

## Lect. PhD Gizem Güzeller

### Personal Information

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### International Researcher IDs

ORCID: 0000-0003-0832-9516

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### Biography

Gizem Güzeller graduated from the Department of Mathematics and Science Education Elementary Mathematics Education Program at Eskişehir Anadolu University and completed her master's in Elementary Mathematics Education Program at Hacettepe University. After serving as a research assistant for six years at TED University's Mathematics and Science Education Department, she works as a lecturer.

Güzeller's areas of study include out-of-school/informal learning, teacher education, student-centered instructional design, culture, and mathematics. Pursuing her doctoral studies at METU (Middle East Technical University), Güzeller has also been involved in projects on educational practices for prospective mathematics teachers, early algebra student preparation, and mathematics education for immigrant children.

### Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2018 - Continues Postgraduate, Hacettepe University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 2015 - 2018 Undergraduate, Anadolu University, Eğitim Fakültesi, Turkey 2005 - 2009

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Postgraduate, 5 VE 6. SINIF ÖĞRENCİLERİNİN ŞEKİLSSEL KAVRAM TEORİSİ ÇERÇEVESİNDE TEMEL GEOMETRİK KAVRAMLARI ANLAMLANDIRMASININ İNCELENMESİ, Hacettepe University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2018

### Research Areas

Social Sciences and Humanities, Education, Elementary School Education, Teacher Training For Elementary Sch. Edu. in Mathematics, Teacher Training in Science and Math. at Primary Sch. Level, Teacher Training

## Academic Titles / Tasks

Lecturer, TED University, Faculty Of Education, Dep.Of Mathematics And Science Education, 2023 - Continues  
Research Assistant, TED University, Faculty Of Education, Dep.Of Mathematics And Science Education, 2017 - 2023

## Academic and Administrative Experience

IB Komisyonu, TED University, Faculty Of Education, Dep.Of Mathematics And Science Education, 2024 - Continues  
Web Page and Social Media Committee , TED University, Faculty Of Education, Dep.Of Mathematics And Science Education, 2017 - 2023

Accreditation Commission, TED University, Faculty Of Education, Dep.Of Mathematics And Science Education, 2019 - 2021

Data Collection and Analysis Commission, TED University, Faculty Of Education, Dep.Of Mathematics And Science Education, 2017 - 2019

## Published journal articles indexed by SCI, SSCI, and AHCI

- Technology-enhanced learning practices in studio pedagogy: A scoping review**  
Süner Pla Cerda S., Yazırhoğlu L., Güzeller G.  
INTERNATIONAL JOURNAL OF TECHNOLOGY AND DESIGN EDUCATION, pp.1-36, 2024 (SCI-Expanded)

## Articles Published in Other Journals

- Kindergarten and Primary Teachers' Noticing Within the Context of Vertical Team of Mathematics Lesson Study**  
ÇELEBİ E. G., TOKER Z., ALKAŞ ULUSOY Ç., EMRE AKDOĞAN E., BALCI E., GÜZELLER G.  
MATHEMATICS TEACHER EDUCATION AND DEVELOPMENT, vol.26, no.1, pp.1-21, 2024 (Scopus)
- The Effects of an Early Algebra Intervention on Third-Grade Students' Algebraic Thinking Skills**  
İsler-Baykal I., Öztürk Tavşan N., G., YILDIZEL İ.  
Çukurova Üniversitesi Eğitim Fakültesi Dergisi, vol.52, no.3, pp.758-799, 2023 (ESCI)

## Books & Book Chapters

- Program Değerlendirme ve Paydaş Görüşleri**  
Elmas B., Haşlaman T., Erdoğan T., Bilki Z., Öneren Şendil Ç., Serim Yıldız B., Çelebi E. G., Sözen Özdoğan S., Bilicioğlu Güneş A., Güzeller G.  
in: Yükseköğretimde program geliştirme: TED Üniversitesi Eğitim Fakültesi Örneği, AKSOY ERDEM, Editor, Anı Yayıncılık, Ankara, pp.48-57, 2023

## Refereed Congress / Symposium Publications in Proceedings

- Teachers' perceptions of utilizing virtual field trips for teaching STEAM**  
Güzeller G., Akyüz D.  
Congress of the European Society for Research in Mathematics Education (CERME), Budapest, Hungary, 10 - 14 July 2023, pp.4653-4661
- Ortaokul matematik ders kitaplarının okul dışı öğrenme bağlamında incelenmesi [Investigation of out-of-school learning environments within middle grade mathematics textbooks].**

GÜZELLER G., SÖZEN ÖZDOĞAN S.

UFBMEK-15 National Congress on Science and Mathematics Education, 27 - 30 September 2023

- III. **Developing Pre-Service Teachers' Understanding of Culturally Responsive Mathematics Teaching Through Community Walks**  
Güzeller G., Çelebi E. G.  
ECER 2023 Congress, Glasgow, England, 21 - 25 August 2023, pp.2999-3000
- IV. **Integration of Web 2.0 Tools in Mathematics Classes: Perspectives of Mathematics Teachers**  
Güzeller G., Akyüz D.  
10. International Eurasian Educational Research Congress, Ankara, Turkey, 8 - 11 June 2023, pp.986
- V. **Integration of Web 2.0 Tools into Mathematics Lessons: Perspectives of Mathematics Teachers**  
Güzeller G., Akyüz D.  
10. International Eurasian Educational Research Congress, Ankara, Türkiye, Ankara, Turkey, 8 - 11 June 2023, pp.986-987
- VI. **Yükseköğretimde Program Geliştirme: TED Üniversitesi Eğitim Fakültesi Örneği**  
Aksoy E., Voltan Acar N. H., Elmas B., Er S. S., Toker Z., Haşlamam T., Yücelyiğit S., Erdoğan T., Alkaş Ulusoy Ç., Emre Akdoğan E., et al.  
10. International Eurasian Educational Research Congress, Ankara, Turkey, 8 - 11 June 2023, pp.141-142
- VII. **Matematik Öğretmen Adaylarının Pedagojik Tasarım Kapasitelerinin Belirlenmesi**  
Güzeller G., Toker Z.  
Educongress , Antalya, Turkey, 17 - 19 November 2022
- VIII. **Üçüncü Sınıf Öğrencilerin Değişken Kullanımına İlişkin Becerilerinin Gelişimi**  
İşler Baykal I., Öztürk Tavşan N., Güzeller G.  
14. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi Özetler Kitabı, Burdur, Turkey, 19 - 21 May 2021, pp.66
- IX. **Reinterpreting the Mathematics Curriculum in the Distance Education Process in the Shadow of the Pandemic.**  
Güzeller G., Toker Z.  
II. International Symposium on Science, Education, Art, and Technology (UBEST), İzmir, Turkey, 28 - 29 May 2021, pp.167
- X. **Bir Erken Cebir Uygulamasının Üçüncü Sınıf Öğrencilerin Fonksiyonel Düşünme Becerilerine Etkisi**  
Öztürk Tavşan N., Güzeller G., İşler Baykal I.  
VIIth International Eurasian Educational Research Congress, Eskişehir, Turkey, 10 - 13 September 2020, pp.591-600
- XI. **Matematik ders planlarında çokkültürlülük vurgusu: GÖÇ-MAT projesi örneği (Multiculturalism in Mathematics Instructional Plans)**  
Sözen Özdoğan S., Güzeller G.  
International Teacher Education and Accreditation Congress (ITEAC 2019), Ankara, Turkey, 30 November - 01 December 2019, vol.1, pp.110
- XII. **Third-, Fourth, and Fifth-Grade Students' Perceptions for Equal Sign**  
İşler Baykal I., Öztürk Tavşan N., Güzeller G.  
4th International Symposium of Turkish Computer and Mathematics Education, İzmir, Turkey, 26 - 28 September 2019, pp.1172-1178