

Prof. BAKİ KESKİN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAG-6058-2019

ScopusID: 35097377000

Yoksis Researcher ID: 52881

Education Information

Doctorate, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2001 - 2007

Postgraduate, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 1997 - 2000

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Mathematics, Turkey 1991 - 1996

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Aralığın iç noktasında süreksizliğe sahip ikinci mertebeden singüler operatörler için düz ve ters problemler, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), 2007

Postgraduate, Fourier serilerinin toplanabilirliği üzerine, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), 2000

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2019 - Continues

Associate Professor, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2013 - 2019

Assistant Professor, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2007 - 2013

Research Assistant, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 1997 - 2007

Academic and Administrative Experience

Dean, Sivas Cumhuriyet University, Mimarlık, Güzel Sanatlar ve Tasarım Fakültesi, 2019 - Continues
Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, 2016 - 2019
Sivas Cumhuriyet Üniversitesi, Kangal Meslek Yüksekokulu, 2010 - 2012

Courses

Genel Matematik - II, Undergraduate, 2018 - 2019
Matematik - II, Undergraduate, 2018 - 2019
Aralıkta süreksizliğe Sahip Bazı Difer. Oper. İçin Spektral Problemler, Doctorate, 2018 - 2019
Seminer Dersi, Doctorate, 2018 - 2019
Uzmanlık Alan Dersi, Postgraduate, 2019 - 2020
Analiz-I, Undergraduate, 2019 - 2020
Analiz-II, Undergraduate, 2018 - 2019
Uzmanlık Alan Dersi, Doctorate, 2019 - 2020
Genel Matematik - I, Undergraduate, 2018 - 2019
Dirac Operatörleri İçin Düz ve Ters Spektral Problemler, Doctorate, 2018 - 2019
Analiz - I, Undergraduate, 2018 - 2019
Bitirme Ödevi/Tezi, Undergraduate, 2018 - 2019
Genel Matematik - I, Undergraduate, 2018 - 2019
Matematik - I, Undergraduate, 2018 - 2019
Genel Matematik - II, Undergraduate, 2017 - 2018
Seminer Dersi, Postgraduate, 2017 - 2018
Diferansiyel Denklemler, Undergraduate, 2016 - 2017
Diferansiyel Denklemler, Undergraduate, 2016 - 2017
Diferansiyel Denk., Undergraduate, 2016 - 2017
Diferansiyel Denklemler, Undergraduate, 2017 - 2018
Genel Matematik - II, Undergraduate, 2015 - 2016
Genel Matematik - II, Undergraduate, 2015 - 2016
Genel Matematik - I, Undergraduate, 2016 - 2017
Genel Matematik - II, Undergraduate, 2015 - 2016
Strum-Liouville Operatörler İçin Ters Problemler, Postgraduate, 2015 - 2016
Mühendislik Matematiği, Undergraduate, 2015 - 2016
Mühendislik Matematiği, Undergraduate, 2015 - 2016
Genel Matematik - I, Undergraduate, 2015 - 2016
Genel Matematik - I, Undergraduate, 2015 - 2016
Kısmi Diferansiyel Denklemler - II, Undergraduate, 2013 - 2014
Kısmi Diferansiyel Denklemler - II, Undergraduate, 2013 - 2014
Kompleks Değ. Fonk. II, Undergraduate, 2012 - 2013
Kısmi Diferansiyel Denklemler - I, Undergraduate, 2013 - 2014
Olasılık ve İstatistik - II, Undergraduate, 2012 - 2013
Kompleks Değ. Fonk. II, Undergraduate, 2012 - 2013
Olasılık Ve İstatistik II, Undergraduate, 2012 - 2013
Olasılık Ve İstatistik II, Undergraduate, 2012 - 2013
Kısmi Diferansiyel Denklemler - I, Undergraduate, 2013 - 2014
Kompleks Değişkenli Fonksiyonlar- II, Undergraduate, 2012 - 2013
Kompleks Değişkenli Fonksiyonlar- II, Undergraduate, 2012 - 2013
Olasılık ve İstatistik - II, Undergraduate, 2012 - 2013
Kompleks Değişkenli Fonksiyonlar- I, Undergraduate, 2012 - 2013
Analitik Geometri - II, Undergraduate, 2011 - 2012
Olasılık ve İstatistik - I, Undergraduate, 2012 - 2013

Analitik Geometri - I, Undergraduate, 2012 - 2013
Analitik Geometri - II, Undergraduate, 2011 - 2012
Olasılık Ve İstatistik I, Undergraduate, 2012 - 2013
Kompleks Değ. Fonk. I, Undergraduate, 2012 - 2013
Kompleks Değişkenli Fonksiyonlar- I, Undergraduate, 2012 - 2013
Olasılık ve İstatistik - I, Undergraduate, 2012 - 2013
Olasılık Ve İstatistik I, Undergraduate, 2012 - 2013
Kompleks Değ. Fonk. I, Undergraduate, 2012 - 2013
Analitik Geometri - I, Undergraduate, 2012 - 2013
Analitik Geometri II, Undergraduate, 2010 - 2011
Genel Matematik - II, Undergraduate, 2010 - 2011
Analitik Geometri II, Undergraduate, 2010 - 2011
Analitik Geometri I, Undergraduate, 2010 - 2011
Kompleks Değişkenli Fonks. - II, Undergraduate, 2010 - 2011
Diferansiyel Denk., Undergraduate, 2010 - 2011
Analitik Geometri I, Undergraduate, 2010 - 2011
Kompleks Değişkenli Fonks. - I, Undergraduate, 2009 - 2010
Diferansiyel Denklemler - II, Undergraduate, 2009 - 2010
Genel Matematik - I, Undergraduate, 2010 - 2011
Diferansiyel Denklemler, Undergraduate, 2009 - 2010
Diferansiyel Denklemler II, Undergraduate, 2009 - 2010
Nümerik Analiz, Undergraduate, 2009 - 2010
Diferansiyel Denklemler I, Undergraduate, 2009 - 2010
Diferansiyel Denklemler - I, Undergraduate, 2009 - 2010
Matematik V, Undergraduate, 2007 - 2008
Diferansiyel Denklemler, Undergraduate, 2007 - 2008
Nümerik Analiz, Undergraduate, 2007 - 2008
Diferansiyel Denklemler Ve Lineer Cebir, Undergraduate, 2007 - 2008
Diferansiyel Denklemler Ve Lineer Cebir, Undergraduate, 2007 - 2008
Genel Matematik - II, Undergraduate, 2007 - 2008
Nümerik Analiz, Undergraduate, 2007 - 2008
Genel Matematik II, Undergraduate, 2007 - 2008
Analitik Geometri, Undergraduate, 2007 - 2008
Diferansiyel Denklemler, Undergraduate, 2007 - 2008

Advising Theses

Keskin B., Bir sınıf diferansiyel operatör için ters nodal problemler, Postgraduate, F.ERDEM(Student), 2019
KESKİN B., İntegro-dirac diferensiyel operatörü için ters nodal problemler, Postgraduate, H.DİLARA(Student), 2018
KESKİN B., Impulsive dirac operatörü için spektral problemler, Postgraduate, K.KÖSEOĞLU(Student), 2014
KESKİN B., Aralıkta süreksizlik noktalarına sahip dirac operatörü için spektral problemler, Postgraduate, A.YASİN(Student), 2014
Keskin B., Özkan A. S., Diferansiyel operatörlerin bir sınıfı için spektral problemler, Postgraduate, E.ARACI(Student), 2013
KESKİN B., Sınır koşulları parametreye bağlı süreksiz Sturm-Liouville operatörleri için spektral problemler, Postgraduate, N.YALÇIN(Student), 2011

Jury Memberships

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Sivas Cumhuriyet Üniversitesi, January, 2024

Associate Professor Exam, Associate Professor Exam, İzmir Yüksek Teknoloji Enstitüsü, December, 2023

Associate Professor Exam, Associate Professor Exam, Ege Üniversitesi, December, 2023

Appointment to Academic Staff-Professorship, Appointment Academic Staff, Sivas Cumhuriyet Üniversitesi, June, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Sivas Cumhuriyet Üniversitesi, June, 2022

Associate Professor Exam, Associate Professor Exam, Mersin Üniversitesi, March, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Sivas Cumhuriyet Üniversitesi, May, 2020

Associate Professor Exam, Associate Professor Exam, Yıldız Teknik Üniversitesi, March, 2020

Appointment to Academic Staff-Professorship, Appointment Academic Staff, Erciyes Üniversitesi, January, 2020

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Sivas Cumhuriyet Üniversitesi, January, 2020

Associate Professor Exam, Associate Professor Exam, Yıldız Teknik Üniversitesi, August, 2019

Associate Professor Exam, Associate Professor Exam, Karabük Üniversitesi, August, 2019

Associate Professor Exam, Associate Professor Exam, Giresun Üniversitesi, August, 2019

Associate Professor Exam, Associate Professor Exam, Erciyes Üniversitesi, August, 2019

Appointment to Academic Staff-Professorship, Appointment Academic Staff, Niğde Ömer Halisdemir Üniversitesi, June, 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **On the reconstruction of an integro-differential Dirac operator with parameter-dependent nonlocal integral boundary conditions from the nodal data**
Keskin B., Wang Y. P.
TURKISH JOURNAL OF MATHEMATICS, vol.48, no.2, pp.210-220, 2024 (SCI-Expanded)
- II. **A partial inverse problem for non-self-adjoint Sturm-Liouville operators with a constant delay**
Wang Y. P., KESKİN B., Shieh C.
Journal of Inverse and Ill-Posed Problems, vol.31, no.4, pp.479-486, 2023 (SCI-Expanded)
- III. **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)
- IV. **Inverse Nodal Problems for Dirac-Type Integro-Differential Operators with Linear Functions in the Boundary Condition**
KESKİN B., TEL AYDIN H.
NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION, vol.43, pp.1289-1301, 2022 (SCI-Expanded)
- V. **Inverse nodal problems for Dirac type integro differential system with a nonlocal boundary condition**
KESKİN B.
TURKISH JOURNAL OF MATHEMATICS, vol.46, no.6, pp.2430-2439, 2022 (SCI-Expanded)
- VI. **Inverse problems for one dimensional conformable fractional Dirac type integro differential system**
KESKİN B.
INVERSE PROBLEMS, vol.36, no.6, 2020 (SCI-Expanded)
- VII. **Reconstruction of the Volterra-type integro-differential operator from nodal points**
KESKİN B.
BOUNDARY VALUE PROBLEMS, 2018 (SCI-Expanded)
- VIII. **Reconstruction of the Dirac-Type Integro-Differential Operator From Nodal Data**

Keskin B., Tel H. D.

NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION, vol.39, no.11, pp.1208-1220, 2018 (SCI-Expanded)

- IX. **Inverse nodal problems for Dirac-type integro-differential operators**
Keskin B., Ozkan A. S.
JOURNAL OF DIFFERENTIAL EQUATIONS, vol.263, no.12, pp.8838-8847, 2017 (SCI-Expanded)
- X. **Inverse problems for impulsive Dirac operators with spectral parameters contained in the boundary and multitransfer conditions**
Keskin B.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.38, no.15, pp.3339-3345, 2015 (SCI-Expanded)
- XI. **Inverse nodal problems for Sturm-Liouville equation with eigenparameter-dependent boundary and jump conditions**
Ozkan A. S., KESKİN B.
INVERSE PROBLEMS IN SCIENCE AND ENGINEERING, vol.23, no.8, pp.1306-1312, 2015 (SCI-Expanded)
- XII. **Inverse spectral problems for impulsive Dirac operators with spectral parameters contained in the boundary and discontinuity conditions polynomially**
Keskin B.
NEURAL COMPUTING & APPLICATIONS, vol.23, no.5, pp.1329-1333, 2013 (SCI-Expanded)
- XIII. **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)
- XIV. **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)
- XV. **Uniqueness theorems for an impulsive Sturm-Liouville boundary value problem**
Ozkan A. S., Keskin B.
APPLIED MATHEMATICS-A JOURNAL OF CHINESE UNIVERSITIES SERIES B, vol.27, no.4, pp.428-434, 2012 (SCI-Expanded)
- XVI. **Spectral problem for a discontinuous integro-differential operator**
Keskin B., Ozkan A. S.
UKRAINIAN MATHEMATICAL JOURNAL, vol.64, no.2, pp.309-315, 2012 (SCI-Expanded)
- XVII. **Spectral problems for Sturm-Liouville operator with boundary and jump conditions linearly dependent on the eigenparameter**
Ozkan A. S., Keskin B.
INVERSE PROBLEMS IN SCIENCE AND ENGINEERING, vol.20, no.6, pp.799-808, 2012 (SCI-Expanded)
- XVIII. **Inverse spectral problems for Dirac operator with eigenvalue dependent boundary and jump conditions**
Keskin B., Ozkan A. S.
ACTA MATHEMATICA HUNGARICA, vol.130, no.4, pp.309-320, 2011 (SCI-Expanded)
- XIX. **Direct and inverse problems for the Dirac operator with a spectral parameter linearly contained in a boundary condition**
Amirov R., Keskin B., Ozkan A. S.
UKRAINIAN MATHEMATICAL JOURNAL, vol.61, no.9, pp.1365-1379, 2009 (SCI-Expanded)
- XX. **Inverse problems for impulsive Sturm-Liouville operator with spectral parameter linearly contained in boundary conditions**
Amirov R., Ozkan A. S., Keskin B.
INTEGRAL TRANSFORMS AND SPECIAL FUNCTIONS, vol.20, no.8, pp.607-618, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **Inverse Nodal Problems for Dirac-Type Integro-Differential System with Boundary Conditions Polynomially Dependent on the Spectral Parameter**
KESKİN B., Dilara T. H.
Cumhuriyet Science Journal, vol.40, no.4, pp.875-885, 2019 (Peer-Reviewed Journal)
- II. **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)
- III. **Spectral problems for impulsive Dirac operators with spectral parameters entering via polynomials in the boundary and discontinuity conditions**
KESKİN B.
Applied Mathematical Sciences, vol.6, pp.1893-1899, 2012 (Scopus)
- IV. **Inverse Spectral Problems for Discontinuous Sturm Liouville Operator with Eigenparameter Dependent Boundary Conditions**
KESKİN B., ÖZKAN A. S., YALÇIN N.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.60, no.1, pp.15-25, 2011 (ESCI)
- V. **Sınır Koşullarının Spektral Parametreyi İçerdiği Impulsive Sturm Liouville Sınır Değer Problemi İçin Düz ve Ters Problemler**
AMİROV R., KESKİN B., ÖZKAN A. S.
C.Ü. Fen Bilimleri Dergisi, vol.27, no.2, pp.13-23, 2006 (Peer-Reviewed Journal)
- VI. **Bessel Potansiyelli Sturm Liouville Denklemlerinin Çözümleri İçin İntegral Gösterimleri**
AMİROV R., KESKİN B.
C.Ü. Fen Bilimleri Dergisi, vol.27, no.2, pp.39-61, 2006 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Inverse Nodal Problems for Dirac-Type Integro-Differential System with Boundary Conditions Polynomially Dependent on the Spectral Parameter**
KESKİN B.
International Conference on Mathematics and Mathematics Education(ICMME-2018), Ordu University, Ordu, 27-29 June 2018, Ordu, Turkey, 27 - 29 June 2018
- II. **Inverse Nodal Problems For Dirac Differential Operators With Discontinuity Conditions Inside The Interval**
KESKİN B.
International Conference on Mathematics and Mathematics Education(ICMME-2018), Ordu University, Ordu, 27-29 June 2018, Ordu, Turkey, 27 - 29 June 2018
- III. **Reconstruction of Dirac-type integro-differential operators by nodal data**
KESKİN B., Tel H. D.
2nd International Science Symposium "Science Festival", Tiflis, Georgia, 5 - 08 September 2017
- IV. **Inverse nodal problems for convolution type integro-differential equation**
KESKİN B., Tel H. D.
2nd International Science Symposium "Science Festival", Tiflis, Georgia, 5 - 08 September 2017
- V. **Inverse Problem on Sturm-Liouville Operator with Parameter Dependent Boundary and Finite number of Transmission Conditions**
ÇAKMAK Y., KESKİN B.
International Conference on Mathematics and Mathematics Education, Şanlıurfa, Turkey, 11 - 13 May 2017
- VI. **SPEKTRAL PARAMETREYE BAĞLI SINIR VE SONLU SAYIDA SÜREKSİZLİK KOŞULUNA SAHİP DIRAC**

OPERATÖRLERİ İÇİN TERS PROBLEMLER

KESKİN B.

10. Ankara Matematik Günleri, Turkey, 11 June 2014 - 12 June 2015

VII. SINIR VE SÜREKSİZLİK KOŞULLARININ SPEKTRAL PARAMETREYİ İÇERDİĞİ DIRAC OPERATÖRLERİ İÇİN TERS PROBLEMLER

KESKİN B.

7. Ankara Matematik Günleri, Turkey, 31 - 01 May 2012

VIII. SINIR KOŞULLARI ve SÜREKSİZLİK KOŞULLARI PARAMETREYE BAĞLI STURM-LIOUVILLE OPERATÖRÜ İÇİN SPEKTRAL PROBLEMLER

KESKİN B.

5. Ankara Matematik Günleri, Turkey, 3 - 04 June 2010

Supported Projects

Keskin B., Project Supported by Higher Education Institutions, Aralıkta Süreksizliğe Sahip Dirac Diferansiyel Sistemlerinin Çözümü İçin Asimtotik Yaklaşımlar, 2018 - 2019

KESKİN B., ÖZKAN A. S., Project Supported by Higher Education Institutions, Süreksiz Katsayılı Sturm-Liouville operatörü için Ters Düğüm Problemi, 2016 - 2017

KESKİN B., ÖZKAN A. S., Project Supported by Higher Education Institutions, Konvolüsyon integro-diferansiyel operatörleri için ters nodal problemler, 2016 - 2017

KESKİN B., Project Supported by Higher Education Institutions, A tipi bireysel araştırma projesi 29 12 2015, 2015 - 2015

Activities in Scientific Journals

Cumhuriyet Science Journal, Editor, 2017 - Continues

Scientific Refereeing

MATHEMATICAL METHODS IN THE APPLIED SCIENCES, National Scientific Refreed Journal, January 2024

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, SCI Journal, September 2023

BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY, SCI Journal, August 2023

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, SCI Journal, January 2023

ACTA MATHEMATICA SCIENTIA, SCI Journal, September 2022

APPLIED MATHEMATICS-A JOURNAL OF CHINESE UNIVERSITIES SERIES B, Journal Indexed in SCI-E, May 2022

MATHEMATICAL METHODS IN THE APPLIED SCIENCES, SCI Journal, February 2022

INVERSE PROBLEMS IN SCIENCE AND ENGINEERING, SCI Journal, May 2020

JOURNAL OF INTEGRAL EQUATIONS AND APPLICATIONS, Journal Indexed in SCI-E, March 2020

MATHEMATICAL METHODS IN THE APPLIED SCIENCES, SCI Journal, December 2019

APPLIED MATHEMATICS AND COMPUTATION, SCI Journal, June 2019

MATHEMATICAL METHODS IN THE APPLIED SCIENCES, SCI Journal, May 2019

MATHEMATICAL METHODS IN THE APPLIED SCIENCES, SCI Journal, January 2018

INVERSE PROBLEMS, SCI Journal, November 2017

NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION, Journal Indexed in SCI-E, June 2017

INVERSE PROBLEMS IN SCIENCE AND ENGINEERING, SCI Journal, June 2013

MATHEMATICAL METHODS IN THE APPLIED SCIENCES, SCI Journal, June 2012

Metrics

Publication: 35

Citation (WoS): 148

Citation (Scopus): 198

H-Index (WoS): 7

H-Index (Scopus): 7