

## Lect. PhD Sinem Sözen Özdoğan

### Personal Information

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### International Researcher IDs

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### Education Information

Postgraduate, Middle East Technical University, Faculty Of Education, Mathematics And Science Education, Turkey 2013 - 2023

Postgraduate, Middle East Technical University, Faculty Of Education, Mathematics And Science Education, Turkey 2011 - 2013

Undergraduate, Inholland University of Applied Sciences, Minor Program The School of Education and the Community at the School of Education, Turkey 2010 - 2010

### Foreign Languages

German, A1 Beginner

English, C1 Advanced

Japanese, A1 Beginner

### Certificates, Courses and Trainings

Vocational Training, BAYÖYO 2024: Bilim Akademisi - TED Üniversitesi - Orta Doğu Teknik Üniversitesi Yapay Öğrenme Yaz Okulu. , Orta Doğu Teknik Üniversitesi, 2024

### Dissertations

Doctorate, CLASSROOM MATHEMATICAL PRACTICES OF THE SEVENTH GRADERS ABOUT RATIO AND PROPORTION CONCEPTS, Middle East Technical University, Graduate School Of Social Sciences, Area Studies, 2023

Postgraduate, A phenomenological study on incorporating the history of mathematics into teaching from the perspective of primary and mathematics teachers, Middle East Technical University, Faculty Of Education, Mathematics And Science Education, 2013

### Research Areas

Social Sciences and Humanities, Education, Teacher Training For Primary School, Teacher Training For Elementary Sch.

## Academic Titles / Tasks

Lecturer, TED University, Faculty Of Education, Department Of Elementary Education, 2022 - Continues  
Research Assistant, TED University, Faculty Of Education, Department Of Elementary Education, 2012 - 2022  
Research Assistant, Amasya University, Faculty Of Education, Department Of Mathematics And Science Teaching, 2011 - 2012

## Academic and Administrative Experience

Accreditation Commission, TED University, Faculty Of Education, Department Of Elementary Education, 2017 - Continues  
Web Commission, TED University, Faculty Of Education, Department Of Elementary Education, 2017 - Continues  
Erasmus Commission Member, TED University, Faculty Of Education, Department Of Elementary Education, 2012 - 2015  
Library Commission, TED University, Faculty Of Education, Department Of Elementary Education, 2012 - 2015

## Courses

Out-of-School Learning Environments in Mathematics Teaching, Undergraduate  
Classroom Management, Undergraduate  
Teaching Practice 1 (EGEP), Undergraduate, 2022 - 2023  
Teaching of Social Skills, Undergraduate, 2022 - 2023  
Textbook Analysis in Primary School, Undergraduate, 2022 - 2023  
Textbook Analysis in Primary School, Undergraduate, 2022 - 2023

## Articles Published in Other Journals

- I. **Çokkültürlü Sınıflarda Matematik Eğitimi: Öğretmen Uygulamaları Üzerine Bir İnceleme**  
Karslı Çalamak E., Olkun S., Sözen Özdoğan S.  
Anadolu Journal of Educational Sciences International , vol.12, no.1, pp.123-155, 2022 (Peer-Reviewed Journal)
- II. **Generic Teacher Competencies: The Building Blocks in Turkey, Singapore, and Hong Kong**  
Akin S., Sözen Özdoğan S. S.  
Ankara Üniversitesi Eğitim Bilimleri Fakültesi Dergisi, vol.54, no.1, pp.269-311, 2021 (Peer-Reviewed Journal)
- III. **Developing ratio tables to explore ratios**  
Sözen Özdoğan S., Akyüz D., Stephan M.  
The Australian Mathematics Educational Journal (AMEJ), vol.1, no.2, pp.16-21, 2019 (Peer-Reviewed Journal)
- IV. **A case of teacher and student mathematical problem-solving behaviors from the perspective of cognitive-metacognitive framework**  
Sözen Özdoğan S., Ozçakir B., Orhan B.  
Studia Paedagogica, vol.24, no.4, pp.221-243, 2019 (Scopus)
- V. **Türkiye, Avusturya ve Almanya öğretmen yetiştirme sistemlerinin incelenmesi**  
Sözen Özdoğan S., Çabuk Aksop A.  
Uşak Üniversitesi Sosyal Bilimler Dergisi, vol.6, no.ÖYGE Özel Sayısı, pp.220-237, 2013 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **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

**II. Literatür ve Ülke İncelemeleri**

Yücelyigit S., Akın Sabuncu S., İrgin P., Canaran Ö., Aracı İyiyayın A., Sözen Özdoğan S., Havadar E. E., Yeler Z.

in: Yükseköğretimde program geliştirme: TED Üniversitesi Eğitim Fakültesi Örneği, AKSOY ERDEM, Editor, Anı Yayıncılık, Ankara, pp.17-47, 2023

**III. Patterns and relationships within ratio contexts: Students' emerging ideas through ratio tables.**

Sözen Özdoğan S., Akyüz D., Stephan M.

in: Mathematics as the science of patterns: Making the invisible visible through teaching, Patrick M. Jenlink, Editor, Information Age Publishing, North Carolina, pp.99-125, 2022

**IV. A Phenomenological Study Incorporating the History of Mathematics from the Perspective of Teachers**

Sözen Özdoğan S., Akyüz D., Çakiroğlu E.

in: The Language of Mathematics: How the Teachers' Knowledge of Mathematics Affects Instruction, Patrick Jenlink, Editor, Rowman & Littlefield, Oxford, London, pp.113-141, 2020

## Refereed Congress / Symposium Publications in Proceedings

**I. A bridge between tools and conventions: a transition to ratio and proportion concepts after ratio table**

Sözen Özdoğan S., Akyüz D., Stephan M.

PROCEEDINGS OF THE THIRTEENTH CONGRESS OF THE EUROPEAN SOCIETY FOR RESEARCH IN MATHEMATICS EDUCATION, Budapest, Hungary, 10 - 14 July 2023, vol.1, pp.499-507

**II. 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. Oran-Orantı kavramlarının öğretimine yönelik ortaokul matematik ders kitaplarının incelenmesi [Investigation of ratio-proportion teaching concepts within middle grade mathematics textbooks].**

SÖZEN ÖZDOĞAN S.

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

**IV. Sınıf Öğretmenliği Programına Yönelik İhtiyaç Analizi: Bir Vakıf Üniversitesi Örneği**

Haşlaman T., Sözen Özdoğan S., Kamacı Y.

X. International Eurasian Educational Research Congress, Ankara, Turkey, 8 - 11 June 2023, pp.1360-1362

**V. Sınıf öğretmenliği programına yönelik ihtiyaç analizi: Bir vakıf üniversitesi örneği.**

HAŞLAMAN T., SÖZEN ÖZDOĞAN S., KAMACI Y.

X International Eurasian Educational Research Congress, Turkey, 8 - 11 June 2023, vol.1, pp.1452-1454

**VI. Öğretmen Yetiştirme Kurumlarında Sürdürülebilir Akreditasyon Mekanizması: TED Üniversitesi Eğitim Fakültesi Örneği**

TOKER Z., SÖZEN ÖZDOĞAN S., CANARAN Ö., YALÇIN F., SERİM YILDIZ B., ÇELEBİ E. G., BİLİCİOĞLU GÜNEŞ A., AKSOY E., KAVAK Y.

10. INTERNATIONAL EURASIAN EDUCATIONAL RESEARCH CONGRESS, Ankara, Turkey, 08 June 2023

**VII. E-portfolyo kullanımının özdüzenleyici öğrenme ve mesleki gelişime katkısı: bir durum çalışması**

Haşlaman T., Genç Ersoy B., Çelikdemir K., Sözen Özdoğan S., Kamacı Y., Yıldız H. S.

X International Eurasian Educational Research Congress 2023, Ankara, Turkey, 8 - 11 June 2023, pp.1702-1703

**VIII. Yükseköğretimde Program Geliştirme: TED Üniversitesi Eğitim Fakültesi Örneği**

Aksoy E., Voltan Acar N. H., Elmas B., Er S. S., Toker Z., Haşlaman T., Yücelyigit 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
- IX. **Collaborative learning practices of students through synchronous online learning environment.**  
Sözen Özdoğan S., Şahin Doğruer Ş.  
45th Conference of the International Group for the Psychology of Mathematics Education, Alacant, Spain, 18 July 2022, vol.4, pp.297
- X. **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
- XI. **Teacher Competences as Building Blocks for Improving Teacher Education: Turkey, Singapore, and Hong Kong in Perspective**  
AKIN SABUNCU S., SÖZEN ÖZDOĞAN S.  
European Conference on Educational Research (ECER), Hamburg, Germany, 3 - 06 September 2019
- XII. **Öğrencilerin Matematik Öğreniminin Desteklenmesinde Başlat-Keşfet-[Launch-Explore-Discuss cycle as teaching and learning mathematics]**  
SÖZEN ÖZDOĞAN S., AKYÜZ D.  
28th International Conference on Educational Sciences, 25 - 28 April 2019, vol.1
- XIII. **Implementation of design-based research in mathematics education: Developing student-centered content.**  
SÖZEN ÖZDOĞAN S., AKYÜZ D.  
VIth International Eurasian Educational Research Congress (EJER 2019), 19 - 22 June 2019, vol.1
- XIV. **Subitizing and Beyond: Perception of Set Cardinality from Different Spatial Representations.**  
OLKUN S., KARSLI ÇALAMAK E., SÖZEN ÖZDOĞAN S., SOLMAZ G., HAŞLAMAN T.  
4. Cyprus International Congress of Education Research, 3 - 05 December 2018
- XV. **Drawing as a fresh start for learning ratio concept: The case of Maya**  
SÖZEN ÖZDOĞAN S., AKYÜZ D.  
EARLI SIG 15 Special Educational Needs, 12 - 14 September 2018
- XVI. **GÖÇ-MAT: Mülteci öğrencilere yönelik çok temsilli matematik materyalleri geliştirilmesi (MIGRA-MATH: Developing mathematics lesson plans with multiple representations for refugee children)**  
KARSLI ÇALAMAK E., OLKUN S., SÖZEN ÖZDOĞAN S.  
UFBMEK-12 National Congress on Science and Mathematics Education, 28 - 30 September 2016
- XVII. **Metacognitive Similarities and Differences between Teachers and Students on Mathematical Problem Solving Skills**  
SÖZEN S., ÖZÇAKIR B., ORHAN B.  
The European Conference on Educational Research, Budapest, Hungary, 7 - 11 September 2015
- XVIII. **Türkiye’de gerçekleşen birebir özel ders ile ilgili ebeveynlerin görüşleri [Parents’ perspectives for tutoring in Turkey].**  
SÖZEN ÖZDOĞAN S., AYDEMİR D., AYAN CİVAK R., ÇABUK A.  
UFBMEK-11 National Congress on Science and Mathematics Education, 11 - 14 September 2014
- XIX. **Türkiye Finlandiya ve Kore’de Öğretmen Yetiştirme Programlarının İncelenmesi**  
ARAS S., SÖZEN ÖZDOĞAN S.  
10. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Niğde, Turkey, 27 June 2012

## Scholarships

2211 Genel Yurtiçi Doktora Bursu, TÜBİTAK, 2013 - 2023

The Richard Skemp Memorial Support Fund , Other International Organizations, 2022 - 2022

MoNE Scholarship for Teachers, Ministry of Education, 2006 - 2011