

Prof. Anar ADİLOĞLU

Personal Information

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Education Information

Doctorate, Bakü Devlet Üniversitesi, Uygulamalı Matematik Fakültesi, Uygulamalı Matematik, Azerbaycan 1993 - 1998
Under Graduate, Bakü Devlet Üniversitesi, Uygulamalı Matematik Fakültesi, Uygulamalı Matematik, Azerbaycan 1986 - 1992

Foreign Languages

Russian, C1 Advanced

English, B2 Upper Intermediate

Dissertations

Doctorate, Potensiyeli spektral parametreye polinomyal bağlı Sturm-Liouville operatörleri için dönüşüm operatörleri, özdeğerler için asimptotik formüller ve iz formülleri, Bakü Devlet Üniversitesi, Uygulamalı Matematik, Uygulamalı Matematik, 1998

Research Areas

Mathematics, Multivariate Complex Functions and Analytic Spaces, Differential Equations, Sequences, Series, Summability, Operators, Natural Sciences

Academic Titles / Tasks

Professor, Suleyman Demirel University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2017 - Continues

Professor, Cumhuriyet Üniversitesi, Fen Fakültesi, Matematik Bölümü , 2015 - 2017

Associate Professor, Cumhuriyet Üniversitesi, Fen Fakültesi, Matematik Bölümü , 2014 - 2015

Associate Professor, Cumhuriyet Üniversitesi, Eğitim Fakültesi, Ortaöğretim Fen Ve Matematik Alanları Eğitimi Bölümü, 2011 - 2014

Assistant Professor, Cumhuriyet Üniversitesi, Eğitim Fakültesi, Ortaöğretim Fen Ve Matematik Alanları Eğitimi Bölümü, 2006 - 2011

Assistant Professor, Bakü Devlet Üniversitesi, Uygulamalı Matematik Bölümü, Uygulamalı Matematik Bölümü, 2000 - 2005

Lecturer, Bakü Devlet Üniversitesi, Uygulamalı Matematik Bölümü, Uygulamalı Matematik Bölümü, 1997 - 2000

Research Assistant, Bakü Devlet Üniversitesi, Uygulamalı Matematik Enstitüsü, Uygulamalı Matematik Bölümü, 1992 - 1993

Professional Experience

Head of Department, Suleyman Demirel University, Mühendislik Fak., Bilgisayar Müh., 2017 - Continues
Head of Department, Cumhuriyet Üniversitesi, Eğitim Fakültesi, Ortaöğretim Fen Ve Matematik Alanları Bölümü , 2006 - 2014

Courses

Nümerik Analiz, Under Graduate, 2017 - 2018
İleri Hesaplama Yöntemleri, Post Graduate, 2017 - 2018
Kesir Mertebeden Diferansiyel Denklemler Teorisi ve Uygulamaları, Doctorate, 2017 - 2018
Sturm-Liouville Operatörleri için Düz ve Ters Problemler, Post Graduate, 2017 - 2018
Sayısal çözümler, Under Graduate, 2017 - 2018

Advising Theses

ADİLOĞLU A., Yüksek mertebeden süreksiz katsayılı adi lineer diferansiyel denklemlerin spektral özellikleri, Post Graduate, D.Nurten(Student), 2017
ADİLOĞLU A., Feedback kontrollü neutral delay diferansiyel denklemler, Doctorate, A.Fuat(Student), 2005

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Inverse problem of scattering theory for a class one-dimensional Schrodinger equation**
Mamedov K. R. , Nabiev A.
QUAESTIONES MATHEMATICAE, vol.42, pp.841-856, 2019 (Journal Indexed in SCI)
- II. **STATISTICALLY LOCALIZED SEQUENCES IN METRIC SPACES**
Nabiev A., Savas E., GÜRDAL M.
JOURNAL OF APPLIED ANALYSIS AND COMPUTATION, vol.9, pp.739-746, 2019 (Journal Indexed in SCI)
- III. **Uniqueness Properties of The Solution of The Inverse Problem for The Sturm-Liouville Equation With Discontinuous Leading Coefficient**
Adiloglu A., GÜRDAL M., KINCI A. N.
ANAIIS DA ACADEMIA BRASILEIRA DE CIENCIAS, vol.89, pp.2547-2561, 2017 (Journal Indexed in SCI)
- IV. **Characterization of the scattering data for the Sturm-Liouville operator**
Nabiev A., SALTAN S., Guerdal M.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.37, pp.2626-2637, 2014 (Journal Indexed in SCI)
- V. **Short-term relative antibacterial effect of octenidine dihydrochloride on the oral microflora in orthodontically treated patients**
DOGAN A. A. , ADİLOĞLU A., ONAL S., CETIN E. S. , Polat E., USKUN E., KÖKSAL F.
INTERNATIONAL JOURNAL OF INFECTIOUS DISEASES, vol.12, 2008 (Journal Indexed in SCI)
- VI. **The correlation between nitric oxide and vascular endothelial growth factor in spinal cord injury**
SAVAŞ S., Savas C., ALTUNTAS I., ADİLOĞLU A.
SPINAL CORD, vol.46, pp.113-117, 2008 (Journal Indexed in SCI)
- VII. **The effect of N-omega-nitro-L-arginine methyl ester and L-arginine on lung injury induced by abdominal aortic occlusion-reperfusion**
OKUTAN H., KIRIS I., ADİLOĞLU A., Savas C., KAPUCUOĞLU N., ALTUNTAS I., AKTÜRK O.
SURGERY TODAY, vol.38, pp.30-37, 2008 (Journal Indexed in SCI)
- VIII. **Inverse scattering problem for the Schrodinger-type equation with a polynomial energy-dependent potential**
Nabiev A.
INVERSE PROBLEMS, vol.22, pp.2055-2068, 2006 (Journal Indexed in SCI)

- IX. **Inspection of Turkish baths (hamams) with regard to public health**
KISIOGLU A. N. , ADILOGLU A., Uskun E., YUKSEL F., UYANIK A., UZUN E., ARIKAN S.
INDOOR AND BUILT ENVIRONMENT, vol.14, pp.495-499, 2005 (Journal Indexed in SCI)
- X. **Infection with Chlamydia pneumoniae but not Helicobacter pylori is related to elevated apolipoprotein B levels**
ADILOGLU A., CAN R., KINAY O., Aridogan B.
ACTA CARDIOLOGICA, vol.60, pp.599-604, 2005 (Journal Indexed in SCI)
- XI. **Transformation operators and asymptotic formulas for the eigenvalues of a polynomial pencil of Sturm-Liouville operators**
Guseinov I. M. , Nabiev A., Pashaev R.
SIBERIAN MATHEMATICAL JOURNAL, vol.41, pp.453-464, 2000 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **I-LOCALIZED SEQUENCES IN METRIC SPACES**
ADİLOĞLU A., SAVAŞ E., GÜRDAL M.
Facta Universitatis, Series: Mathematics and Informatic, vol.35, pp.459-469, 2020 (Journal Indexed in ESCI)
- II. **STATISTICALLY LOCALIZED SEQUENCES IN 2-NORMED SPACES**
YAMANCI U., ADİLOĞLU A., GÜRDAL M.
Honam Mathematical journal, vol.42, pp.161-173, 2020 (Journal Indexed in ESCI)
- III. **INVERSE SCATTERING FOR THE ONE DIMENSIONAL SCHRÖDINGER EQUATION WITH THE ENERGY DEPENDENT POTENTIAL AND DISCONTINUITY CONDITIONS**
ADİLOĞLU A., Amirov R.
Electronic Journal of Mathematical Analysis and Applications, vol.8, pp.198-208, 2020 (Refereed Journals of Other Institutions)
- IV. **On a Boundary Value Problem for a Polynomial Pencil of the Sturm Liouville Equation with Spectral Parameter in Boundary Conditions**
ADİLOĞLU A.
Applied Mathematics, vol.7, pp.2418-2423, 2016 (Refereed Journals of Other Institutions)
- V. **Asymptotic Formulas of the Solutions and the Trace Formulas for the Polynomial Pencil of the Sturm Liouville Operators**
ADİLOĞLU A.
Applied Mathematics, vol.7, pp.2411-2417, 2016 (Refereed Journals of Other Institutions)
- VI. **Integral Representations for the Solutions of the Generalized Schroedinger Equation in a Finite Interval**
ADİLOĞLU A., AMİROV R.
Advances in Pure Mathematics, vol.5, pp.777-795, 2015 (Refereed Journals of Other Institutions)
- VII. **Direct and inverse scattering problems for the one dimensional Schrödinger equation with the energy dependent potential and discontinuity conditions**
ADİLOĞLU A.
PROCEEDINGS OF THE INSTITUTE OF MATHEMATICS AND MECHANICS, vol.40, pp.315-331, 2014 (Refereed Journals of Other Institutions)
- VIII. **On the solutions of the quadratic pencil of the Sturm Liouville equation with steplike potential**
ADİLOĞLU A.
Cumhuriyet Üniversitesi Fen Bilimleri Dergisi, vol.29, pp.47-56, 2008 (Other Refereed National Journals)
- IX. **Asymptotic formulas for eigenvalues and trace formulas for polynomial pencil of Sturm Liouville equation**
NABİEV A.
Preprint of Baku State University, pp.1-76, 1996 (National Non-Refereed Journal)
- X. **Transformation operators of polynomial pencil of Sturm Liouville equation** Preprint of Baku State

University No2 1996 61p

NABİEV A.

Preprint of Baku State University, pp.1-61, 1996 (National Non-Refereed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Reconstruction of The Sturm-Liouville Operator with Discontinuities from Spectral Data**
AMİROV R., ADİLOĞLU A.
International Conference on Mathematics and Mathematics Educations(ICMME-2017, 11 - 13 May 2017
- II. **R Kh Amirov and A A Nabiev INVERSE PROBLEMS FOR THE QUADRATIC PENCIL OF THE DISCONTINUOUS STURM LIOUVILLE EQUATION p 20**
AMİROV R., ADİLOĞLU A.
International Conference Non-Harmonic Analysis and Differential Operators 25-27 May, 2016, Baku, Azerbaijan, 25 - 27 May 2016, pp.20
- III. **Inverse problems for the Quadratic Pencil of the Discontinuous Sturm Liouville Equation**
ADİLOĞLU A., AMİROV R.
International Conference Non-Harmonic Analysis and Differential Operators,Baku, Azerbaijan, 25 - 27 May 2016, pp.85
- IV. **On the inverse scattering problem for a polynomial pencil of one dimensional Schrödinger equation with discontinuity conditions**
ADİLOĞLU A., AMİROV R.
INTERNATIONAL CONFERENCE MATHEMATICAL ANALYSIS, DIFFERENTIAL EQUATIONS AND APPLICATIONS, 8 - 13 September 2015, pp.123-124
- V. **Inverse scattering problem for the impulsive Schrödinger equation with a polynomial spectral dependence in the potential**
AMİROV R., ADİLOĞLU A.
INTERNATIONAL CONFERENCE MATHEMATICAL ANALYSIS, DIFFERENTIAL EQUATIONS AND APPLICATIONS, 8 - 13 September 2015, pp.21-22
- VI. **A Adiloğlu Nabiev On the scattering problem for the one dimensional Schrödinger equation with energy dependent potential and discontinuity conditions s 10**
ADİLOĞLU A.
9. Ankara Matematik Günleri, Atılım Üniversitesi, Ankara, 12-13 Haziran 2014, Turkey, 12 - 13 June 2014, pp.10
- VII. **On the scattering problem for the one dimensional Schrödinger equation with energy dependent potential and discontinuity conditions**
ADİLOĞLU A.
9. Ankara Matematik Günleri, Atılım Üniversitesi, Ankara, Turkey, 12 - 13 June 2014, pp.10
- VIII. **Direct and inverse scattering problem for the one dimensional Schrödinger equation with energy dependent potential impulse**
ADİLOĞLU A.
International Conference on Nonlinear Differential Equations:Recent Developments and Applications, Antalya, Turkey, 2014, May 27-30, p.23, 27 - 30 May 2014
- IX. **On the Sturm Liouville problem with the discontinuous coefficient**
ADİLOĞLU A.
MATDER 13. matematik sempozyumu, Karabük-15-17 mayıs 2014, s.156, Turkey, 15 - 17 May 2014, pp.156
- X. **On an inverse problem for the discontinuous Schroedinger equation**
MAMEDOV H., ADİLOĞLU A.
International conference 'On actual problems of mathematics and mechanics' devoted to the 55 th anniversary of the Institute Mechanics and Mathematics of Azerbaijan. Baku, 15-16 May, 2014, p.270-271., 15 - 16 May 2014
- XI. **Inverse problems for differential equations with impuls**
AMİROV R., ADİLOĞLU A.

International Conference in honor of Vladimir A. Marchenko's 90 th birthday, Kharkiv, Ukraine, 20 - 24 August 2012, pp.6

- XII. **On the inverse scattering problem for the discontinuous Sturm-Liouville equation with a step-like potential**

ADİLOĞLU A., SALTAN S., GÜRDAL M.

International Conference in honor of Vladimir A. Marchenko's 90 th birthday, Kharkiv, Ukraine, 20 - 24 August 2012, pp.78

- XIII. **The Spectral Characteristic of the Sturm-Liouville Boundary Value Problem with a Polynomial Spectral Dependence in the Potential**

ADİLOĞLU A., Yalçınbaş S.

International Conference on Applied Analysis and Algebra (ICAAA), Yıldız Technical University, İstanbul, Turkey, 29 June - 02 July 2011, pp.265-266

- XIV. **On the inverse scattering problem for the one dimensional Schrödinger equation with polynomial spectral dependence in the potential**

ADİLOĞLU A.

IX Dinamik Sistemler Çalıştayı, İzmir, Turkey, 18 - 19 June 2009, pp.1

- XV. **Potansiyeli spektral parametreye polinomyal bağlı Sturm-Liouville denklemi için ters saçılma problemi üzerine**

ADİLOĞLU A.

XXI Ulusal Matematik Sempozyumu, Koç Üniversitesi, İstanbul, Turkey, 1 - 04 September 2008, pp.91

- XVI. **Boundary Value Problem for polynomial Pencil of Sturm-Liouville Equation with Spectral Parameter in Boundary Conditions**

ADİLOĞLU A.

International Workshop on Analysis and Its Applications, Mersin, Turkey, 7 - 11 September 2004, pp.55

- XVII. **On Sequence spaces with Ideal Structures**

Şahiner A., SALTAN S., ADİLOĞLU A.

IX ST.Petersburg Interregional Conference, Saint-Petersburg, Russia, 22 - 24 June 2004, pp.377-380

- XVIII. **The Existence of The Jost Solutions of Matrix-Polynomial Pencil of Sturm-Liouville equation**

SALTAN S., ADİLOĞLU A., Şahiner A.

IX ST.Petersburg Interregional Conference, Saint-Petersburg, Russia, 22 - 24 June 2004, pp.386-390

- XIX. **ANCA and anti-MPO antibodies in patients with long-standing rheumatoid arthritis without extra-articular involvement: Is there any correlation with the disease activity?**

Saves S., ADİLOĞLU A., CAN R., BAYRAM N.

Annual European Congress of Rheumatology, Lisbon, Portugal, 18 June 2003, vol.62, pp.403

- XX. **The transformation operator for high order pencil of Sturm-Liouville equation**

ADİLOĞLU A.

Materials of Conference of Young Researchers of Baku State University, Baku, Azerbaijan, 25 - 26 April 1995, pp.18

- XXI. **The transformation operators for high order pencil of Sturm-Liouville equation**

ADİLOĞLU A.

Materials of Conference of Young Researchers of Baku State University, Baku, Azerbaijan, 26 - 27 April 1994, pp.108

Supported Projects

ADİLOĞLU A., GÜRDAL M., TÜBİTAK Project, 1. Süreksiz Katsayılı Sturm-Liouville Operatörü İçin Spektral Analizin Direkt ve Ters Problemleri, 2014 - 2015

Scientific Refereeing

INVERSE PROBLEMS, SCI Journal, September 2017
Results in Mathematics, SCI Journal, June 2017
INVERSE PROBLEMS, SCI Journal, March 2017
INVERSE PROBLEMS, SCI Journal, November 2016
INVERSE PROBLEMS, SCI Journal, June 2016
Hacettepe Journal of Mathematics and Statistics, SCI Journal, March 2016
INVERSE PROBLEMS, SCI Journal, January 2016
Advances in Analysis, Other Indexed Journal, January 2016
Mathematical Modelling and Analysis, SCI Journal, April 2015

Citations

Total Citations (WOS):39

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