



# SEVDA SEZER

## ASSOC. PROF.

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Address : Akdeniz Üniversitesi Eğitim Fakültesi Matematik ve Fen Bilimleri Eğitimi Bölümü Matematik Eğitimi Ana Bilim Dalı Antalya

### International Researcher IDs

ORCID: 0000-0001-6448-193X

Publons / Web Of Science ResearcherID: C-5009-2016

Yoksis Researcher ID: 128001



### Learning Knowledge

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Doctorate  
1997 - 2003

Akdeniz University, Fen-Edebiyat Fakültesi, Matematik, Turkey

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Postgraduate  
1994 - 1997

Akdeniz University, Fen-Edebiyat Fakültesi, Matematik, Turkey

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Undergraduate  
1990 - 1994

Akdeniz University, Fen-Edebiyat Fakültesi, Matematik, Turkey

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, BULANIK CEBİRSEL YAPILAR ÜZERİNE, Akdeniz University, Fen Ve Edebiyat Fakültesi, Matematik, 2003

Postgraduate, ELİPTİK EĞRİLER ÜZERİNDEKİ RASYONEL NOKTALAR , Akdeniz University, Fen Ve Edebiyat Fakültesi, Matematik Bölümü, 1997

### Academic Titles / Tasks

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Associate Professor  
2022 - Continues

Akdeniz University, Faculty of Education, Mathematics and Science Education

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Assistant Professor

2009 - 2022

Akdeniz University, Faculty of Education, Mathematics and Science Education

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Lecturer PhD

2003 - 2009

Akdeniz University, Faculty of Science, Department of Mathematics

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Research Assistant

1996 - 2003

Akdeniz University, Institute of Science

## Supported Projects

1. Sezer Evcan S., Tınaztepe G., Kemali S., Eken Z., Sezer S., Adilov G., TUBITAK Project, HAYATIMIZDAKİ MATEMATİK: TARIM, 2019 - 2019
2. Adilov G., Sezer Evcan S., Tınaztepe G., Sezer S., Kemali S., Eken Z., TUBITAK Project, Hayatımızdaki Matematik: Tarım, 2018 - 2018

## Awards

1. Sezer S., TÜBİTAK Yayın Teşvik, Tübitak, June 2022
2. SEZER S., TÜBİTAK Yayın Teşvik Ödülü, TÜBİTAK, December 2005

## Taught Courses And Trainings

Sezer S., Klinik Danışmanlık Modeli (MEB Hizmet içi Eğitimi), 2018 - 2018

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

1. **The Popoviciu Type Inequalities for s-Convex Functions in the Third Sense**  
Eken Z., Sezer S.  
MATHEMATICAL INEQUALITIES AND APPLICATIONS, vol.26, no.3, pp.769-782, 2023 (SCI-Expanded)
2. **The Hermite-Hadamard type inequalities for quasi p-convex functions**  
Sezer S., Eken Z.  
AIMS MATHEMATICS, vol.8, no.5, pp.10435-10452, 2023 (SCI-Expanded)
3. **THE SHARPER VERSION FOR GENERALIZED POWER MEAN INEQUALITIES WITH NEGATIVE EXPONENT**  
Tınaztepe R., Tınaztepe G., Eken Z., Sezer S., Kemali S., Işık İ. Y., Evcan S. S.  
Journal of Mathematical Inequalities, vol.17, no.1, pp.99-111, 2023 (SCI-Expanded)
4. **The Ostrowski inequality for s-convex functions in the third sense**  
Tınaztepe G., Sezer S., Eken Z., Sezer Evcan S.  
AIMS MATHEMATICS, vol.7, no.4, pp.5605-5615, 2022 (SCI-Expanded)
5. **p-Convex Functions and Some of Their Properties**  
SEZER S., EKEN Z., TINAZTEPE G., ADILOV G.  
NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION, vol.42, no.4, pp.443-459, 2021 (SCI-Expanded)
6. **The Sharper Form of Brunn-Minkowski Type Inequality for Boxes**

- Tinaztepe G., Kemali S., Sezer S., Eken Z.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.50, no.2, pp.377-386, 2021 (SCI-Expanded)
7. **The Hermite-Hadamard inequality for s-Convex functions in the third sense**  
SEZER S.  
AIMS MATHEMATICS, vol.6, no.7, pp.7719-7732, 2021 (SCI-Expanded)
  8. **VAGUE RINGS AND VAGUE IDEALS**  
Sezer S.  
IRANIAN JOURNAL OF FUZZY SYSTEMS, vol.8, no.1, pp.145-157, 2011 (SCI-Expanded)
  9. **Vague groups and generalized vague subgroups on the basis of  $([0,1], \leq, \text{boolean AND})$**   
Sezer S.  
INFORMATION SCIENCES, vol.174, no.1-2, pp.123-142, 2005 (SCI-Expanded)

### Articles Published in Other Journals

1. **Integral Inequalities for Functions Satisfying Certain Convexity Conditions**  
KEMALİ S., SEZER S., EKEN Z., SEZER EVCAN S.  
International Journal of Nonlinear Analysis and Applications, vol.14, no.1, pp.1063-1069, 2023 (Peer-Reviewed Journal)
2. **VAGUE MODULES ON THE BASE OF  $([0, 1], \leq, \wedge)$**   
Sezer S., Yüksel M.  
Jordan Journal of Mathematics and Statistics, vol.15, no.4(A), pp.925-939, 2022 (ESCI)
3. **Quasi p-convex functions**  
TINAZTEPE G., EKEN Z., SEZER S., ADILOV G.  
Applied Mathematics E - Notes, vol.22, pp.741-750, 2022 (ESCI)
4. **s-Convex Functions in the Fourth Sense and Some of Their Properties**  
EKEN Z., SEZER S., TINAZTEPE G., ADILOV G.  
Konuralp Journal of Mathematics, vol.9, no.2, pp.260-267, 2021 (Peer-Reviewed Journal)
5. **s-CONVEX FUNCTIONS IN THE THIRD SENSE**  
Kemali S., Sezer S., Tinaztepe G., Adilov G.  
KOREAN JOURNAL OF MATHEMATICS, vol.3, pp.7719-7732, 2021 (ESCI)
6. **Hermite-Hadamard Type Inequalities for the Functions Whose Absolute Values of First Derivatives are p-Convex**  
SEZER S.  
Fundamental journal of mathematics and applications (Online), vol.4, no.2, pp.88-99, 2021 (Peer-Reviewed Journal)
7. **The Effect of Teaching Math's through Storytelling on Students' Math's Achievement**  
Katipoğlu S. N., Katipoğlu M., Sezer S.  
Academy Journal of Educational Sciences, vol.5, no.1, pp.15-26, 2021 (Peer-Reviewed Journal)
8. **The evaluation of the project entitled " Mathematics in our life: Agriculture" conducted for 7th grade students within thce scope of TUBITAK 4004-Nature Education and Science School.**  
Sezer Evcan S., Adilov G., Eken Z., Sezer S., Kemali S., Tinaztepe G.  
Uluslararası Eğitim Araştırmacıları Dergisi, vol.3, no.1, pp.28-41, 2020 (Peer-Reviewed Journal)
9. **The Evaluation of the Project Entitled "Mathematics in Our Life: Agriculture" Conducted for 7th Grade Students within the Scope of TUBITAK 4004-Nature Education and Science Schools**  
SEZER EVCAN S., ADILOV G., EKEN Z., SEZER S., KEMALİ S., TINAZTEPE G.  
International Journal of Scholars in Education, vol.3, no.1, pp.28-41, 2020 (Peer-Reviewed Journal)
10. **Flett Potential Spaces and a Weighted Wavelet-Like Transform**  
SEZER EVCAN S., BARUT S.  
International Journal of Applied Physics and Mathematics, vol.10, no.3, pp.112-122, 2020 (Peer-Reviewed Journal)
11. **Tam Sayıların Öğretiminde Karikatürlerle Zenginleştirilmiş Eğitsel Matematik Hikâyelerinin**

### **Kullanılmasının Öğrencilerin Akademik Başarısına Etkisi**

Ünüvar E., Sezer S.

Academy Journal of Educational Sciences, vol.4, no.1, pp.45-52, 2020 (Peer-Reviewed Journal)

### 12. **Some Properties of Vague Rings**

SEZER S.

International Journal of Algebra, vol.4, no.16, pp.751-760, 2010 (Peer-Reviewed Journal)

### 13. **On Some Properties of Vague Lattices**

EKEN Z., SEZER S.

International Journal of Contemporary Mathematical Sciences, vol.4, no.31, pp.1511-1524, 2009 (Peer-Reviewed Journal)

### 14. **Vague Normal Subgroups**

SEZER S.

The Journal of Fuzzy Mathematics, vol.16, no.3, pp.10-22, 2008 (Peer-Reviewed Journal)

### 15. **Doğrusal Kodlar**

SEZER S.

Matematik Dünyası, vol.9, no.4, pp.8-14, 2000 (Non Peer-Reviewed Journal)

## **Refereed Congress / Symposium Publications in Proceedings**

### 1. **Some Inequalities for Quasi p-Convex Functions**

Sezer S.

4th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2022), Ankara, Turkey, 14 - 16 December 2022, pp.1

### 2. **On the transformations spaces of a vague group**

SEZER S.

The 16th International Conf. of the Jang. Math. soc., Antalya, Turkey, vol.16, no.16, pp.135

### 3. **ON p-CONVEX FUNCTIONS AND HERMITE-HADAMARD TYPE INEQUALITIES**

SEZER S.

IFSCOM2021 7th Ifs And Contemporary Mathematics Conference, Mersin, Turkey, 24 - 28 May 2021

### 4. **TÜBİTAK 4004 DOĞA EĞİTİMİ VE BİLİM OKULLARI KAPSAMINDA GERÇEKLEŞTİRİLEN**

**"HAYATIMIZDAKİ MATEMATİK: TARIM" PROJESİNİN DEĞERLENDİRİLMESİ**

SEZER EVCAN S., ADILOV G., TINAZTEPE G., SEZER S., KEMALİ S., EKEN Z.

5th International Congress on Education, Distance Education and Educational Technology- ICDET, Antalya, Turkey, 29 - 30 November 2019, pp.7

### 5. **"Tamsayılar" ve "Cebirsel İfadeler" konularının Eğitsel Hikayelerle Öğretimi**

ÜNÜVAR E., BARUT S.

VI INTERNATIONAL EURASIAN EDUCATIONAL RESEARCH CONGRESS, Antalya, Turkey, 19 - 22 June 2019

### 6. **Bulanık modüllerin bazı temel özellikleri**

YÜKSEL M., BARUT S.

IV. International Academic Research Congress (INES), Antalya, Turkey, 30 October - 03 November 2018

### 7. **Sayı örüntüleri ve cebirsel ifadelerin öğretiminde eğitsel hikayeler ve karikatür kullanımı**

BARUT S., ÜNÜVAR E.

IV. International Academic Research Congress (INES), Antalya, Turkey, 30 October 2018

### 8. **Hikaye ve Karikatürle Matematik Eğitimi**

BARUT S., ÜNÜVAR E.

Vth INTERNATIONAL EURASIAN EDUCATIONAL RESEARCH CONGRESS, Antalya, Turkey, 25 May 2018

### 9. **Bulanık Modüller Üzerine**

BARUT S., YÜKSEL M.

Uluslararası Multidisipliner Çalışmalar Kongresi, Antalya, Turkey, 25 - 26 November 2017

### 10. **"Teachers' views on the application of drama and animation technique in the new primary**

**mathematics teaching program and the effects of this technique on the students' academic success"**

Barut S., Ünüvar E.

4th International Conference for Theory and Practice in Education, Budapest, Hungary, 9 - 11 June 2011, pp.20-23

11. **Vague DeMorgan Copmlemented Lattices**

EKEN Z., SEZER S.

14th International Congress on Computational and Applied Mathematics, Antalya, Turkey, 29 September 2009

12. **Fuzzification of Some Natural Properties in a Vague Lattice**

EKEN Z., SEZER S.

IVth International Workshop on Applications of Wavelets to real World Problems, Kocaeli, Turkey, 05 June 2009

13. **On vague fields and vague integral domains**

Sezer S., Eken Z.

IVth International Workshop on Applications of Wavelets to Real World Problems, Kocaeli, Turkey, 05 June 2009

14. **Some Properties of vague rings and vague ideals**

SEZER S.

Mathematical Analysis Diferantial Equations and Their Applications, Famagusta, Cyprus (Kkctc), 12 September 2008

15. **Some Properties of Vague Rings**

SEZER S.

The 20th International Congress of Jangeon Math. Soc., Bursa, Turkey, 21 August 2008

16. **Bulanık normal alt grupların temel bazı özellikleri**

SEZER S.

XVIII. Ulusal Matematik Sempozyumu, İstanbul, Turkey, 05 September 2005

17. **Vague algebraic structures...**

SEZER S.

Antalya Algebra Days VI, Antalya, Turkey, 19 May 2004

## Other Publications

1. **Doğrusal Kodlar**

SEZER S.

Other, pp.8-14, 2000

## Advising Theses

SEZER S., 8. Sınıf öğrencilerinin gerçek yaşam problemlerini çözme becerileri ile akademik başarıları arasındaki ilişki, Postgraduate, M.Kolubüyük(Student), 2020

SEZER S., Hikaye yoluyla matematik eğitiminin öğrencilerin matematik başarısına etkisi, Postgraduate, S.Nur(Student), 2019

SEZER S., Matematik öğretiminde dinamik geometri yazılımı kullanımının öğrencilerin matematik başarısına etkisi, Postgraduate, M.Erdem(Student), 2019

SEZER S., MATEMATİK ÖĞRETİMİNDE KARİKATÜRLERLE ZENGİNLEŞTİRİLMİŞ EĞİTSEL MATEMATİK HİKAYELERİNİN KULLANILMASININ ÖĞRENCİLERİN MATEMATİK BAŞARISINA ETKİSİ, Postgraduate, E.ÜNÜVAR(Student), 2019

SEZER S., BULANIK MODÜLLER ÜZERİNE, Postgraduate, M.YÜKSEL(Student), 2017

SEZER S., Eğlence ve Mizah İçeren Karikatürle Matematik Eğitiminin İlköğretim 6. Sınıf Öğrencilerinin Matematik Başarısına Etkisi, Postgraduate, M.Katipoğlu(Student), 2016

## Activities in Scientific Journals

Fundamental journal of mathematics and applications (Online), Assistant Editor/Section Editor, 2021 - 2022

## Scientific Refereeing

JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS, SCI Journal, November 2023  
BİLİM ARMONİSİ(DERGİPARK), National Scientific Refreed Journal, October 2023  
TURKISH JOURNAL OF MATHEMATICS, SCI Journal, October 2023  
JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS, SCI Journal, September 2023  
Axioms, SCI Journal, December 2022  
FRACTALS, SCI Journal, October 2022  
JOURNAL OF INEQUALITIES AND APPLICATIONS, SCI Journal, January 2022  
TURKISH JOURNAL OF MATHEMATICS, SCI Journal, October 2021  
Bilim Armonisi (Dergipark), Other Journals, October 2021  
Necatibey Eğitim Fakültesi Elektronik Fen ve Matematik Eğitimi Dergisi, Other Journals, June 2020  
Academy Journal of Educational Sciences-ACJES, Other Journals, April 2020  
Research Project To Be Started., Akdeniz Üniversitesi Bilimsel Araştırma Projeleri (BAP) Koordinasyon Birimi, Akdeniz University, Turkey, March 2020  
Pegem Journal of Education and Instruction, Other journals, August 2015  
MEB TTKB panelist, Scientific / Professional Book Published by Other Publishers, June 2015  
Mediterranean Journal of Humanities (MJH), National Scientific Refreed Journal, June 2015  
Milli Eğitim, National Scientific Refreed Journal, May 2015  
MEB TTKB panelist, Scientific / Professional Book Published by Other Publishers, December 2014  
İlköğretim Online Dergisi, National Scientific Refreed Journal, June 2014  
Iranian Journal of Fuzzy Systems, SCI Journal, January 2008  
information sciences, SCI Journal, January 2006

## Tasks In Event Organizations

Sezer S., EJER CONGRESS 2019, Scientific Congress, Turkey, Haziran 2019  
Sezer S., VIII. Geometri Sempozyumu, Scientific Congress, Antalya, Turkey, Mayıs 2010

## Congress and Symposium Activities

4th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2022), Attendee, Ankara, Turkey, 2022  
VIII. International Eurasian Educational Research Congress, Working Group, Aksaray, Turkey, 2021  
7th IFS and Contemporary Mathematics Conference, Attendee, Mersin, Turkey, 2021  
5th International Congress on Education, Distance Education and Educational Technology- ICDET, Working Group, Antalya, Turkey, 2019  
VI International Eurasian Educational Research Congress, Working Group, Ankara, Turkey, 2019  
INES, IV. International Academic Research Congress, Attendee, Antalya, Turkey, 2018  
Vth INTERNATIONAL EJER 2018 CONGRESS, Attendee, Antalya, Turkey, 2018  
Uluslararası Multidisipliner Çalışmaları Kongresi, Attendee, Antalya, Turkey, 2017  
4th International Conference for Theory and Practice in Education, Attendee, Budapeşte, Hungary, 2011  
14. International Congress on Computational and Applied Mathematics, Attendee, Antalya, Turkey, 2009  
4. International Workshop on Applications of Wavelets Real World Problems, Attendee, Antalya, Turkey, 2009  
Mathematical Analysis Differential Equations and Their Applications, Attendee, Kıbrıs, Cyprus (Kkct), 2008  
The 20th International Conf. of the Jangjeon Math. Soc., Attendee, Bursa, Turkey, 2008  
XVIII. Ulusal Matematik Sempozyumu, Attendee, İstanbul, Turkey, 2005  
XV. Ulusal Matematik Sempozyumu, Attendee, Mersin, Turkey, 2004  
The 16th International Conf. of the Jangjeon Math. Soc, Attendee, Antalya, Turkey, 2004

Antalya algebra Days VI, Attendee, Antalya, Turkey, 2004

XI. Ulusal Matematik Sempozyumu, Attendee, Isparta, Turkey, 1998

## Research Areas

Mathematics, General Mathematics, Convex and Discrete Geometry, Mathematics Education, Special Functions, Natural Sciences