). San Antonio, TX.

- Ozkan, F. (2023). A Relationship Between Everyday Creativity-Little-C and Mood: A Multilevel Analysis. Annual Meeting of the Southwest Educational Research Association (SERA). San Antonio, TX.

- Ozkan, F. (2023). Measuring Little-c Creativity: A Rasch Model Analysis of the Creative Achievement Questionnaire (CAQ) scale. Annual Meeting of the Southwest Educational Research Association (SERA). San Antonio, TX.

- Ozkan, F. (2022). Rasch model analysis of the Creative Achievement Questionnaire (CAQ) scale. NAGC 68th Annual Convention. Indianapolis, Indiana.

- Ozkan, F. (2021). The Necessity of Differentiation in Science Education for Gifted and Talented Students. NAGC 68th Annual Convention Reimagined! Colorado, Denver.

- Ozkan, F. (2021). The Effect of STEM Education on Gifted Learners. Baylor Emerging Research Conference, online.

- Ozkan, F. (2020). Exploring a Teacher's Impact on Creative Self-efficacy: Annual Meeting of the Southwest Educational Research Association (SERA).

- Ozkan, F. (2020). The Effect of STEM Education on Gifted Learners. NAGC 67th Annual Convention Reimagined!

- Ozkan, F. (2016). Developing A Two-Tier to Assess 7th grade Elementary Students' Understanding Digestive System. 1st International Conference on Studies in Education (ICOSEDU'2016), Barcelona, Spain.

- Ozkan, F. (2015). Opinions of Teachers On "This Is My Work" Project Competition. International Eurasian Educational Research Congress, Hacettepe University, Ankara, Turkey.

Service

Membership in Professional Organizations

- American Educational Research Association (AERA)

- National Council on Measurement in Education (NCME)

- Psychometric Society

- Southwest Educational Research Association (SERA)

Internal Service

- **2021-** Social Life Committee Chair, Graduate Student Association.

- **2022-** Activities Chair, Kappa Delta Pi-Baylor University.

- **2022** Member, AERA Division D Communications Committee.