

Prof. YAŞAR ÇAKMAK

Personal Information

Email: ycakmak@cumhuriyet.edu.tr

Web: <https://avesis.cumhuriyet.edu.tr/ycakmak>

International Researcher IDs

ScholarID: 9LNOH8oAAAAJ

ORCID: 0000-0002-6820-1322

Publons / Web Of Science ResearcherID: JVE-0265-2024

Yoksis Researcher ID: 59784

Education Information

Doctorate, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, Turkey 1997 - 2003

Postgraduate, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, Turkey 1995 - 1997

Undergraduate, Sivas Cumhuriyet University, Fen-Edebiyat Fakültesi, Matematik Pr., Turkey 1988 - 1992

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Sonlu aralıkta integrallenemeyen potansiyele sahip Sturm-Liouville operatörlerin, spektral karakteristiklerine göre belirlenmesi, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2003

Postgraduate, Coulomb singülerliğine sahip sturm-liouville operatörünün iz'inin (trace) hesaplanması, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Matematik Bölümü, 1997

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2024 - Continues

Associate Professor, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2019 - 2024

Assistant Professor, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2005 - 2019

Lecturer PhD, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2003 - 2005

Research Assistant, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 1993 - 2003

Academic and Administrative Experience

Courses

Uzmanlık Alan Dersi, Postgraduate, 2018 - 2019
Öğretmenlik Uygulaması, Undergraduate, 2018 - 2019
Diferansiyel Denklemler, Undergraduate, 2019 - 2020
Kısmi Diferansiyel Denklemler - I, Undergraduate, 2019 - 2020
Diferansiyel Denklemler, Undergraduate, 2019 - 2020
Mühendislik Matematiği, Undergraduate, 2018 - 2019
Diferansiyel Denklemler - II, Undergraduate, 2018 - 2019
Diferansiyel Denklemler - I, Undergraduate, 2019 - 2020
Diferansiyel Denklemler - II, Undergraduate, 2018 - 2019
MAT 1156 GENEL MATEMATİK-II, Undergraduate, 2017 - 2018
MAT 2006 DİFERANSİYEL DENKLEMLER-II, Undergraduate, 2017 - 2018
Bitirme Ödevi/Tezi, Undergraduate, 2018 - 2019
MAT1155 GENEL MATEMATİK I, Undergraduate, 2017 - 2018
Diferansiyel Denklemler - I, Undergraduate, 2018 - 2019
MAT2005 DİFERANSİYEL DENKLEMLER-I, Undergraduate, 2017 - 2018
Genel Matematik - II, Undergraduate, 2016 - 2017
Lineer Cebir, Undergraduate, 2016 - 2017
MAT2215 DİFERANSİYEL DENKLEMLER (JEOFİZİK MÜH.), Undergraduate, 2016 - 2017
MAT2217 DİFERANSİYEL DENKLEMLER (GEOMATİK MÜH.), Undergraduate, 2016 - 2017
Genel Matematik - I, Undergraduate, 2017 - 2018
Genel Matematik - I, Undergraduate, 2017 - 2018
MAT1155 GENEL MATEMATİK I (ELEKTRİK E. MÜH.), Undergraduate, 2016 - 2017
Genel Matematik - II, Undergraduate, 2016 - 2017
Lineer Cebir, Undergraduate, 2016 - 2017
MAT1016 LİNEER CEBİR (ELEKTRİK E. MÜH.), Undergraduate, 2016 - 2017
Seminer Dersi, Postgraduate, 2016 - 2017
MAT2217 DİFERANSİYEL DENKLEMLER (MADEN MÜH.), Undergraduate, 2016 - 2017
Genel Matematik - II, Undergraduate, 2015 - 2016
Genel Matematik - I, Undergraduate, 2016 - 2017
Vektörel Analiz, Undergraduate, 2015 - 2016
Vektörel Analiz, Undergraduate, 2015 - 2016
Genel Matematik - I, Undergraduate, 2016 - 2017
Genel Matematik - II, Undergraduate, 2015 - 2016
Diferansiyel Denklemler, Undergraduate, 2015 - 2016
Diferansiyel Denklemler Ve Lineer Cebir, Undergraduate, 2015 - 2016
Mühendislik Matematiği, Undergraduate, 2014 - 2015
Matematik, Undergraduate, 2014 - 2015
Diferansiyel Denklemler - II, Undergraduate, 2013 - 2014
Mühendislik Matematiği, Undergraduate, 2013 - 2014
Diferansiyel Denklemler, Undergraduate, 2014 - 2015
Diferansiyel Denklemler - II, Undergraduate, 2013 - 2014
Diferansiyel Denklemler, Undergraduate, 2012 - 2013
Diferansiyel Denk., Undergraduate, 2012 - 2013
Diferansiyel Denk., Undergraduate, 2012 - 2013
Diferansiyel Denklemler - I, Undergraduate, 2010 - 2011
Kısmi Diferansiyel Denklemler - II, Undergraduate, 2010 - 2011

Diferansiyel Denklemler I, Undergraduate, 2010 - 2011
Analiz II, Undergraduate, 2009 - 2010
Kısmi Türevli Dif. Denk., Undergraduate, 2008 - 2009
Analiz II, Undergraduate, 2008 - 2009
Özel Fonks. Ve Dönüşümler - II, Undergraduate, 2008 - 2009
Kısmi Türevli Dif. Denk., Undergraduate, 2008 - 2009
Analiz I, Undergraduate, 2008 - 2009
Diferansiyel Denklemler, Undergraduate, 2007 - 2008
Analiz I, Undergraduate, 2008 - 2009
Diferansiyel Denklemler II, Undergraduate, 2007 - 2008
Diferansiyel Denklemler II, Undergraduate, 2007 - 2008
Temel Matematik I, Undergraduate, 2007 - 2008
Diferansiyel Denklemler II, Undergraduate, 2007 - 2008
Matematik III, Undergraduate, 2007 - 2008
Temel Matematik I, Undergraduate, 2007 - 2008
Özel Fonks. Ve Dönüşümler - I, Undergraduate, 2007 - 2008
Diferansiyel Denklemler I, Undergraduate, 2007 - 2008
Diferansiyel Denklemler II, Undergraduate, 2007 - 2008
Genel Matematik - II, Undergraduate, 2006 - 2007
Genel Matematik II, Undergraduate, 2006 - 2007
Analiz-II, Undergraduate, 2005 - 2006
Diferansiyel Denklemler I, Undergraduate, 2006 - 2007
Diferansiyel Denklemler I, Undergraduate, 2006 - 2007
Diferansiyel Denklemler, Undergraduate, 2005 - 2006
Analiz-I, Undergraduate, 2005 - 2006
Kısmi Diferansiyel Denklemler, Undergraduate, 2003 - 2004
Matematik, Associate Degree, 2003 - 2004

Advising Theses

Çakmak Y., Uyumlu kesirli bir difüzyon operatörünün çözümünün α -integral gösterimi ve operatörün temel özellikleri, Postgraduate, E.KOÇ(Student), 2023
Çakmak Y., Regüler Sturm-Liouville operatörü üzerine ters problemler, Postgraduate, G.ŞAHİN(Student), 2019
ÇAKMAK Y., Süreksizlik koşullarına sahip süreksiz katsayılı difüzyon operatörü için düz ve ters problemler, Doctorate, S.İŞİK(Student), 2013
ÇAKMAK Y., Diferansiyel operatörlerin regülerize izi üzerine, Postgraduate, M.KÖSEAHMETOĞLU(Student), 2012
ÇAKMAK Y., Süreksiz katsayılı difüzyon denkleminin çözümünün integral gösterilimi, Postgraduate, S.KARACAN(Student), 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Inverse nodal problem for the quadratic pencil of the Sturm-Liouville equations with parameter-dependent nonlocal boundary condition**
Çakmak Y., Keskin B.
TURKISH JOURNAL OF MATHEMATICS, vol.47, no.1, pp.397-404, 2023 (SCI-Expanded)
- II. **Trace Formulae for a Conformable Fractional Diffusion Operator**
Çakmak Y.
FILOMAT, vol.36, no.14, pp.4665-4674, 2022 (SCI-Expanded)
- III. **Inverse nodal problem for a conformable fractional diffusion operator**

- ÇAKMAK Y.
INVERSE PROBLEMS IN SCIENCE AND ENGINEERING, vol.29, no.9, pp.1308-1322, 2021 (SCI-Expanded)
- IV. **Half Inverse Problem for the Impulsive Diffusion Operator with Discontinuous Coefficient**
ÇAKMAK Y., IŞIK S.
FILOMAT, vol.30, no.1, pp.157-168, 2016 (SCI-Expanded)
- V. **Recovery of the Impulsive Diffusion Operator with Discontinuous Coefficient**
ÇAKMAK Y., IŞIK S.
APPLIED MATHEMATICS & INFORMATION SCIENCES, vol.8, no.5, pp.2267-2275, 2014 (SCI-Expanded)
- VI. **UNIQUENESS OF THE SOLUTION OF HALF INVERSE PROBLEM FOR THE IMPULSIVE STURM LIOUVILLE OPERATOR**
Ozkan A. S., KESKİN B., ÇAKMAK Y.
BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, vol.50, no.2, pp.499-506, 2013 (SCI-Expanded)
- VII. **Double Discontinuous Inverse Problems for Sturm-Liouville Operator with Parameter-Dependent Conditions**
Ozkan A. S., Keskin B., Cakmak Y.
ABSTRACT AND APPLIED ANALYSIS, 2013 (SCI-Expanded)
- VIII. **Boundary value problem for second-order differential equations with coulomb singularity on a finite interval**
Amirov R., Cakmak Y., Gulyaz S.
INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, vol.37, no.3, pp.125-140, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **Inverse Problems for a Conformable Fractional Diffusion Operator**
Çakmak Y.
Journal of New Theory, vol.44, pp.43-51, 2023 (Peer-Reviewed Journal)
- II. **Ambarzumyan-Type Theorem for a Conformable Fractional Diffusion Operator**
Çakmak Y.
Communications in Advanced Mathematical Sciences, vol.6, no.3, pp.142-147, 2023 (Peer-Reviewed Journal)
- III. **Inverse Nodal Problem for a Conformable Fractional Diffusion Operator With Parameter-Dependent Nonlocal Boundary Condition**
Çakmak Y.
CUMHURİYET SCIENCE JOURNAL, vol.44, no.2, pp.356-363, 2023 (Peer-Reviewed Journal)
- IV. **α –Integral Representation of The Solution for A Conformable Fractional Diffusion Operator and Basic Properties of The Operator**
Koç E., Çakmak Y.
CUMHURİYET SCIENCE JOURNAL, vol.44, no.1, pp.170-180, 2023 (Peer-Reviewed Journal)
- V. **Uniqueness Theorems for Sturm-Liouville Operator with Parameter Dependent Boundary Conditions and Finite Number Of Transmission Conditions**
ÇAKMAK Y., KESKİN B.
Cumhuriyet Science Journal, vol.38, no.3, pp.535-543, 2017 (Peer-Reviewed Journal)
- VI. **Ambarzumyan Type Theorems for a Class of Sturm-Liouville Problem**
ÖZKAN A. S., ÇAKMAK Y.
Cumhuriyet Science Journal, vol.38, no.3, pp.396-399, 2017 (Peer-Reviewed Journal)
- VII. **A Representation for Diffusion Equation with Discontinuous Coefficient**
Işık S., Çakmak Y.
Palestine Journal of Mathematics, vol.5, no.2, pp.130-137, 2016 (Scopus)
- VIII. **On Jost Solution of Diffusion Equation with Discontinuous Coefficient**
ÇAKMAK Y., IŞIK S.
Cumhuriyet Üniversitesi Fen Fakültesi Fen Bilimleri Dergisi, vol.32, no.1, pp.25-39, 2011 (Peer-Reviewed Journal)

- IX. **Bir Spektruma ve Normalleştirici Sayılara Göre Sturm Liouville Operatörler için Ters Inverse Problem**
AMİROV R., ÇAKMAK Y.
Cumhuriyet Üniversitesi Fen Fakültesi Fen Bilimleri Dergisi, vol.24, no.1, pp.34-50, 2003 (Peer-Reviewed Journal)
- X. **About System of Dirac Differential Equation Which has Discontinuity Point in Semi Axis**
GÜLYAZ ÖZYURT S., ÇAKMAK Y., AMİROV R.
Cumhuriyet Üniversitesi Fen Fakültesi Fen Bilimleri Dergisi, vol.24, no.2, pp.18-27, 2003 (Peer-Reviewed Journal)
- XI. **Trace Formula for the Sturm Liouville Operator with Singularity at $x=0$**
AMİROV R., ÇAKMAK Y.
Transactions of Academy of Sciences of Azerbaijan, Series of Physical-Technical and Mathematical Sciences, vol.21, no.1, pp.40-48, 2001 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **ON THE DIFFUSION OPERATOR WITH A PARAMETER-DEPENDENT INTEGRAL TYPE NONLOCAL BOUNDARY CONDITION**
Çakmak Y.
6. INTERNATIONAL HASANKEYF SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, Batman, Turkey, 18 - 19 November 2023, pp.700-701
- II. **On The Conformable Fractional Diffusion Operator With Parameter-Dependent Integral Type Nonlocal Boundary Condition**
Çakmak Y.
7. INTERNATIONAL GÖBEKLİTEPE SCIENTIFIC STUDIES CONGRESS, Şanlıurfa, Turkey, 11 - 12 November 2023, pp.38-39
- III. **A NOTE ON CONFORMABLE FRACTIONAL DIFFUSION OPERATOR**
Çakmak Y.
INTERNATIONAL İSTANBUL MODERN SCIENTIFIC RESEARCH CONGRESS -IV, İstanbul, Turkey, 16 - 18 December 2022, pp.117
- IV. **DIRECT PROBLEM FOR A CONFORMABLE FRACTIONAL DIFFUSION OPERATOR**
Çakmak Y.
3. INTERNATIONAL CAPPADOCIA SCIENTIFIC RESEARCH CONGRESS, Nevşehir, Turkey, 11 - 12 December 2022, pp.1506
- V. **Inverse Problem on Sturm-Liouville Operator with ParameterDependent Boundary and Finite number of TransmissionConditions**
ÇAKMAK Y., KESKİN B.
International Conference on Mathematics and Mathematics Education, Şanlıurfa, Turkey, 11 - 13 May 2017
- VI. **Süreksizlik Koşullarına Sahip Süreksiz Katsayılı Difüzyon Operatörü İçin Ters Problemler**
ÇAKMAK Y., IŞIK S.
9. Ankara Matematik Günleri, Turkey, 12 - 13 June 2014
- VII. **Inverse problem for Dirac Operators with Discontinuity Conditions Inside an Interval**
TOPSAKAL N., ÇAKMAK Y., AMİROV R.
Mathematical Analysis, Differential Equations and Their Applications, Mersin, Turkey, 4 - 09 October 2012
- VIII. **Süreksiz Katsayılı Difüzyon Denklemi Üzerine**
ÇAKMAK Y., IŞIK S.
6. Ankara Matematik Günleri, Ankara, Turkey, 2 - 03 June 2011
- IX. **Bir Spektrum ve Normalleştirici Sayılara Göre Sturm Liouville Operatörler için İverse Problem**
AMİROV R., ÇAKMAK Y.
XV.Ulusal Matematik Sempozyumu, Mersin, Turkey, 4 - 07 September 2002
- X. **Inverse Spectral Problem for the Differential Equations of the Second Order with Singularity**
AMİROV R., ÇAKMAK Y.

9th Int.Coll. on Differential Equations, Plovdiv, Bulgaria, 18 - 23 August 1998

XI. Trace formula for the Sturm-Liouville operator with singularity

Amirov R., Cakmak Y.

8th International Colloquium on Differential Equations, Plovdiv, Bulgaria, 18 - 23 August 1997, pp.9-16

Supported Projects

Çakmak Y., Project Supported by Higher Education Institutions, Regüler Sturm-Liouville Operatörü Üzerine Ters Problemler, 2017 - 2019

ÇAKMAK Y., Project Supported by Higher Education Institutions, Parametreye Bağlı Sınır Koşullarına ve Sonlu Sayıda Süreksizlik Koşullarına Sahip Sturm-Liouville Operatörünün Belirlenmesi, 2015 - 2016

Activities in Scientific Journals

Cumhuriyet Science Journal, Committee Member, 2019 - Continues

Scientific Refereeing

Cumhuriyet Science Journal, National Scientific Refreed Journal, July 2020

Cumhuriyet Science Journal, National Scientific Refreed Journal, July 2020

Metrics

Publication: 30

Citation (WoS): 26

Citation (Scopus): 34

H-Index (WoS): 4

H-Index (Scopus): 5

Congress and Symposium Activities

6. INTERNATIONAL HASANKEYF SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, Attendee, Batman, Turkey, 2023

7. INTERNATIONAL GÖBEKLİTEPE SCIENTIFIC STUDIES CONGRESS, Attendee, Şanlıurfa, Turkey, 2023

INTERNATIONAL İSTANBUL MODERN SCIENTIFIC RESEARCH CONGRESS -IV, Attendee, İstanbul, Turkey, 2022

3. INTERNATIONAL CAPPADOCIA SCIENTIFIC RESEARCH CONGRESS, Attendee, Nevşehir, Turkey, 2022

3. INTERNATIONAL CAPPADOCIA SCIENTIFIC RESEARCH CONGRESS, Session Moderator, Nevşehir, Turkey, 2022

International Conference on Mathematics and Mathematics Education, Attendee, Şanlıurfa, Turkey, 2017

Inverse problem for Dirac Operators with Discontinuity Conditions Inside an Interval, Working Group, Mersin, Turkey, 2012

6. ANKARA MATEMATİK GÜNLERİ, Audience, Ankara, Turkey, 2011

Bir Spektrum ve Normalleştirici Sayılara Göre Sturm Liouville Operatörler için Inverse Problem, Working Group, Mersin, Turkey, 2002

Inverse Spectral Problem for the Differential Equations of the Second Order with Singularity, Working Group, Plovdiv, Bulgaria, 1998

Trace Formula for the Sturm Liouville Operator with Singularity, Working Group, Plovdiv, Bulgaria, 1997

Singüleriteye sahip Sturm Liouville Operatörler için İz Trace Formülü, Working Group, Balıkesir, Turkey, 1997

Non Academic Experience

MİLLİ EĞİTİM BAKANLIĞI