

# SİNEM SEZER EVCAN

## PROF.

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MATEMATİK EĞİTİMİ ABD. 07058 ANTALYA

### International Researcher IDs

ORCID: 0000-0003-2066-7833

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## Learning Knowledge

Doctorate

1999 - 2005

Akdeniz University, Institute of Science, Turkey

Postgraduate

1995 - 1998

Akdeniz University, Institute of Science, Turkey

Undergraduate

1991 - 1995

Akdeniz University, Fen-Edebiyat Fakültesi, Turkey

## Foreign Languages

English, B2 Upper Intermediate

## Certificates, Courses and Trainings

Vocational Training, Öğretmenlik Mesleki Eğitim, Akdeniz University, 1995

## Dissertations

Doctorate, GENELLEŞMİŞ KAYMA OPERATÖRÜNÜN DOĞURDUĞU PARABOLİK POTANSİYELLER UZAYI, Akdeniz University, Faculty of Science, Department of Mathematics, 2005

Postgraduate, NOETHERİAN MODÜLLER, Akdeniz University, Faculty of Science, Department of Mathematics, 1998

## Academic Titles / Tasks

Professor

2022 - Continues

Akdeniz University, Faculty of Education, Mathematics and Science Education

Associate Professor

2013 - 2022

Akdeniz University, Faculty of Education, Mathematics and Science Education

Assistant Professor  
2006 - 2013

Akdeniz University, Faculty of Education, Department of Secondary School Science  
and Mathematics Branch Education

Research Assistant  
1995 - 2005

Akdeniz University, Faculty of Science, Department of Mathematics

## Jury Memberships

Post Graduate, Post Graduate, Akdeniz Üniversitesi, July, 2021  
Post Graduate, Post Graduate, Akdeniz Üniversitesi, June, 2021  
Post Graduate, Post Graduate, Akdeniz Üniversitesi, August, 2019  
Doctorate, Doctorate, Akdeniz Üniversitesi, July, 2017  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Akdeniz Üniversitesi, February, 2017  
Post Graduate, Post Graduate, Akdeniz Üniversitesi, July, 2016  
Post Graduate, Post Graduate, Akdeniz Üniversitesi, June, 2011

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

- 1. On a convergence rate of generalized truncated hypersingular integrals associated to generalized Flett potentials**  
Bayrakçı Doğan S., Sezer Evcan S., Eryiğit M., Çobanoğlu S.  
Science Asia / Journal of The Science Society of Thailand, vol.49, pp.101-107, 2022 (SCI-Expanded)
- 2. On the BMO spaces associated with the Laplace-Bessel differential operator**  
Bayrakçı Doğan S., Sezer Evcan S., Yıldız G., Kahraman R.  
TURKISH JOURNAL OF MATHEMATICS, vol.46, no.7, pp.2916-2926, 2022 (SCI-Expanded)
- 3. The Ostrowski inequality for s-convex functions in the third sense**  
Tmaztepe G., Sezer S., Eken Z., Sezer Evcan S.  
AIMS MATHEMATICS, vol.7, no.4, pp.5605-5615, 2022 (SCI-Expanded)
- 4. On the convergence of the Abel-Poisson means of multiple Fourier series**  
Sezer S., ERYİĞİT M., BAYRAKÇI DOĞAN S.  
Turkish Journal of Mathematics, vol.46, no.4, pp.1302-1309, 2022 (SCI-Expanded)
- 5. The convergence rate of truncated hypersingular integrals generated by the modified Poisson semigroup**  
ERYİĞİT M., Evcan S., ÇOBANOĞLU S.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, vol.2020, no.1, 2020 (SCI-Expanded)
- 6. A Balakrishnan-Rubin type hypersingular integral operator and inversion of Flett potentials**  
Evcan S., ERYİĞİT M., ÇOBANOĞLU S.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.49, no.4, pp.1405-1413, 2020 (SCI-Expanded)
- 7. The Development of a Mathematics Self-Report Inventory for Turkish Elementary Students**  
Akın A., Güzeller C. O., Sezer Evcan S.  
Eurasia Journal Of Mathematics Science And Technology Education, vol.12, no.9, pp.2373-2386, 2016 (SSCI)
- 8. On approximation properties of bi-parametric parabolic type potentials**  
Bayrakçı S., Sezer S.  
Publicationes Mathematicae, vol.78, no.1, pp.127-139, 2011 (SCI-Expanded)
- 9. On the Gauss-Weierstrass Summability of Multiple Trigonometric Series at  $\mu$ -smoothness Points**  
Sezer S., Aliev I. A.

- ACTA MATHEMATICA SINICA-ENGLISH SERIES, vol.27, no.4, pp.741-746, 2011 (SCI-Expanded)
10. **A new characterization of the Riesz potential spaces with the aid of a composite wavelet transform**  
Sezer S., Aliev I. A.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.372, no.2, pp.549-558, 2010 (SCI-Expanded)
  11. **An integral transform associated to the Poisson integral and inversion of Flett potentials**  
Aliev I. A., Sezer S., Eryigit M.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.321, no.2, pp.691-704, 2006 (SCI-Expanded)
  12. **On spaces of parabolic potentials associated with the singular heat operator**  
Sezer Evcan S., Aliyev İ.  
Turkish Journal Of Mathematics, vol.29, pp.299-314, 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. **Some integral inequalities for the product of s-convex functions in the fourth sense**  
KEMALİ S., SEZER EVCAN S., YEŞİLCE IŞIK İ., ADILOV G.  
International Journal of Nonlinear Analysis and Applications, vol.13, no.2, pp.103-116, 2022 (Peer-Reviewed Journal)
3. **Meslek Liseleri Zorunlu Matematik Dersi Öğretim Programlarının Karşılaştırılması: Türkiye ve Finlandiya**  
TINAZTEPE G., KEMALİ S., SEZER EVCAN S.  
Bolu Abant İzzet Baysal Üniversitesi , Eğitim Fakültesi Dergisi, vol.21, no.4, pp.1245-1258, 2021 (Peer-Reviewed Journal)
4. **The Rate of Convergence of Truncated Hypersingular Integrals Generated by the Generalized Poisson Semigroup**  
SEZER EVCAN S., ERYİĞİT M., ÇOBANOĞLU S.  
Researches in Mathematics, pp.29-42, 2020 (Peer-Reviewed Journal)
5. **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)
6. **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)
7. **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)
8. **Teachers' Opinions About Dyscalculia Seen in the Students Between the Ages of 6-14**  
Sezer Evcan S., Akın A.  
e-İlköğretim Online (elektronik), no.2, pp.757-775, 2011 (Peer-Reviewed Journal)
9. **On Approximation Properties of the Families of Flett and Generalized Flett Potentials**  
Sezer Evcan S.  
Int. J. Math. Analysis, pp.1905-1915, 2009 (Peer-Reviewed Journal)
10. **An inversion Formula for the Generalized Flett Potentials, International Journal of Mathematics and Computation**  
SEZER S.

International Journal of Mathematics and Computation, vol.2, pp.115-125, 2009 (Peer-Reviewed Journal)

11. **Composite wavelet transforms: Applications and perspectives**  
Rubin B., Aliyev İ., Sezer S., Bayrakçı S.  
RADON TRANSFORMS, GEOMETRY, AND WAVELETS, vol.464, no.null, pp.1, 2008 (Scopus)
12. **On order of non-tangential convergence of the meta-harmonic semigroup (Russian)**  
ALİYEV İ., Shafiev M., SEZER S.  
Akad. Nauk Azerbaidzhan. Dokl, vol.LXI, pp.10-15, 2005 (Peer-Reviewed Journal)

## Books & Book Chapters

1. **Composite Wavelet Transforms: Applications and Perspectives**  
ALİYEV İ., Rubin B., SEZER S., BAYRAKÇI S.  
in: Contemporary Mathematics, Radon Transforms, Geometry, and Wavelets, DeTurck D., Andrews G., Klein A., Editor, Amer. Math. Soc., Providence, Rı, Rhode Island, pp.1-25, 2008

## Refereed Congress / Symposium Publications in Proceedings

1. **TÜBİTAK 4004 DOĞA EĞİTİMİ VE BİLİM OKULLARI KAPSAMINDA GERÇEKLEŞTİRİLEN “HAYATIMIZDAKİ MATEMATİK: TARIM” PROJESİNİN DEĞERLENDİRİLMESİ**  
SEZER EVCAN S., ADİLOV G., TINAZTEPE G., BARUT S., KEMALİ S., EKEN Z.  
5th International Congress on Education, Distance Education and Educational Technology- ICDET, Antalya, Turkey, 29 - 30 November 2019
2. **Türkiye, Finlandiya Ve Almanya Meslek Okulları Matematik Programlarının Karşılaştırılması**  
KEMALİ S., TINAZTEPE G., SEZER S.  
IV. International Academic Research Congress, Antalya, Turkey, 30 October - 03 November 2018
3. **Meslek Okullarında Okutulan Matematik Müfredatının Karşılaştırılması: Türkiye ve Finlandiya**  
Tınaztepe G., KEMALİ S., Sezer Evcan S.  
VIth International Eurasian Educational Research Congress, Antalya, Turkey, 2 - 05 May 2018, pp.15
4. **Stress Coping Strategies of Students of Master s Program Without Thesis And Determining Depression Levels**  
GÜZELLER C. O., NASIRCILAR A. G., SEZER S.  
World Conference In Education on “Creating a Global Culture of Peace: Strategies for Curriculum Development and Implementantation, 2 - 07 September 2011
5. **A characterization of the Riesz potentials spaces with the aid of a composite wavelet transform**  
SEZER EVCAN S., ALİYEV İ.  
14-th International Congress on Computational and Applied Mathematics (ICCAM 2009), 29 September - 02 October 2009, pp.248
6. **Stress Coping Strategies of Students of Master’s Program Without Thesis and Determining Depression Levels**  
GÜZELLER C. O., NASIRCILAR A. G., SEZER S.  
WCCI 13th World Conference in Education., Antalya, Turkey, 2 - 06 September 2008, pp.601-617
7. **Beta-Semigroup and Riesz Potentials**  
SEZER EVCAN S., ALİYEV İ.  
20 th International Congress of Jangjeon Mathematical Society, 21 - 23 August 2008, pp.92
8. **On Inversion of Flett Potentials**  
SEZER EVCAN S., ALİYEV İ.  
16th International Conference of Jangjeon Mathematical Society, 4 - 06 June 2005, pp.49

## Other Publications

1. **Teleskopik Formül ve Uygulamaları, Matematik Dünyası**  
ALİYEV İ., SEZER S.  
Other, pp.58-61, 2010
2. **Yeniden Düzenleme eşitsizliği ve Uygulamaları, Matematik Dünyası**  
ALİYEV İ., SEZER S.  
Other, pp.61-63, 2007

## Academic and Administrative Experience

2012 - 2014	<b>Assistant Director of the Institute</b>	Akdeniz University, Faculty of Education, Ofmae
2011 - 2013	<b>Board Member</b>	Akdeniz University, Faculty of Education, Ofmae
2006 - 2012	<b>Head of Department</b>	Akdeniz University, Faculty of Education, Ofmae

## Courses

KONU ALANI DERS KİTABI İNCELEME, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

MATEMATİK EĞİTİMİNDE GÜNCEL ARAŞTIRMALAR II, Postgraduate, 2020 - 2021

TOPLUMA HİZMET UYGULAMALARI, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

ANALİZ II, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

ANALİZ I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

GENEL MATEMATİK I, Undergraduate, 2021 - 2022

MATEMATİK EĞİTİMİNDE GÜNCEL ARAŞTIRMALAR I, Postgraduate, 2021 - 2022, 2020 - 2021

ÖĞRETMENLİK UYGULAMASI, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

ANALİZ III, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

GENEL MATEMATİK II, Undergraduate, 2019 - 2020, 2018 - 2019

OKUL DENEYİMİ, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

ÖZEL ÖĞRETİM YÖNTEMLERİ , Undergraduate, 2016 - 2017

## Advising Theses

Sezer Evcan S., GENELLEŞMİŞ FLETT POTANSİYELLERİ ÜZERİNE, Postgraduate, U.ÜLKÜ(Student), 2022

Sezer Evcan S., Harmonik analizde bazı önemli yarıgrupların özellikleri ve çeşitli uygulamaları, Postgraduate, V.TARTAN(Student), 2021

Sezer Evcan S., Matematik eğitiminde problem kurma yaklaşımına dayalı öğretimin öğrencilerin akademik başarısına etkisi, Postgraduate, R.CİHAN(Student), 2019

Sezer Evcan S., İlköğretim yedinci sınıf öğrencileri için farklılaştırılmış matematik öğretiminin akademik başarıya etkisi, Postgraduate, T.DELİCE(Student), 2019

SEZER EVCAN S., Matematik Kabiliyeti Yüksek Ortaokul Öğrencilerinin Matematik Olimpiyatları Doğrultusunda Hazırlanmaları Üzerine Bir Çalışma, Postgraduate, S.ÇÖMLEK(Student), 2016

SEZER EVCAN S., İlköğretim İkinci Kademe Öğrencileri için Matematik Öz-Bildirim Envanterinin Geliştirilmesi ve Çeşitli Değişkenler Açısından İncelenmesi, Postgraduate, A.AKIN(Student), 2011

## Activities in Scientific Journals

Bilim Armonisi, Committee Member, 2020 - Continues

## Scientific Refereeing

Bilim Armonisi, Other Journals, June 2019

## Scientific Consultations

AKDENİZ ÜNİVERSİTESİ EĞİTİM FAKÜLTESİ, Other, Akdeniz University, Faculty Of Education, Mathematics and Science Education, Turkey, 2016 - Continues

## Metrics

Publication: 36

Citation (WoS): 22

Citation (Scopus): 26

H-Index (WoS): 4

H-Index (Scopus): 3

## Congress and Symposium Activities

Education, Distance Education and Technology-ICDET, Antalya, Kasım 2019, Attendee, Antalya, Turkey, 2019

5th International Congress on Education, Distance Education and Educational Technology- ICDET, Attendee, Antalya, Turkey, 2019

4th International Conference for Theory and Practice in Education,, Attendee, Budapest, Hungary, 2011

Bulgarian-Turkish-Ukrainian Scientific Conference Mathematical Analysis,Differential Equations and their Applications,, Attendee, Burgas, Bulgaria, 2010

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

5th International Workshop on Applications of Wavelets to Real World Problems,, Attendee, Kocaeli, Turkey, 2009

Mathematical Analysis Differential Equations and their Applications, Attendee, Gazimagusa, Cyprus (Kktc), 2008

The 20th International Congress of Jangjeon Mathematical Society, Attendee, Bursa, Turkey, 2008

XVIII. Ulusal Matematik Sempozyumu, İstanbul, Eylül 2005, Attendee, İstanbul, Turkey, 2005

16th International Conference of Jangjeon Mathematical Society, Attendee, Antalya, Turkey, 2005

Dynamical Systems and Applications,, Attendee, Antalya, Turkey, 2004

XV. Ulusal Matematik Sempozyumu , Mersin, Eylül 2002, Attendee, Mersin, Turkey, 2002

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

## Research Areas

Mathematics, Functional Analysis, Fourier Analysis, Integral Equations, Optimization, Special Functions, Natural Sciences