

## Prof. ELGİZ BAYRAM

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAF-6575-2020

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### Education Information

Doctorate, Azerbaycan Bilimler Akademisi, Matematik, Azerbaycan 1980 - 1985

Undergraduate, Baku State University Named After S. M. Kirov, Matematik, Azerbaycan 1975 - 1980

### Research Areas

Natural Sciences

### Academic Titles / Tasks

Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 1992 - Continues

### Academic and Administrative Experience

Deputy Head of Department, Ankara University, Fen Fakültesi, Matematik Bölümü, 2008 - 2011

### Courses

İLERİ SAÇILIM TEORİSİ, Doctorate, 2021 - 2022

İLERİ ANALİZ I, Undergraduate, 2022 - 2023

SAÇILIM TEORİSİ, Undergraduate, 2022 - 2023, 2021 - 2022

SPEKTRAL TEORİ, Undergraduate, 2021 - 2022

ANALİZ I, Undergraduate, 2022 - 2023

BİTİRME PROJESİ, Undergraduate, 2021 - 2022

ANALİZ II, Undergraduate, 2021 - 2022

DİFERENSİYEL OPERATÖRLERİN SPEKTRAL ANALİZİ I, Doctorate, 2022 - 2023

SAÇILIM TEORİSİ, Postgraduate, 2022 - 2023

DİFERENSİYEL OPERATÖRLERİN SPEKTRAL ANALİZİ II, Doctorate, 2021 - 2022

SPEKTRAL TEORİ1-2(2.ÖĞR.), Undergraduate, 2013 - 2014

MATEMATİK 1-2(İSTATİSTİK BÖL.2.ÖĞR.), Undergraduate, 2013 - 2014

SAÇILMA TEORİSİ1-2, Undergraduate, 2013 - 2014

SPEKTRAL TEORİ1-2, Undergraduate, 2013 - 2014

SAÇILMATEORİSİ1-2(2.ÖĞR.), Undergraduate, 2013 - 2014

KOMP.FONK.TEOR.1-2, Undergraduate, 2013 - 2014  
DİFERENSİYEL OPER.SPEK.ANAL., Postgraduate, 2013 - 2014  
ANALİZ 1-2, Undergraduate, 2013 - 2014

## Advising Theses

BAYRAM E., İmpulsif ayrık Sturm-Liouville denklemlerin saçılım teorisi, Postgraduate, A.AYDOĞDU(Student), 2021  
BAYRAM E., The Schrödinger equation with impulsive condition, Doctorate, E.YILDIRIM(Student), 2019  
BAYRAM E., Tüm reel eksenlerdeki matris katsayılı operatörlerin spektral analizi, Doctorate, Ş.CEBESOY(Student), 2017  
BAYRAM E., İmpulsive Schrödinger operatörünün spektral analizi, Postgraduate, Ş.SOLMAZ(Student), 2016  
BAYRAM E., Sturm-Liouville operatörü için saçılım teorisi, Postgraduate, G.BASAK(Student), 2015  
BAYRAM E., Krein teoremi ve iletim koşullu dissipatif operatörler, Doctorate, E.UĞURLU(Student), 2014  
BAYRAM E., Matris katsayılı fark denklemleri, Doctorate, Y.AYGAR(Student), 2013  
BAYRAM E., Weyl çemberi durumundaki Sturm-Liouville operatörleri, Postgraduate, P.İPEK(Student), 2012  
BAYRAM E., Dissipatif Sturm-Liouville operatörleri, Postgraduate, E.UĞURLU(Student), 2010  
BAYRAM E., Sınır koşulları spektral parametreye kuadratik bağımlı Sturm-Liouville operatörlerinin spektral teorisi, Doctorate, N.YOKUŞ(Student), 2010  
BAYRAM E., Sınır koşullarında spektral parametre bulunan non-selfadjoint fark operatörlerinin spektral analizi, Doctorate, T.KÖPRÜBAŞI(Student), 2010  
BAYRAM E., Yarı-sonsuz zaman skalaları üzerinde Sturm-Liouville operatörü, Doctorate, A.HUSEYNOV(Student), 2010  
BAYRAM E., Spectral theory of infinite jacobi matrices, Postgraduate, B.TÜRKER(Student), 2008  
BAYRAM E., Sonsuz jacobi matrislerinin spektral teorisi, B.TÜRKER(Student), 2008  
BAYRAM E., Sonsuz jacobi matrisleri için spektral eşitsizlikler, Postgraduate, Y.AYGAR(Student), 2008  
BAYRAM E., q-Fark denklemlerinin ikinci derece demetleri için özdeğer problemi ve uygulamaları, Postgraduate, A.HÜSEYNOV(Student), 2006  
BAYRAM E., Sınır koşullarında spektral parametre olan diferensiyel operatörlerin spektral analizi, Doctorate, M.SEYYİT(Student), 2006  
BAYRAM E., Basamak potansiyele sahip diferensiyel operatörler, Postgraduate, T.KÖPRÜBAŞI(Student), 2006  
BAYRAM E., Impulsive sturm-liouville operatörünün spektral analizi, Postgraduate, N.ÜNLTÜRK(Student), 2006  
BAYRAM E., Discret dirac operatörlerinin spektral analizi, Postgraduate, A.AFAT(Student), 2005  
BAYRAM E., Diskret schrödinger operatörlerinin spektral analizi, Postgraduate, A.PATIR(Student), 2005  
BAYRAM E., Non-selfadjoint diskret Schrödinger operatörünün spektral analizi, Doctorate, M.ADIVAR(Student), 2003  
BAYRAM E., Homojen olmayan denklemlerin spektral özellikleri, Doctorate, A.AKBULUT(Student), 2003  
BAYRAM E., Türevlenebilir fonksiyonlara lineer pozitif integral operatörler aileleriyle yaklaşımın asimptotik değeri, Doctorate, Y.ZEREN(Student), 2002  
BAYRAM E., Konvolüsyon tipinde olmayan integral operatörler ailesinin karakteristik noktalarda yakınsaklığı ve yakınsaklık hızı, Doctorate, S.ESEN(Student), 2002  
BAYRAM E., Pozitif çekirdekli integral operatörler dizisinin p-lebesgue noktalarında yakınsaklık hızı, Doctorate, N.KAPLAN(Student), 2002

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

- I. **Scattering problems of impulsive Schrodinger equations with matrix coefficients**  
Cebesoy S., Bairamov E., AYGAR KÜÇÜKEVCİLİOĞLU Y.  
RICERCHE DI MATEMATICA, vol.72, no.1, pp.399-415, 2023 (SCI-Expanded)
- II. **Spectral analysis of the impulsive quadratic pencil of Schrodinger operators with spectral singularities**  
Bairamov E., AYGAR KÜÇÜKEVCİLİOĞLU Y., Cebesoy S.  
COMPLEX VARIABLES AND ELLIPTIC EQUATIONS, vol.68, no.3, pp.430-444, 2023 (SCI-Expanded)

- III. **Scattering solutions and scattering function of a Klein-Gordon s-wave equation with jump conditions**  
Taş H., AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E.  
Turkish Journal of Mathematics, vol.47, no.2, pp.721-731, 2023 (SCI-Expanded)
- IV. **Scattering properties of impulsive difference dirac equations**  
Solmaz Ş., Bayram E.  
TURKISH JOURNAL OF MATHEMATICS, vol.46, no.2, pp.397-405, 2022 (SCI-Expanded)
- V. **Scattering theory of Dirac operator with the impulsive condition on whole axis**  
Bairamov E., Solmaz S.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.44, no.9, pp.7732-7746, 2021 (SCI-Expanded)
- VI. **On the spectral and scattering properties of eigenparameter dependent discrete impulsive Sturm-Liouville equations**  
AYGAR KÜÇÜKEVCİLİOĞLU Y., Bairamov E., Ozbey G. G.  
TURKISH JOURNAL OF MATHEMATICS, vol.45, no.2, pp.988-1000, 2021 (SCI-Expanded)
- VII. **SERIES EXPANSION, ASYMPTOTIC BEHAVIOR AND COMPUTATION OF THE VALUES OF THE SCHWARZSCHILD-MILNE INTEGRALS ARISING IN A RADIATIVE TRANSFER**  
AYGAR KÜÇÜKEVCİLİOĞLU Y., Bairamov E.  
APPLIED AND COMPUTATIONAL MATHEMATICS, vol.20, no.2, pp.236-246, 2021 (SCI-Expanded)
- VIII. **Scattering Properties of Eigenparameter-Dependent Impulsive Sturm-Liouville Equations**  
Bairamov E., AYGAR KÜÇÜKEVCİLİOĞLU Y., Oznur G. B.  
BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY, vol.43, no.3, pp.2769-2781, 2020 (SCI-Expanded)
- IX. **P,T, and PT-symmetries of impulsive Dirac systems**  
Bairamov E., Solmaz S., Cebesoy S.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.49, no.4, pp.1234-1244, 2020 (SCI-Expanded)
- X. **Fourth order differential operators with distributional potentials**  
Ugurlu E., Bairamov E.  
TURKISH JOURNAL OF MATHEMATICS, vol.44, no.3, pp.825-856, 2020 (SCI-Expanded)
- XI. **Scattering Theory of Impulsive Sturm-Liouville Equation in Quantum Calculus**  
AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E.  
BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY, vol.42, no.6, pp.3247-3259, 2019 (SCI-Expanded)
- XII. **Difference equations with a point interaction**  
Bayram E., Cebesoy S., Erdal İ.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.42, no.16, pp.5498-5508, 2019 (SCI-Expanded)
- XIII. **PROPERTIES OF EIGENVALUES AND SPECTRAL SINGULARITIES FOR IMPULSIVE QUADRATIC PENCIL OF DIFFERENCE OPERATORS**  
Bayram E., Cebesoy S., Erdal İ.  
JOURNAL OF APPLIED ANALYSIS AND COMPUTATION, vol.9, no.4, pp.1454-1469, 2019 (SCI-Expanded)
- XIV. **Investigation of Spectrum and Scattering Function of Impulsive Matrix Difference Operators**  
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., Cebesoy S.  
FILOMAT, vol.33, no.5, pp.1301-1312, 2019 (SCI-Expanded)
- XV. **Spectrum and scattering function of the impulsive discrete Dirac systems**  
BAYRAM E., Solmaz S.  
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.6, pp.3182-3194, 2018 (SCI-Expanded)
- XVI. **Spectral properties of an impulsive Sturm-Liouville operator**  
Bayram E., Erdal İ., Yardımcı Ş.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, vol.2018, 2018 (SCI-Expanded)
- XVII. **Spectral properties of non-selfadjoint Sturm Liouville operator with operator coefficient**  
BAYRAM E., Arpat E. K., MUTLU G.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.456, no.1, pp.293-306, 2017 (SCI-Expanded)
- XVIII. **The Spectral Analysis of a Nuclear Resolvent Operator Associated with a Second Order Dissipative**

## **Differential Operator**

Ugurlu E., BAYRAM E.

COMPUTATIONAL METHODS AND FUNCTION THEORY, vol.17, no.2, pp.237-253, 2017 (SCI-Expanded)

- XIX. **Scattering Analysis and Spectrum of Discrete Schrodinger Equations with Transmission Conditions**  
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., Karslioglu D.  
FILOMAT, vol.31, no.17, pp.5391-5399, 2017 (SCI-Expanded)
- XX. **A note on spectral properties of a Dirac system with matrix coefficient**  
AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E., YARDIMCI Ş.  
JOURNAL OF NONLINEAR SCIENCES AND APPLICATIONS, vol.10, no.4, pp.1459-1469, 2017 (SCI-Expanded)
- XXI. **Scattering Theory of Impulsive Sturm-Liouville Equations**  
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., Eren B.  
FILOMAT, vol.31, no.17, pp.5401-5409, 2017 (SCI-Expanded)
- XXII. **Spectral singularities of the matrix Schrodinger equations**  
BAYRAM E., Celiesoy S.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.45, no.4, pp.1007-1014, 2016 (SCI-Expanded)
- XXIII. **Spectral analysis of a selfadjoint matrix-valued discrete operator on the whole axis**  
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., Cebesoy S.  
JOURNAL OF NONLINEAR SCIENCES AND APPLICATIONS, vol.9, no.6, pp.4257-4262, 2016 (SCI-Expanded)
- XXIV. **Krein's Theorem for the Dissipative Operators with Finite Impulsive Effects**  
Ugurlu E., BAYRAM E.  
NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION, vol.36, no.2, pp.256-270, 2015 (SCI-Expanded)
- XXV. **On the rate of the convergence of the characteristic values of an integral operator associated with a dissipative fourth order differential operator in  $\lim_{\lambda \rightarrow 4}^{-}$  case with finite transmission conditions**  
Ugurlu E., BAYRAM E.  
JOURNAL OF MATHEMATICAL CHEMISTRY, vol.52, no.10, pp.2627-2644, 2014 (SCI-Expanded)
- XXVI. **Spectral analysis of eigenparameter dependent boundary value transmission problems**  
Ugurlu E., BAYRAM E.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.413, no.1, pp.482-494, 2014 (SCI-Expanded)
- XXVII. **Krein's Theorems for a Dissipative Boundary Value Transmission Problem**  
BAYRAM E., Ugurlu E.  
COMPLEX ANALYSIS AND OPERATOR THEORY, vol.7, no.4, pp.831-842, 2013 (SCI-Expanded)
- XXVIII. **Dissipative operators with impulsive conditions**  
Ugurlu E., BAYRAM E.  
JOURNAL OF MATHEMATICAL CHEMISTRY, vol.51, no.6, pp.1670-1680, 2013 (SCI-Expanded)
- XXIX. **Eigenparameter dependent Sturm-Liouville problems in boundary conditions with transmission conditions**  
PAŞAOĞLU B., BAYRAM E., Ugurlu E.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.401, no.1, pp.388-396, 2013 (SCI-Expanded)
- XXX. **On convergence, asymptotic behaviour and computational algorithm of generalized exponential integral functions arising in a radiative transfer**  
BAYRAM E., ÖZALP N.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.113, no.14, pp.1818-1825, 2012 (SCI-Expanded)
- XXXI. **Jost solution and the spectral properties of the matrix-valued difference operators**  
AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E.  
APPLIED MATHEMATICS AND COMPUTATION, vol.218, no.19, pp.9676-9681, 2012 (SCI-Expanded)
- XXXII. **On the characteristic values of the real component of a dissipative boundary value transmission problem**  
BAYRAM E., Ugurlu E.  
APPLIED MATHEMATICS AND COMPUTATION, vol.218, no.19, pp.9657-9663, 2012 (SCI-Expanded)
- XXXIII. **Selfadjoint extensions of a singular differential operator**

- BAYRAM E., Mert R. O., İSMAİLOV Z.  
 JOURNAL OF MATHEMATICAL CHEMISTRY, vol.50, no.5, pp.1100-1110, 2012 (SCI-Expanded)
- XXXIV. **Uniform convergence and numerical computation of the Hubbell radiation rectangular source integral**  
 BAYRAM E., ÖZALP N.  
 RADIATION PHYSICS AND CHEMISTRY, vol.80, no.12, pp.1312-1315, 2011 (SCI-Expanded)
- XXXV. **The spectrum of eigenparameter-dependent discrete Sturm-Liouville equations**  
 BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., Koprubasi T.  
 JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.235, no.16, pp.4519-4523, 2011 (SCI-Expanded)
- XXXVI. **Properties of the two-dimensional exponential integral functions**  
 AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E.  
 JOURNAL OF MATHEMATICAL CHEMISTRY, vol.49, no.5, pp.1014-1025, 2011 (SCI-Expanded)
- XXXVII. **The determinants of dissipative Sturm-Liouville operators with transmission conditions**  
 BAYRAM E., Ugurlu E.  
 MATHEMATICAL AND COMPUTER MODELLING, vol.53, no.5-6, pp.805-813, 2011 (SCI-Expanded)
- XXXVIII. **Uniform convergence and computation of the generalized exponential integrals**  
 ÖZALP N., BAYRAM E.  
 JOURNAL OF MATHEMATICAL CHEMISTRY, vol.49, no.2, pp.520-530, 2011 (SCI-Expanded)
- XXXIX. **On the eigenvalues of a 3 by 3 non-Hermitian Hamiltonian**  
 Ergun E., BAYRAM E.  
 JOURNAL OF MATHEMATICAL CHEMISTRY, vol.49, no.2, pp.609-617, 2011 (SCI-Expanded)
- XL. **Jost Solution and the Spectrum of the Discrete Dirac Systems**  
 BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., OLGUN M.  
 BOUNDARY VALUE PROBLEMS, vol.2010, 2010 (SCI-Expanded)
- XLI. **Uniform convergence and the properties of the exponential and generalized exponential integral functions**  
 BAYRAM E., YARDIMCI Ş.  
 JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.111, no.16, pp.2471-2473, 2010 (SCI-Expanded)
- XLII. **Non-Self-Adjoint Singular Sturm-Liouville Problems with Boundary Conditions Dependent on the Eigenparameter**  
 BAYRAM E., Seyyidoglu M. S.  
 ABSTRACT AND APPLIED ANALYSIS, vol.2010, 2010 (SCI-Expanded)
- XLIII. **Eigenparameter dependent discrete Dirac equations with spectral singularities**  
 BAYRAM E., Koprubasi T.  
 APPLIED MATHEMATICS AND COMPUTATION, vol.215, no.12, pp.4216-4220, 2010 (SCI-Expanded)
- XLIV. **Spectral Singularities of Sturm-Liouville Problems with Eigenvalue-Dependent Boundary Conditions**  
 BAYRAM E., Yokus N.  
 ABSTRACT AND APPLIED ANALYSIS, vol.2009, 2009 (SCI-Expanded)
- XLV. **An eigenvalue problem for quadratic pencils of q-difference equations and its applications**  
 Huseynov A., BAYRAM E.  
 APPLIED MATHEMATICS LETTERS, vol.22, no.4, pp.521-527, 2009 (SCI-Expanded)
- XLVI. **Discrete spectrum of a general quadratic pencil of Schrodinger equations**  
 Akbulut A., BAYRAM E.  
 INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, vol.37, no.5, pp.307-315, 2006 (SCI-Expanded)
- XLVII. **On the spectrum of the difference equations of second order**  
 Akbulut A., Adivar M., BAYRAM E.  
 PUBLICATIONES MATHEMATICAE-DEBRECEN, vol.67, no.3-4, pp.253-263, 2005 (SCI-Expanded)
- XLVIII. **The structure of the spectrum of a system of difference equations**  
 BAYRAM E., Coskun C.  
 APPLIED MATHEMATICS LETTERS, vol.18, no.4, pp.387-394, 2005 (SCI-Expanded)

- XLIX. Jost solutions and the spectrum of the system of difference equations**  
 BAYRAM E., Coskun C.  
 APPLIED MATHEMATICS LETTERS, vol.17, no.9, pp.1039-1045, 2004 (SCI-Expanded)
- L. Spectral properties of the nonhomogeneous Klein-Gordon s-wave equations**  
 BAYRAM E.  
 ROCKY MOUNTAIN JOURNAL OF MATHEMATICS, vol.34, no.1, pp.1-11, 2004 (SCI-Expanded)
- LI. Spectral properties of a finite system of Sturm-Liouville differential operators**  
 BAYRAM E., Kir E.  
 INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, vol.35, no.2, pp.249-256, 2004 (SCI-Expanded)
- LII. Difference equations of second order with spectral singularities**  
 Adivar M., BAYRAM E.  
 JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.277, no.2, pp.714-721, 2003 (SCI-Expanded)
- LIII. Spectral singularities of the nonhomogeneous Sturm-Liouville equations**  
 Adivar M., BAYRAM E.  
 APPLIED MATHEMATICS LETTERS, vol.15, no.7, pp.825-832, 2002 (SCI-Expanded)
- LIV. Spectral singularities of Klein-Gordon s-wave equations with an integral boundary condition**  
 BAYRAM E., Karaman O.  
 ACTA MATHEMATICA HUNGARICA, vol.97, no.1-2, pp.121-131, 2002 (SCI-Expanded)
- LV. Spectral properties of non-selfadjoint difference operators**  
 Adivar M., BAYRAM E.  
 JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.261, no.2, pp.461-478, 2001 (SCI-Expanded)
- LVI. Spectral singularities of the Klein-Gordon s-wave equation**  
 BAYRAM E., Cakar O., Yanik C.  
 INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, vol.32, no.6, pp.851-857, 2001 (SCI-Expanded)
- LVII. Dissipative operators generated by the Sturm-Liouville differential expression in the Weyl limit circle case**  
 BAYRAM E., Krall A.  
 JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.254, no.1, pp.178-190, 2001 (SCI-Expanded)
- LVIII. Spectral analysis of non-selfadjoint discrete Schrodinger operators with spectral singularities**  
 Krall A., BAYRAM E., Cakar O.  
 MATHEMATISCHE NACHRICHTEN, vol.231, pp.89-104, 2001 (SCI-Expanded)
- LIX. Non-selfadjoint difference operators and Jacobi matrices with spectral singularities**  
 BAYRAM E., Cakar O., Krall A.  
 MATHEMATISCHE NACHRICHTEN, vol.229, pp.5-14, 2001 (SCI-Expanded)
- LX. Spectrum and spectral expansion for the non-selfadjoint discrete Dirac operators**  
 BAYRAM E., Celebi A.  
 QUARTERLY JOURNAL OF MATHEMATICS, vol.50, no.200, pp.371-384, 1999 (SCI-Expanded)
- LXI. Spectrum and spectral singularities of a quadratic pencil of a Schrodinger operator with a general boundary condition**  
 Krall A., BAYRAM E., Cakar O.  
 JOURNAL OF DIFFERENTIAL EQUATIONS, vol.151, no.2, pp.252-267, 1999 (SCI-Expanded)
- LXII. An eigenfunction expansion for a quadratic pencil of a Schrodinger operator with spectral singularities**  
 BAYRAM E., Cakar O., Krall A.  
 JOURNAL OF DIFFERENTIAL EQUATIONS, vol.151, no.2, pp.268-289, 1999 (SCI-Expanded)
- LXIII. Discrete spectrum and principal functions of non-selfadjoint differential operator**  
 Tunca G., BAYRAM E.  
 CZECHOSLOVAK MATHEMATICAL JOURNAL, vol.49, no.4, pp.689-700, 1999 (SCI-Expanded)
- LXIV. Quadratic pencil of Schrodinger operators with spectral singularities: Discrete spectrum and principal functions**  
 BAYRAM E., Cakar O., Celebi A.

JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.216, no.1, pp.303-320, 1997 (SCI-Expanded)

LXV. **Spectral properties of the Klein-Gordon s-wave equation with complex potential**

BAYRAM E., Celebi A.

INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, vol.28, no.6, pp.813-824, 1997 (SCI-Expanded)

### Articles Published in Other Journals

- I. **On Dirichlet-integrable solutions of left-definite Hamiltonian systems**  
Uğurlu E., Bayram E.  
BOLETIN DE LA SOCIEDAD MATEMATICA MEXICANA, vol.29, no.2, 2023 (ESCI)
- II. **SPECTRUM AND SYMMETRIES OF THE IMPULSIVE DIFFERENCE EQUATIONS**  
BAYRAM E., Cebesoy S., Solmaz S.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.70, no.1, pp.38-51, 2021 (ESCI)
- III. **Scattering Function and The Resolvent of The Impulsive Boundary Value Problem**  
Bairamov E., ÖZNUR G. B.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.34, no.4, pp.1077-1087, 2021 (ESCI)
- IV. **On singular dissipative fourth order differential operator in lim 4 case**  
uğurlu e., BAİRAMOV E.  
Math. Anal, 2013 (Peer-Reviewed Journal)
- V. **Spectral analysis of nonselfadjoint Schrödinger operators with spectral parameter in boundary conditions**  
BAİRAMOV E., ÇELEBİ A. O.  
Facta Univ. Ser. Math. Inform, no.13, pp.79-94, 1998 (Peer-Reviewed Journal)

### Books & Book Chapters

- I. **Spectral properties and scattering problems of eigenparameter dependent impulsive Sturm-Liouville Equations**  
AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E., ÖZBEY G. G.  
in: PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON CONTROL AND OPTIMIZATION WITH INDUSTRIAL APPLICATIONS, VOL I, , Editor, Minist Transport Commun & High Technologies Republ Azerbaijan; Baku State Univ, Inst Appl Math, Baku, pp.113-115, 2018

### Refereed Congress / Symposium Publications in Proceedings

- I. **Impulsive discrete Dirac equation with spectral parameter**  
ÖZNUR G. B., BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y.  
International Conference on Applied Mathematics in Engineering (ICAME), Balıkesir, Turkey, 1 - 03 September 2021
- II. **Scattering analysis of discrete Schrödinger equations with impulsive conditions**  
AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E., KARSLIOĞLU D.  
7th International Conference on Applied Analysis and Mathematical Modelling (ICAAMM18), İstanbul, Turkey, 20 - 24 June 2018
- III. **Impulsive Discrete Dirac Operators with spectral singularities**  
CEBESOY Ş., BAYRAM E.  
International Conference on applied analysis and mathematical modelling (ICAAMM17), İstanbul, Turkey, 3 - 07 July 2017

- IV. **Bessel-Type Dissipative Operators with transmission conditions**  
UĞURLU E., BAYRAM E.  
International workshop on mathematical methods in engineering (MME2017), 27 - 29 April 2017
- V. **Spectral properties of nonselfadjoint Sturm-Liouville Operator with operator coefficient**  
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