

# Prof. Bilender PAŞAOĞLU

## Personal Information

**Email:** bilenderpasaoglu@sdu.edu.tr

**Web:** <https://w3.sdu.edu.tr/personel/03593/prof-dr-bilender-pasaoglu>

**Address:** Süleyman Demirel Üniversitesi Fen-Edebiyat Fakültesi Matematik Bölümü 32260, Isparta

## Education Information

Doctorate, Azerbaycan Bilimler Akademisi, Matematik Ve Mekanik Enstitüsü, Matematik, Azerbaycan 1978 - 1982

Undergraduate, Bakü Devlet Üniversitesi, Uygulamalı Matematik, Matematik, Azerbaycan 1972 - 1977

## Foreign Languages

English, B1 Intermediate

Russian, B2 Upper Intermediate

## Dissertations

Doctorate, ---, Azerbaycan Bilimler Akademisi, Matematik Ve Mekanik Enstitüsü, Matematik, 1982

## Research Areas

Mathematics, Differential Equations, Functional Equations, Operators, Natural Sciences

## Academic Titles / Tasks

Professor, Suleyman Demirel University, Fen Edebiyat Fakültesi, Matematik Bölümü, 1997 - Continues

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

- I. **Conformable fractional Sturm-Liouville problems on time scales**  
PAŞAOĞLU B., TUNA H.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, 2021 (Journal Indexed in SCI)
- II. **Extensions of the matrix-valued  $q$ -Sturm-Liouville operators**  
Paşaoğlu Allahverdiev B., Tuna H.  
TURKISH JOURNAL OF MATHEMATICS, vol.45, no.3, pp.1479-1494, 2021 (Journal Indexed in SCI)
- III. **DILATIONS, MODELS AND SPECTRAL PROBLEMS OF NON-SELF-ADJOINT SRURM-LIUVILLE OPERATORS**  
Allahverdiev B.  
MISKOLC MATHEMATICAL NOTES, vol.22, no.1, pp.17-32, 2021 (Journal Indexed in SCI)
- IV. **Dissipative Dirac Operator with General Boundary Conditions on Time Scales**  
Allahverdiev B., Tuna H.

UKRAINIAN MATHEMATICAL JOURNAL, vol.72, no.5, pp.671-689, 2020 (Journal Indexed in SCI)

- V. **On the resolvent of singular Sturm-Liouville operators with transmission conditions**  
Allahverdiev B., TUNA H.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.43, no.7, pp.4286-4302, 2020 (Journal Indexed in SCI)
- VI. **Qualitative Spectral Analysis of Singular  $q$ -Sturm-Liouville Operators**  
Allahverdiev B., Tuna H.  
Bulletin of the Malaysian Mathematical Sciences Society, vol.43, no.2, pp.1391-1402, 2020 (Journal Indexed in SCI)
- VII. **A Representation of the Resolvent Operator of Singular Hahn-Sturm-Liouville Problem**  
Allahverdiev B., TUNA H.  
NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION, vol.41, no.4, pp.413-431, 2020 (Journal Indexed in SCI)
- VIII. **PROPERTIES OF THE RESOLVENT OF SINGULAR  $q$ -DIRAC OPERATORS**  
Allahverdiev B., TUNA H.  
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, 2020 (Journal Indexed in SCI)
- IX. **Limit-point criteria for  $q$ -Sturm-Liouville equations**  
Allahverdiev B., Tuna H.  
Quaestiones Mathematicae, vol.42, no.10, pp.1291-1299, 2019 (Journal Indexed in SCI)
- X. **INDICES DEFECT THEORY OF SINGULAR HAHN-STURM-LIOUVILLE OPERATORS**  
Allahverdiev B., Tuna H.  
JOURNAL OF APPLIED ANALYSIS AND COMPUTATION, vol.9, no.5, pp.1719-1730, 2019 (Journal Indexed in SCI)
- XI. **Conformable fractional Sturm-Liouville equation**  
Allahverdiev B., Tuna H., YALCINKAYA Y.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.42, no.10, pp.3508-3526, 2019 (Journal Indexed in SCI)
- XII. **Titchmarsh-Weyl theory for  $q$ -Dirac systems**  
Allahverdiev B., Tuna H.  
INFINITE DIMENSIONAL ANALYSIS QUANTUM PROBABILITY AND RELATED TOPICS, vol.22, no.2, 2019 (Journal Indexed in SCI)
- XIII. **ON EXPANSION IN EIGENFUNCTION FOR  $q$ -DIRAC SYSTEMS ON THE WHOLE LINE**  
Allahverdiev B., TUNA H.  
MATHEMATICAL REPORTS, vol.21, no.3, pp.369-382, 2019 (Journal Indexed in SCI)
- XIV. **The spectral expansion for the Hahn-Dirac system on the whole line**  
Pasaoglu Allahverdiev B., Tuna H.  
TURKISH JOURNAL OF MATHEMATICS, vol.43, no.3, pp.1668-1687, 2019 (Journal Indexed in SCI)
- XV. **Extensions, dilations, and spectral problems of singular Hamiltonian systems**  
Allahverdiev B.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.41, no.5, pp.1761-1773, 2018 (Journal Indexed in SCI)
- XVI. **Spectral expansion for the singular Dirac system with impulsive conditions**  
Pasaoglu Allahverdiev B., TUNA H.  
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.5, pp.2527-2545, 2018 (Journal Indexed in SCI)
- XVII. **An expansion theorem for  $q$ -Sturm-Liouville operators on the whole line**  
Pasaoglu Allahverdiev B., TUNA H.  
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.3, pp.1060-1071, 2018 (Journal Indexed in SCI)
- XVIII. **Dissipative  $q$ -Dirac operator with general boundary conditions**  
Allahverdiev B., Tuna H.  
QUAESTIONES MATHEMATICAE, vol.41, no.2, pp.239-255, 2018 (Journal Indexed in SCI)
- XIX. **The dynamic instability of FG orthotropic conical shells within the SDT**  
SOFIYEV A. H., Zerin Z., Allahverdiev B., HUI D., Turan F., ERDEM H.  
STEEL AND COMPOSITE STRUCTURES, vol.25, no.5, pp.581-591, 2017 (Journal Indexed in SCI)
- XX. **One-dimensional  $q$ -Dirac equation**  
Allahverdiev B., Tuna H.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.40, no.18, pp.7287-7306, 2017 (Journal Indexed in

SCI)

- XXI. **Spectral analysis of the Direct Sum Hamiltonian Operators**  
Allahverdiev B., Ugurlu E.  
QUAESTIONES MATHEMATICAE, vol.39, no.6, pp.733-750, 2016 (Journal Indexed in SCI)
- XXII. **SPECTRAL PROBLEMS OF NONSELF-ADJOINT SINGULAR DISCRETE STURM-LIOUVILLE OPERATORS**  
Allahverdiev B.  
MATHEMATICA SLOVACA, vol.66, no.4, pp.967-978, 2016 (Journal Indexed in SCI)
- XXIII. **SPECTRAL PROBLEMS OF NON-SELF-ADJOINT  $q$ -STURM-LIOUVILLE OPERATORS IN LIMIT-POINT CASE**  
Allahverdiev B.  
KODAI MATHEMATICAL JOURNAL, vol.39, no.1, pp.1-15, 2016 (Journal Indexed in SCI)
- XXIV. **Extensions of Symmetric Singular Second-Order Dynamic Operators on Time Scales**  
Allahverdiev B.  
FILOMAT, vol.30, no.6, pp.1475-1484, 2016 (Journal Indexed in SCI)
- XXV. **Non-self-adjoint Bessel and Sturm-Liouville boundary value problems in limit-circle case**  
Allahverdiev B.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.38, no.7, pp.1273-1281, 2015 (Journal Indexed in SCI)
- XXVI. **TWO THEOREMS ON THE PRODUCT OF ABEL AND CESARO SUMMABILITY METHODS**  
Erdem Y., ÇANAK İ., Allahverdiev B.  
COMPTES RENDUS DE L ACADEMIE BULGARE DES SCIENCES, vol.68, no.3, pp.287-294, 2015 (Journal Indexed in SCI)
- XXVII. **On dilation, scattering and spectral theory for two-interval singular differential operators**  
Allahverdiev B., Ugurlu E.  
BULLETIN MATHEMATIQUE DE LA SOCIETE DES SCIENCES MATHÉMATIQUES DE ROUMANIE, vol.58, no.4, pp.383-392, 2015 (Journal Indexed in SCI)
- XXVIII. **Eigenvalue problems for a non-self-adjoint Bessel-type operators in limit-point case**  
Allahverdiev B.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.37, no.18, pp.2946-2951, 2014 (Journal Indexed in SCI)
- XXIX. **Extensions of symmetric infinite Jacobi operator**  
Allahverdiev B.  
LINEAR & MULTILINEAR ALGEBRA, vol.62, no.9, pp.1146-1152, 2014 (Journal Indexed in SCI)
- XXX. **Extensions and spectral problems of 1D discrete Hamiltonian systems**  
Allahverdiev B.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.36, no.18, pp.2554-2563, 2013 (Journal Indexed in SCI)
- XXXI. **SPECTRAL PROBLEMS OF NONSELFADJOINT 1D SINGULAR HAMILTONIAN SYSTEMS**  
Allahverdiev B.  
TAIWANESE JOURNAL OF MATHEMATICS, vol.17, no.5, pp.1487-1502, 2013 (Journal Indexed in SCI)
- XXXII. **A Nonself-Adjoint 1D Singular Hamiltonian System with an Eigenparameter in the Boundary Condition**  
Allahverdiev B.  
POTENTIAL ANALYSIS, vol.38, no.4, pp.1031-1045, 2013 (Journal Indexed in SCI)
- XXXIII. **Eigenparameter dependent Sturm-Liouville problems in boundary conditions with transmission conditions**  
Allahverdiev B., Bairamov E., Ugurlu E.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.401, no.1, pp.388-396, 2013 (Journal Indexed in SCI)
- XXXIV. **Extensions of symmetric second-order difference operators with matrix coefficients**  
Allahverdiev B.  
JOURNAL OF DIFFERENCE EQUATIONS AND APPLICATIONS, vol.19, no.5, pp.839-849, 2013 (Journal Indexed in

SCI)

- XXXV. **ON SELFADJOINT DILATION OF THE DISSIPATIVE EXTENSION OF A DIRECT SUM DIFFERENTIAL OPERATOR**  
Ugurlu E., Allahverdiev B.  
BANACH JOURNAL OF MATHEMATICAL ANALYSIS, vol.7, no.2, pp.194-207, 2013 (Journal Indexed in SCI)
- XXXVI. **NONSELFADJOINT SINGULAR STURM-LIOUVILLE OPERATORS IN LIMIT-CIRCLE CASE**  
Allahverdiev B.  
TAIWANESE JOURNAL OF MATHEMATICS, vol.16, no.6, pp.2035-2052, 2012 (Journal Indexed in SCI)
- XXXVII. **Tauberian conditions with controlled oscillatory behavior**  
ÇANAK İ., Totur U., Allahverdiev B.  
APPLIED MATHEMATICS LETTERS, vol.25, no.3, pp.252-256, 2012 (Journal Indexed in SCI)
- XXXVIII. **Nonsel-Adjoint Second-Order Difference Operators in Limit-Circle Cases**  
Allahverdiev B.  
ABSTRACT AND APPLIED ANALYSIS, 2012 (Journal Indexed in SCI)
- XXXIX. **A completeness theorem for a dissipative Schrodinger problem with the spectral parameter in the boundary condition**  
ONGUN M. Y. , Allahverdiev B.  
MATHEMATISCHE NACHRICHTEN, vol.281, no.4, pp.541-554, 2008 (Journal Indexed in SCI)
- XL. **A dissipative singular Sturm-Liouville problem with a spectral parameter in the boundary condition**  
Allahverdiev B.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.316, no.2, pp.510-524, 2006 (Journal Indexed in SCI)
- XLI. **Dissipative Sturm-Liouville operators in limit-point case**  
Allahverdiev B.  
ACTA APPLICANDAE MATHEMATICAE, vol.86, no.3, pp.237-248, 2005 (Journal Indexed in SCI)
- XLII. **Dissipative discrete Hamiltonian systems**  
Allahverdiev B.  
COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.49, pp.1139-1155, 2005 (Journal Indexed in SCI)
- XLIII. **Extensions, dilations and functional models of dirac operators**  
Allahverdiev B.  
INTEGRAL EQUATIONS AND OPERATOR THEORY, vol.51, no.4, pp.459-475, 2005 (Journal Indexed in SCI)
- XLIV. **Spectral analysis of nonselfadjoint Schrodinger operators with a matrix potential**  
SALTAN S., Allahverdiev B.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.303, no.1, pp.208-219, 2005 (Journal Indexed in SCI)
- XLV. **Extensions, dilations and functional models of Dirac operators in limit-circle case**  
Allahverdiev B.  
FORUM MATHEMATICUM, vol.17, no.4, pp.591-611, 2005 (Journal Indexed in SCI)
- XLVI. **A nonself-adjoint singular Sturm-Liouville problem with a spectral parameter in the boundary condition**  
Allahverdiev B.  
MATHEMATISCHE NACHRICHTEN, vol.278, pp.743-755, 2005 (Journal Indexed in SCI)
- XLVII. **Extensions, dilations and functional models of infinite Jacobi matrix**  
Allahverdiev B.  
CZECHOSLOVAK MATHEMATICAL JOURNAL, vol.55, no.3, pp.593-609, 2005 (Journal Indexed in SCI)
- XLVIII. **Dissipative Schrodinger operators with matrix potentials**  
Allahverdiev B.  
POTENTIAL ANALYSIS, vol.20, no.4, pp.303-315, 2004 (Journal Indexed in SCI)
- XLIX. **Dissipative eigenvalue problems for a singular Dirac system**  
Allahverdiev B.  
APPLIED MATHEMATICS AND COMPUTATION, vol.152, no.1, pp.127-139, 2004 (Journal Indexed in SCI)

- L. **Dissipative second-order difference operators with general boundary conditions**  
Allahverdiev B.  
JOURNAL OF DIFFERENCE EQUATIONS AND APPLICATIONS, vol.10, no.1, pp.1-16, 2004 (Journal Indexed in SCI)
- LI. **Dilation and functional model of dissipative operator generated by an infinite Jacobi matrix**  
Allahverdiev B.  
MATHEMATICAL AND COMPUTER MODELLING, vol.38, no.10, pp.989-1001, 2003 (Journal Indexed in SCI)
- LII. **Extensions, dilations and functional models of discrete Dirac operators**  
Allahverdiev B.  
ILLINOIS JOURNAL OF MATHEMATICS, vol.47, no.3, pp.831-845, 2003 (Journal Indexed in SCI)
- LIII. **Dissipative Sturm-Liouville operators with nonseparated boundary conditions**  
Allahverdiev B.  
MONATSHEFTE FUR MATHEMATIK, vol.140, no.1, pp.1-17, 2003 (Journal Indexed in SCI)
- LIV. **Spectral analysis of dissipative Dirac operators with general boundary conditions**  
Allahverdiev B.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.283, no.1, pp.287-303, 2003 (Journal Indexed in SCI)
- LV. **Extensions, dilations and functional models of discrete Dirac operators in limit point-circle cases**  
Allahverdiev B.  
IMA JOURNAL OF APPLIED MATHEMATICS, vol.68, no.3, pp.251-267, 2003 (Journal Indexed in SCI)
- LVI. **Extensions of the symmetric operator generated by an infinite Jacobi matrix**  
Allahverdiev B.  
MATHEMATICAL AND COMPUTER MODELLING, vol.37, pp.1093-1098, 2003 (Journal Indexed in SCI)
- LVII. **Spectral analysis of dissipative Schrodinger operators**  
Allahverdiev B., CANOGLU A.  
PROCEEDINGS OF THE ROYAL SOCIETY OF EDINBURGH SECTION A-MATHEMATICS, vol.127, pp.1113-1121, 1997 (Journal Indexed in SCI)
- LVIII. **On spectral theory non-selfadjoint dirac operator**  
MAKSUDOV F., Allakhverdiev B.  
DOKLADY AKADEMII NAUK, vol.348, no.3, pp.305-306, 1996 (Journal Indexed in SCI)
- LIX. **ON EXTENSIONS OF SYMMETRICAL SCHRODINGER-OPERATORS WITH MATRIX POTENTIALS**  
MAKSUDOV F., ALLAKHVERDIEV B.  
DOKLADY AKADEMII NAUK, vol.332, no.1, pp.18-20, 1993 (Journal Indexed in SCI)
- LX. **THE SPECTRAL-ANALYSIS OF NONSELF-ADJOINT OPERATOR-VALUED FUNCTIONS WITH A CONTINUOUS POINT SPECTRUM**  
MAKSUDOV F., ALLAKHVERDIEV B.  
DOKLADY AKADEMII NAUK, vol.329, no.1, pp.9-11, 1993 (Journal Indexed in SCI)
- LXI. **TO THE SPECTRAL THEORY OF THE 2ND-ORDER NONSELF-ADJOINT DIFFERENCE-OPERATORS WITH MATRIX COEFFICIENTS**  
MAKSUDOV F., ALLAKHVERDIEV B.  
DOKLADY AKADEMII NAUK, vol.328, no.6, pp.654-656, 1993 (Journal Indexed in SCI)
- LXII. **ON THE THEORY OF NONSELFADJOINT OPERATORS OF SCHRODINGER TYPE WITH A MATRIX POTENTIAL**  
ALLAKHVERDIEV B.  
RUSSIAN ACADEMY OF SCIENCES IZVESTIYA MATHEMATICS, vol.41, no.2, pp.193-205, 1993 (Journal Indexed in SCI)
- LXIII. **SELF-ADJOINT AND NONSELF-ADJOINT EXTENSIONS OF THE SYMMETRICAL OPERATOR GENERATED BY AN INFINITE JACOBI MATRIX**  
ALLAKHVERDIEV B.  
MATHEMATICAL NOTES, vol.50, pp.1093-1097, 1991 (Journal Indexed in SCI)
- LXIV. **ON DILATION THEORY AND SPECTRAL-ANALYSIS OF DISSIPATIVE SCHRODINGER-OPERATORS IN WEYL LIMIT-CIRCLE CASE**

- ALLAKHVERDIEV B.  
 MATHEMATICS OF THE USSR-IZVESTIYA, vol.54, no.2, pp.247-262, 1990 (Journal Indexed in SCI)
- LXV. **ON THE SPECTRAL THEORY OF DISSIPATIVE DIFFERENCE-OPERATORS OF 2ND-ORDER**  
 ALLAKHVERDIEV B., GUSEINOV G.  
 MATHEMATICS OF THE USSR-SBORNIK, vol.66, no.1, pp.107-125, 1990 (Journal Indexed in SCI)
- LXVI. **ON THE THEORY OF CHARACTERISTIC FUNCTION AND SPECTRAL-ANALYSIS OF SCHRODINGER DISSIPATIVE OPERATOR**  
 MAKSUDOV F., ALLAKHVERDIEV B.  
 DOKLADY AKADEMII NAUK SSSR, vol.303, no.6, pp.1307-1309, 1988 (Journal Indexed in SCI)
- LXVII. **ON DISSIPATIVE EXTENSIONS OF A SYMMETRICAL SCHRODINGER OPERATOR IN WEYL LIMITING CIRCLE CASE**  
 ALLAKHVERDIEV B.  
 DOKLADY AKADEMII NAUK SSSR, vol.293, no.4, pp.777-781, 1987 (Journal Indexed in SCI)
- LXVIII. **SPECTRAL-ANALYSIS OF A NEW CLASS OF NON-SELF-ADJOINT OPERATORS WITH CONTINUOUSLY-POINT SPECTRUM**  
 MAKSUDOV F., ALLAKHVERDIEV B.  
 DOKLADY AKADEMII NAUK SSSR, vol.278, no.6, pp.1309-1313, 1984 (Journal Indexed in SCI)
- LXIX. **OSCILLATION THEOREMS FOR MULTI-PARAMETER SPECTRAL PROBLEMS WITH BOUNDARY-CONDITIONS, DEPENDING ON SPECTRAL PARAMETERS**  
 ALLAHVERDIEV B., ISAEV G.  
 IZVESTIYA AKADEMII NAUK AZERBAIDZHANSKOI SSR SERIYA FIZIKO-TEKHNICHESKIKH I MATEMATICHESKIKH NAUK, no.6, pp.17-23, 1981 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **On square integrable solutions of a Hahn-Dirac system**  
 PAŞAOĞLU B., TUNA H.  
 RENDICONTI DEL CIRCOLO MATEMATICO DI PALERMO, 2021 (Journal Indexed in ESCI)
- II. **REGULAR FRACTIONAL DIRAC TYPE SYSTEMS**  
 PAŞAOĞLU B., TUNA H.  
 FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, vol.36, no.3, pp.489-499, 2021 (Journal Indexed in ESCI)
- III. **On Expansion in Eigenfunction for Dirac Systems on the Unbounded Time Scales**  
 PAŞAOĞLU B., TUNA H.  
 Differential Equations and Dynamical Systems, 2021 (Refereed Journals of Other Institutions)
- IV. **Spectral expansion for singular conformable fractional Dirac systems**  
 Allahverdiev B., TUNA H.  
 RENDICONTI DEL CIRCOLO MATEMATICO DI PALERMO, vol.69, no.3, pp.1359-1372, 2020 (Journal Indexed in ESCI)
- V. **Investigation of the spectrum of singular Sturm-Liouville operators on unbounded time scales**  
 Allahverdiev B., TUNA H.  
 SAO PAULO JOURNAL OF MATHEMATICAL SCIENCES, vol.14, no.1, pp.327-340, 2020 (Journal Indexed in ESCI)
- VI. **One-dimensional conformable fractional Dirac system**  
 Allahverdiev B., TUNA H.  
 BOLETIN DE LA SOCIEDAD MATEMATICA MEXICANA, vol.26, no.1, pp.121-146, 2020 (Journal Indexed in ESCI)
- VII. **EXISTENCE OF SOLUTIONS FOR NONLINEAR SINGULAR  $q$ -STURM-LIOUVILLE PROBLEMS**  
 Allahverdiev B., Tuna H.  
 UFA MATHEMATICAL JOURNAL, vol.12, no.1, pp.91-102, 2020 (Journal Indexed in ESCI)
- VIII. **Dissipative  $q$ -Dirac Operator**  
 Allahverdiev B., Tuna H.

Palestine Journal of Mathematics, vol.9, no.1, pp.200-211, 2020 (Refereed Journals of Other Institutions)

- IX. **Spectral Theory of Singular Hahn Difference Equation of the Sturm-Liouville Type**  
Allahverdiev B., Tuna H.  
Communications in Mathematics, vol.28, pp.13-25, 2020 (Refereed Journals of Other Institutions)
- X. **q-FRACTIONAL DIRAC TYPE SYSTEMS**  
Allahverdiev B., TUNA H.  
RAD HRVATSKE AKADEMIJE ZNANOSTI I UMJETNOSTI-MATEMATICKE ZNANOSTI, vol.24, no.542, pp.117-130, 2020 (Journal Indexed in ESCI)
- XI. **Some properties of the resolvent of sturm-liouville operators on unbounded time scales**  
Allahverdiev B., Tuna H.  
Mathematica, vol.61, no.1, pp.3-21, 2019 (Refereed Journals of Other Institutions)
- XII. **Eigenfunction expansion in the singular case for q-Sturm-Liouville operators**  
PAŞAOĞLU B., Tuna H.  
Caspian Journal of Mathematical Science, vol.8, no.2, pp.91-102, 2019 (Refereed Journals of Other Institutions)
- XIII. **A SPECTRAL THEORY FOR DISCONTINUOUS STURM-LIOUVILLE PROBLEMS ON THE WHOLE LINE**  
PAŞAOĞLU B., Tuna H.  
MATEMATIČKE, vol.74, no.2, pp.235-251, 2019 (Refereed Journals of Other Institutions)
- XIV. **NONLINEAR SINGULAR STURM-LIOUVILLE PROBLEMS WITH IMPULSIVE CONDITIONS**  
Allahverdiev B., Tuna H.  
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, vol.34, no.3, pp.439-457, 2019 (Journal Indexed in ESCI)
- XV. **Eigenfunction Expansion in the Singular Case for Dirac Systems on Time Scales**  
PAŞAOĞLU B., Tuna H.  
Konuralp Journal of Mathematics, vol.7, no.1, pp.128-135, 2019 (Other Refereed National Journals)
- XVI. **RESOLVENT OPERATOR OF SINGULAR DIRAC SYSTEM WITH TRANSMISSION CONDITIONS**  
Allahverdiev B., Tuna H.  
RAD HRVATSKE AKADEMIJE ZNANOSTI I UMJETNOSTI-MATEMATICKE ZNANOSTI, vol.23, no.538, pp.85-105, 2019 (Journal Indexed in ESCI)
- XVII. **THE RESOLVENT OPERATOR OF SINGULAR CONFORMABLE FRACTIONAL DIRAC SYSTEM**  
PAŞAOĞLU B., Tuna H.  
Gulf Journal of Mathematics, vol.7, no.3, pp.7-25, 2019 (Refereed Journals of Other Institutions)
- XVIII. **Spectral analysis of singular Sturm-Liouville operators on time scales**  
PAŞAOĞLU B., Tuna H.  
Annales Universitatis Mariae Curie-Skłodowska, sectio A-Mathematica, vol.72, no.1, pp.1-11, 2018 (Refereed Journals of Other Institutions)
- XIX. **Dissipative Extensions of Fourth Order Differential Operators**  
Tuna H., PAŞAOĞLU B.  
THAI JOURNAL OF MATHEMATICS, vol.16, no.1, pp.275-285, 2018 (Journal Indexed in ESCI)
- XX. **Selfadjoint and dissipative extensions of a symmetric Schrödinger operator**  
PAŞAOĞLU B.  
Mathematica Balkanica New Series, vol.17, no.1, pp.113-120, 2003 (Refereed Journals of Other Institutions)
- XXI. **On selfadjoint and nonselfadjoint extensions of a Schrödinger type symmetric operator with a matrix potential**  
PAŞAOĞLU B.  
Izvestiya Akademii Nauk Azerbaïdzhana. Seriya Fiziko-Tekhnicheskikh i Matematicheskikh Nauk, vol.17, no.1, pp.31-35, 1996 (Refereed Journals of Other Institutions)
- XXII. **On the theory of nonselfadjoint operators of Schrödinger type with a matrix potential**  
PAŞAOĞLU B.  
Izvestiya Rossijskoï Akademii Nauk. Seriya Matematicheskaya, vol.56, no.5, pp.920-933, 1992 (Refereed Journals of Other Institutions)
- XXIII. **On the spectral theory of the non selfadjoint Schrödinger operator on the whole axis**

PAŞAOĞLU B.

Spektral'naya Teoriya Operatorov i ee Prilozhenija, vol.10, pp.3-25, 1991 (Refereed Journals of Other Institutions)

- XXIV. **On self-adjoint and non-self-adjoint extensions of a symmetric operator generated by an infinite Jacobi matrix**

PAŞAOĞLU B.

Matematicheskie Zametki, vol.50, no.5, pp.3-8, 1991 (Refereed Journals of Other Institutions)

- XXV. **On dilation theory and spectral analysis of dissipative Schrödinger operators in Weyl's limit circle case**

PAŞAOĞLU B.

Izvestiya Akademii Nauk SSSR, Seriya Matematicheskaya, vol.54, no.2, pp.242-257, 1990 (Refereed Journals of Other Institutions)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. **Non-self-adjoint Sturm-Liouville operators with a spectral parameter in the boundary condition on time scales**  
TUNA H., PAŞAOĞLU B.  
International Workshop on Mathematical Methods in Engineering, 27 October - 29 April 2017
- II. **Basis properties of the root functions of non-self-adjoint  $q$ -Sturm-Liouville problems**  
TUNA H., PAŞAOĞLU B.  
International Workshop on Mathematical Methods in Engineering, 27 - 29 April 2017
- III. **On the Dissipative Extensions of a Direct-Sum Differential Operator**  
UĞURLU E., PAŞAOĞLU B.  
International Workshop on Mathematical methods in Engineering, 27 - 29 April 2017
- IV. **Spectral analysis of  $q$ -Fractional Sturm-Liouville Operators**  
TUNA H., PAŞAOĞLU B.  
International Workshop on Mathematical Methods in Engineering, 27 - 29 April 2017
- V. **Scattering Theory and Spectral Analysis of the Direct Sum Sturm-Liouville Operators**  
PAŞAOĞLU B., UĞURLU E.  
International Workshop on Mathematical methods in Engineering, 27 - 29 April 2017
- VI. **SPECTRAL PROBLEMS OF SINGULAR HAMILTONIAN SYSTEM WITH AN EIGENPARAMETER IN THE BOUNDARY CONDITION**  
PAŞAOĞLU B.  
International Workshop on Mathematical Methods in Engineering, 27 - 29 April 2017
- VII. **Dissipative singular matrix Sturm-Liouville operators with general boundary conditions**  
PAŞAOĞLU B.  
International Workshop on Mathematical Methods in Engineering, 27 - 29 April 2017
- VIII. **Spectral problems of singular Sturm Liouville boundary value transmission problem in limit point case**  
PAŞAOĞLU B.  
VII Intern. Joint Confer. Georgian Math. Union and Mech. Union; Contin. Mech. and Related Probl. Analysis, 5 - 09 September 2016
- IX. **Dilation functional model and spectral problems of discrete singular Hamiltonian system**  
PAŞAOĞLU B.  
VII Intern. Joint Confer. Georgian Math. Union and Mech. Union; Contin. Mech. and Related Probl. Analysis, 5 - 09 September 2016
- X. **On the Solution of the Eigenvalue Problem of Shear Deformable Functionally Graded Shells**  
AVEY A., PAŞAOĞLU B.  
VII International Conference of the Georgian Mathematical Union and Georgian Mechanical Union, 5 - 09 September 2016



- XI. **Eigenparameter dependent nonself adjoint Dirac operators with transmission condition**  
AÇIK DEMİRÇİ I, PAŞAOĞLU B.  
Intern. Congress on Fundamental and Applied Sciences, 22 - 26 August 2016
- XII. **A non selfadjoint Dirac operators with a spectral parameter in the boundary condition and with transmission condition**  
AÇIK DEMİRÇİ I, PAŞAOĞLU B.  
3rd Intern. Conference on Recent Advances in Pure and Appl. Math., 19 - 23 May 2016
- XIII. **Maksimal Disipatif Schrödinger Operatörünün Spektral Analizi**  
PAŞAOĞLU B., SALTAN S.  
XV. Ulusal Matematik Sempozyumu, Turkey, 4 - 06 September 2002
- XIV. **Kendine Eş Olamayan Singüler Sturm Liouville Operatörünün İncelenmesi**  
PAŞAOĞLU B., SALTAN S.  
XIV. Ulusal Matematik Sempozyumu, Turkey, 25 - 27 September 2001

## Citations

Total Citations (WOS):443

h-index (WOS):11