

Prof. Dr. YELDA AYGAR KÜÇÜKEVCİLİOĞLU

Kişisel Bilgiler

İş Telefonu: [+90 312 216 8951](tel:+903122168951)

E-posta: yaygar@ankara.edu.tr

Web: <https://avesis.ankara.edu.tr/yaygar>

Uluslararası Araştırmacı ID'leri

ScholarID: JAR8YJUAAAAJ

ORCID: 0000-0002-5550-3073

Publons / Web Of Science ResearcherID: AAF-6614-2020

ScopusID: 35306589500

Yoksis Araştırmacı ID: 115336

Biyografi

Yayınlar:

49. Allahverdiev B. P., **Aygar Y.**, Examining singular dissipative quantum Sturm-Liouville operators in limit-circle case whenever $q > 1$, Facta Universitatis' Series Mathematics and Informatics, (accepted)
48. Özbey G. G., Öznur G. B., **Aygar Y.**, Aktaş Karaman R., Some Properties of Bessel Functions in Multiplicative Calculus, Rendiconti del Circolo Matematico di Palermo Series 2, volume 74, article number 42, 2025. <https://doi.org/10.1007/s12215-024-01149-6>.
47. Öznur G. B., Özbey G. G., **Aygar Y.**, Aktaş Karaman R., A Study of the scattering analysis of the multiplicative Sturm-Liouville problem, Turkish Journal of mathematics, 48: 608-622, 2024.
46. Allahverdiev B. P., **Aygar Y.**, Some spectral problems of dissipative q -Sturm-Liouville operators in limit-point case for $q > 1$, Filomat, 38(22), 7693-7705, 2024.
45. Öznur G. B., Bairamov E., **Aygar Y.**, Impulsive Discrete Dirac Equation with Spectral Parameter, Filomat, 38(22), 7673-7682, 2024.
44. Aktaş Karaman R., Gündoğan Lekesiz E., **Aygar Y.**, A Study on Sobolev orthogonal polynomials on triangle, Numerical Algorithms, 97(2), 915-944, 2024.
43. Öznur G. B., **Aygar Y.**, A Study of the scattering properties of eigenparameter dependent matrix difference operator with transmission condition, Kragujevac Journal of Mathematics, 50(3), 479-489, 2026.
42. Özbey G. G., **Aygar Y.**, Öznur G. B., Discrete Sturm-Liouville equations with point interaction, The Journal of Analysis, (2024) 32:1725-1737, 2024.
41. Cebesoy C., Bairamov E., **Aygar Y.**, Scattering problems of impulsive Schrödinger equations with matrix coefficients, Ricerche di Matematica, 72(1), 399-415, 2023.
40. Bairamov E., **Aygar Y.**, Cebesoy C., Spectral analysis of the impulsive quadratic pencil of Schrödinger operators with spectral singularities, Complex Variables and Elliptic Equations, 68(3), 430-444, 2023.
39. Öznur B., **Aygar Y.**, Aral N.D., An Examination of boundary value transmission problem with Quadratic Spectral Parameter, Quaestiones Mathematicae, 46(5), 871-885, 2023.

38. Taş H., **Aygar Kucukevcilioglu Y.**, Bayram E., Scattering solutions and scattering function of a Klein-Gordon s-wave equation with jump conditions, *Turkish Journal of Mathematics*, 47(2), 721-731, 2023.
37. Özbey G. G., Öznur G. B., **Aygar Y.**, Koprubası T., Some spectral and scattering properties of generalized eigenparameter dependent discrete transmission Sturm-Liouville equation, *Honam Mathematical Journal*, 45(3), 457-470, 2023.
36. Öznur G. B., **Aygar Y.**, Spectral analysis of a difference equation with interface conditions and hyperbolic eigenparameter on the whole axis, *Note di Matematica*, 43(1), 67-80, 2023.
35. Öznur G. B., Özbey G. G., **Aygar Y.**, Aktaş Karaman R., Miscellaneous properties of Sturm-Liouville problems in multiplicative calculus, *Commun. Fac. Sci. Univ. Ank. Ser. A1 Math. Stat.*, 72(4), 1141-1154, 2023.
34. **Aygar Y.**, Özbey G. G., Öznur G. B., Quantum difference problem with point interaction, *Konuralp Journal of Mathematics*, 11(2), 218-228, 2023.
33. **Aygar Kucukevcilioglu Y.**, Koprubası T., A discrete boundary value problem with point interaction, *Filomat*, 36:18, 6279-6288, 2022.
32. **Aygar Y.**, Özbey G. G., Scattering analysis of a quantum impulsive boundary value problem with spectral parameter, *Hacettepe Journal of Mathematics and Statistics*, 51:1, 142-155, 2022.
31. Koprubası T., **Aygar Kucukevcilioglu Y.**, Discrete impulsive Sturm-Liouville equation with hyperbolic eigenparameter, *Turkish Journal Of Mathematics*, 46, 387-396, 2022.
30. **Aygar Y.**, Özbey G., Spectral properties of a discrete Sturm-Liouville Equations, *Applied Mathematics E-Notes*, 22(2022), 335-344, 2022.
29. **Aygar Y.**, Öznur B., Matrix Difference Equations with jump conditions and hyperbolic eigenparameter, *Acta Mathematica Universitatis Comenianae*, XCI:2, 149-159, 2022.
28. **Aygar Y.**, Bairamov E., Series expansion, asymptotic behavior and computation of the values of the Schwarzschild-Milne integrals arising in a radiative transfer, [Applied and Computational Mathematic](#), 20 (2), 236-246, 2021.
27. **Aygar Kucukevcilioglu Y.**, Bairamov E., Özbey G., On the spectral and scattering properties of eigenparameter dependent impulsive Sturm-Liouville equations, *Turkish Journal Of Mathematics*, 45:2, 988-1000.
26. Bairamov E., **Aygar Y.**, Öznur, B., Scattering Properties of Eigenparameter Dependent Impulsive Sturm-Liouville Equations, [Bulletin of the Malaysian Mathematical Sciences Society](#), 43, 2769-2781, 2020.
25. Bairamov E., **Aygar Y.**, Cebesoy S., Investigation of Spectrum and Scattering Function of Impulsive Matrix Difference Operators, [Filomat](#), 35:5, 1301-1312, 2019.
24. **Aygar Y.**, Bairamov E., Scattering Theory of Impulsive Sturm-Liouville Equation in Quantum Calculus, *Bulletin of the Malaysian Mathematical Sciences Society*, (2019) 42, 3247-3259, 2019.
23. Bairamov E., **Aygar Y.**, Cebesoy S., Spectral properties of quadratic pencil of Schrödinger equations with transmission conditions, *IOP Conf. Series: Journal of Physics: Conf. Series*, 1053 (2018), 2018.
22. **Aygar Y.**, Bairamov E., Özbey G. Spectral properties and scattering problems of eigenparameter dependent impulsive Sturm-Liouville equations, *Proceedings of the 6th International Conference on Control and Optimization with Industrial Applications*, vol1, 113-115, 2018.
21. Bairamov E., **Aygar Y.**, Karshoglu D., Scattering Analysis and Spectrum of Discrete Schrödinger Equations with Transmission Conditions, *Filomat*, 31:17, 5391-5399, 2017.
20. Bairamov E., **Aygar Y.**, Eren B., Scattering Theory of Impulsive Sturm-Liouville Equations, *Filomat*, 31:17, 5401-

5409, 2017.

19. **Aygar Y.**, Bairamov E., Yardımcı S., A Note on spectral properties of a Dirac system with matrix coefficient, *Journal of Nonlinear Sciences and Applications*, 10 (2017), 1459–1469, 2017.
18. **Aygar Y.**, The Effects of Hyperbolic Eigenparameter on Spectral Analysis of a Quantum Difference Equations, *Malaysian Journal of Mathematical Sciences*, 11:3, 317-330, 2017.
17. **Aygar Y.**, A Research on Spectral Analysis of a matrix Quantum Difference Equations with Spectral Singularities, *Quaestiones Mathematicae*, 40 (2) 245-249, 2017.
16. Bairamov E., **Aygar Y.**, Cebesoy S., Spectral analysis of a self-adjoint matrix-valued discrete operator on the whole axis, *Journal of Nonlinear Sciences and Applications*, 9 (2016), no:6, 4257-4262, 2016.
15. **Aygar Y.**, Bohner M., Spectral analysis of a matrix-valued quantum-difference operator, *Dynamic Systems and Applications*, 25:1-9, 2016.
14. **Aygar Y.**, Quadratic eigenparameter-dependent quantum difference equations, *Turkish Journal of Mathematics*, 40: 445-452, 2016.
13. **Aygar Y.**, Investigation of spectral analysis of matrix quantum difference equations with spectral singularities, *Hacettepe Journal of Mathematics and Statistics*, 45(4): 1-7, 2016.
12. **Aygar Y.**, Bohner M., A Polynomial-Type Jost solution and spectral properties of a self-adjoint quantum-difference operator, *Complex Analysis and Operator Theory*, 10(6): 1171-1180, 2016.
11. **Aygar Y.**, On the Jost solution and its properties of quantum difference operators with hyperbolic eigenparameter, 3th International Conference on Industrial Engineering and Applications (ICIEA), *MATEC Web of Conferences*, 2016, 68, 16005, 2016.
10. **Aygar Y.**, Principal vectors of second-order quantum difference equations with boundary conditions dependent on spectral parameter, *Advances in Difference Equations*, 2015:249, 2015.
9. **Aygar Y.**, Bohner M., On the spectrum of eigenparameter-dependent quantum difference equations, *Applied Mathematics & Information Sciences*, 9: 1725-1729, 2015.
8. Cebesoy S., **Aygar Y.**, Bairamov E., Matrix Valued Difference Equations with spectral singularities, *International Journal of Mathematical, Computational, Physical, Electrical and Computer Engineering*, 9 (11) 579-582, 2015.
7. **Aygar Y.**, Olgun M., Investigation of the spectrum and the Jost solutions of discrete Dirac system on the whole axis, *Journal of Inequalities and Applications*, 2014:73, 2014.
6. **Aygar Y.**, Olgun M., Koprubasi T., Principal functions of non-selfadjoint discrete Dirac equations with spectral parameter in boundary conditions, *Abstract and Applied Analysis*, Volume 2012, Article ID 924628, 15 pages, 2012.
5. **Aygar Y.**, Bairamov E., Jost Solution and the Spectral Properties of the Matrix-Valued difference operators, *Applied Mathematics and Computation*, 218: 9676-9681, 2012.
4. Olgun M., Koprubasi T., **Aygar Y.**, Principal functions of non-selfadjoint difference operator with spectral parameter in boundary conditions, *Abstract and Applied Analysis*, Volume 2011, Article ID 608329, 10 pages, 2011.
3. **Aygar Y.**, Bairamov E., Properties of the two-dimensional exponential integral functions, *Journal of Mathematical Chemistry*, 49: 1014-1025, 2011.
2. Bairamov E., **Aygar Y.**, Koprubasi T., The Spectrum of the eigenparameter dependent discrete Sturm--Liouville equations, *Journal of Computational and Applied Mathematics*, 235: 4519-4523, 2011.

1. **Aygar Y.**, Bairamov E., **Aygar Y.**, Olgun M., Jost Solution and the spectrum of the discrete Dirac systems, *Boundary Value Problems*, Volume 2010, Article ID 306571, 11 pages, 2010.

Kitap Bölümü:

Aygar Y., Olgun M., *Principal Vectors of Matrix-valued Difference Operators; Computational Analysis*, Springer, volume 155 chp. 17, 2016.

Bilimsel Toplantılar:

48. Öznur Güler Başak, **Aygar Yelda**, A Study of scattering theory of eigenparameter-dependent impulsive Sturm-Liouville equation with matrix coefficients. The 3rd International Conference on Applied Mathematics in Engineering (ICAME'24), 26-28 June, Ayvalık, Balıkesir, Turkey, 2024.
47. **Aygar Yelda**, Öznur G. Başak, Spectral analysis of a difference equation with interface conditions and hyperbolic eigenparameter on the whole axis. *Functional Analysis, Approximation Theory and Numerical Analysis (FAATNA2022)*, July 5-8, Matera-Italy, 2022.
46. **Aygar Yelda**, Öznur G. Başak, Matrix difference operator with interface condition. 1st International Conference on Innovative Academic Studies (ICIAS), September 10-13, Konya, Turkey, 2022.
45. Öznur G. Başak, **Aygar Yelda**, A Study of the scattering properties of eigenparameter-dependent matrix difference operator with transmission condition. 6th International Conference of Mathematical Sciences (ICMS 2022), July 20-24, Istanbul-Turkey, 2022.
44. **Aygar Yelda**, Öznur G. Başak, Spectral and scattering properties of eigenparameter-dependent discrete Dirac equation with point interaction. *International Symposium on Applied Mathematics and Engineering (ISAME2022)*, January 21-23, Istanbul-Turkey, 2022.
43. Özbey G. Gülçehre, **Aygar Yelda**, Öznur G. Başak, Discrete Sturm-Liouville equation with point interaction. *International Conference on Applied Mathematics in Engineering (ICAME)*, 1-3 September, Balıkesir-Turkey, 2021.
42. Öznur G. Başak, Bairamov Elgiz, **Aygar Yelda**, Impulsive discrete Dirac equation with spectral parameter. *International Conference on Applied Mathematics in Engineering (ICAME)*, 1-3 September, Balıkesir-Turkey, 2021.
41. **Aygar Yelda**, Polinomial Çözüme sahip self-adjoint matris katsayılı fark denkleminin spektral analizi. 14. Matematik Sempozyumu, 2015, Niğde Üniversitesi, Matematik Bölümü, Niğde-Türkiye, 14-16 Mayıs 2015. (Özet bildiri)
40. **Aygar Yelda**, Bairamov Elgiz and Karslioglu Dilara, Scattering Analysis of discrete Schrödinger equations with impulsive conditions", 7th International Conference on Applied Analysis and Mathematical Modelling (ICAAMM18), 20-24 June, Istanbul-Turkey, 2018. (Özet bildiri)
39. Bairamov Elgiz, **Aygar Yelda** and Oznur Basak, Properties of scattering solutions, scattering functions and spectrum of eigenparameter dependent impulsive Sturm-Liouville equations. 6th International Conference on Control and Optimization with Industrial Applications (COIA 2018), 11-13 July, Baku-Azerbaijan, 2018. (Tam Metin bildiri)
38. **Aygar Yelda**, Bairamov Elgiz and Ozbey Gülçehre, Spectral properties and scattering problems of eigenparameter dependent impulsive Sturm-Liouville equations. 6th International Conference on Control and Optimization with Industrial Applications (COIA 2018), 11-13July, Baku-Azerbaijan, 2018. (Tam Metin bildiri)
37. Cebesoy Serifenur, Bairamov Elgiz and **Aygar Yelda**, Scattering problems of impulsive Sturm-Liouville equations

with matrix coefficients. International Conference on Mathematical Analysis, Differential Equation & Applications (MADEA 8), 17-23 June, Cholpon-Ata-Kirgыз Republic, 2018. (Özet bildiri)

36. Bairamov Elgiz, **Aygar Yelda** and Cebesoy Serifenur, Spectral analysis of the impulsive quadratic pencil of Schrödinger operators with spectral singularities. International Conference on Mathematical Analysis, Differential Equation & Applications (MADEA 8), 17-23 June, Cholpon-Ata-Kirgыз Republic, 2018. (Özet bildiri)

35. **Aygar Yelda**, Bairamov Elgiz and Cebesoy Serifenur, Investigation of spectrum and scattering function of impulsive matrix difference operators. International Conference on Mathematical Analysis, Differential Equation & Applications (MADEA 8), 17-23 June, Cholpon-Ata-Kirgыз Republic, 2018. (Özet bildiri)

34. Bairamov Elgiz, **Aygar Yelda**, and Cebesoy Serifenur, Spectral properties of quadratic pencil of Schrödinger equations with transmission conditions. International Conference on Physics, Mathematics and Statistics (ICPMS 2018), 12-14 May, Shanghai-China, 2018. (Tam metin bildiri)

33. **Aygar Yelda**, Bairamov Elgiz and Cebesoy Serifenur, A study on properties of scattering solutions, scattering function of an impulsive difference equation with matrix coefficients. International Conference on Physics, Mathematics and Statistics (ICPMS 2018), 12-14 May, Shanghai-China, 2018. (Özet Bildiri)

32. **Aygar Yelda**, About the spectral analysis of q -difference equations and operators. Çankaya Üniversitesi Matematik Bilgisayar Bölümü, 25 Kasım 2016. (Davetli Konuşmacı)

31. **Aygar Yelda**, Bairamov Elgiz and Özbey G. Gülçehre, On the spectral analysis of a discrete Sturm-Liouville equation. Computational Methods and Function Theory (CMFT2017), 10-15 July, Lublin-Poland, 2017. (Özet bildiri)

30. **Aygar Yelda** and Yardımcı Şeyhmus, Spectral analysis of a selfadjoint difference equation in quantum calculus. Computational Methods and Function Theory (CMFT2017), 10-15 July, Lublin-Poland, 2017. (Poster bildiri)

29. **Aygar Yelda** and Bayram Elgiz, Spectral analysis of the quadratic pencil of Schrödinger equation with a general boundary condition. International Workshop on Mathematical Methods in Engineering (MME2017), 27-29 April, Ankara-Turkey, 2017. (Özet bildiri)

28. Bayram Elgiz and **Aygar Yelda**, Scattering solution of impulsive Sturm-Liouville equation in quantum calculus. International Workshop on Mathematical Methods in Engineering (MME2017), 27-29 April, Ankara-Turkey, 2017. (Özet bildiri)

27. Bayram Elgiz, **Aygar Yelda** and Karshoglu Dilara, Scattering solutions of impulsive discrete Sturm-Liouville equations. International Workshop on Mathematical Methods in Engineering (MME2017), 27-29 April, Ankara-Turkey, 2017. (Özet bildiri)

26. Bayram Elgiz, **Aygar Yelda** and Eren Basak, Scattering solutions of impulsive Sturm-Liouville equations. International Workshop on Mathematical Methods in Engineering (MME2017), 27-29 April, Ankara-Turkey, 2017. (Özet bildiri)

25. Bayram Elgiz, **Aygar Yelda** and Ozbey G. Gulcehre, The resolvent of discrete Sturm-Liouville equation with eigenparameter in boundary condition. International Workshop on Mathematical Methods in Engineering (MME2017), 27-29 April, Ankara-Turkey, 2017.

(Özet bildiri)

24. Bayram Elgiz, **Aygar Yelda** and Solmaz Seyda, Discrete Dirac system with a point Interaction. International Workshop on Mathematical Methods in Engineering (MME2017), 27-29 April, Ankara-Turkey, 2017. (Özet bildiri)

23. **Aygar Yelda**, Bairamov Elgiz, Spectral properties of a selfadjoint quantum difference equation with matrix coefficient. International Congress on Mathematics and Mathematics Education (ICMME2017), 11-13 May, Sanlıurfa-Turkey, 2017. (Özet bildiri)

22. **Aygar Yelda**, Spectral properties of a selfadjoint matrix quantum difference equation. The 24th Conference on Applied and Industrial Mathematics (CAIM 2016), 15-18 September, Craiova-Romai, 2016. (Özet bildiri)
21. **Aygar Yelda**, Spectral theory of a quantum difference equation with hyperbolic eigenparameter. International Congress on Fundamental and Applied Sciences (ICFAS2016), 22-26 August, Istanbul-Turkey, 2016. (Özet bildiri)
20. **Aygar Yelda** and Yardımcı Şeyhmus, Studying on spectral analysis of a nonselfadjoint matrix quantum difference equation. International Congress on Fundamental and Applied Sciences (ICFAS2016), 22-26 August, Istanbul-Turkey, 2016. (Özet bildiri)
19. **Aygar Yelda**, Spectral properties of a matrix quantum difference equation with spectral singularities. International conference on Applied Mathematics and Analysis (ICAMA 2016) 11-13 July, Ankara-Turkey, 2016. (Özet bildiri)
18. **Aygar Yelda** and Bairamov Elgiz, Jost solution and spectral properties of Dirac system with matrix coefficient. International Conference on Mathematics and Mathematics Education (ICMME-2016), 12-14 May, Elazığ-Turkey, 2016. (Özet bildiri)
17. **Aygar Yelda** and Bairamov Elgiz, Properties of the two-dimensional exponential integral functions. International Conference on Mathematics and Mathematics Education (ICMME-2016), 12-14 May, Elazığ-Turkey, 2016. (Özet bildiri)
16. Bairamov Elgiz, Cebesoy Serifenur and **Aygar Yelda**, Some spectral properties of nonselfadjoint Matrix valued difference operator. International Conference on Advances in Natural and Applied Sciences (ICANAS 2016), 21-23 April, Antalya-Turkey, 2016. (Özet bildiri)
15. **Aygar Yelda**, On the Jost solution and its properties of quantum difference equations with hyperbolic eigenparameter. International Conference on Natural Science and Applied Sciences (ICNSAM 2016), 7-9 April, Dubai, 2016. (Tam metin bildiri)
14. Cebesoy Serifenur, **Aygar Yelda** and Bairamov Elgiz, Matrix-valued difference equations with spectral singularities. 17th International Conference on Applied Mathematics and Approximation Theory (ICAMAT 2015), 9-10 November, Venice-Italy, 2015. (Tam metin bildiri)
13. Cebesoy Serifenur, Bairamov Elgiz, **Aygar Yelda**, Matrix-valued difference operators with polynomial type Jost solutions on the whole axis. International Conference on Pure and Applied Mathematics (ICPAM 2015), 28-30 August Van-Turkey, 2015. (Özet bildiri)
12. Cebesoy Serifenur, Bairamov Elgiz, **Aygar Yelda**, Some spectral properties of econd-order matrix difference equations on the whole axis. International Conference On Recent Advances In Pure And Applied Mathematics, (ICRAPAM 2015), Istanbul, Turkey, 3-6 June, 2015. (Özet bildiri)
11. **Aygar Yelda**, Bohner Martin, Spectral analysis of a matrix quantum-difference equation. International Conference On Recent Advances In Pure And Applied Mathematics, (ICRAPAM 2015), Istanbul, Turkey, 3-6 June, 2015. (Özet bildiri)
10. **Aygar Yelda**, Olgun Murat, Principal vectors of matrix-valued difference operators. 3rd International Conference on Applied Mathematics & Approximation Theory (AMAT 2015), Ankara-Turkey, May 28-31, 2015. (Özet bildiri)
9. **Aygar Yelda**, On the spectrum of eigenparameter-dependent quantum difference equations. Time Scales Seminar of the Department of Mathematics and Statistics at the Missouri University of S&T, September 10, Rolla-USA, 2014. (Davetli konuşmacı)
8. **Aygar Yelda**, Spectral analysis of a matrix-valued quantum difference operator. Time Scales Seminar of the Department of Mathematics and Statistics at the Missouri University of S&T, April 16, Rolla-USA, 2014. (Davetli konuşmacı)

7. **Aygar Yelda**, A Polynomial-type Jost solution and spectral properties of a selfadjoint q -difference operator . Time Scales Seminar of the Department of Mathematics and Statistics at the Missouri University of S&T, January 29, Rolla-USA, 2014. (Davetli konuşmacı)
6. **Aygar Yelda**, Jost solution and spectral properties of selfadjoint matrix-valued difference operators. Time Scales Seminar of the Department of Mathematics and Statistics at the Missouri University of S&T, November 13, Rolla-USA, 2013. (Davetli konuşmacı)
5. Cebesoy Serifenur, **Yelda Aygar**, A study on the Jost solution and the spectral properties of the matrix-valued difference operators. 2. International Eurasian Conference on Mathematics Sciences and Applications. (IECMSA-2013), 26-29 August, Sarajevo Bosnia and Hercegovina, 2013. (Özet bildiri)
4. **Aygar Yelda**, Olgun Murat, Investigation of the spectrum and the Jost solutions of discrete Dirac system on the whole axis. International Conference on Applied Analysis and Mathematical Modelling (ICAAMM 2013), 2-5 June, İstanbul-Turkey, 2013. (Özet bildiri)
3. **Aygar Yelda**, Uniform convergence of the two-dimensional exponential integral functions. Joint Conference of the Belgian, Royal Spanish and Luxembourg Mathematical Societies-Liege/Belgian, 6-8 June, 2012. (Poster bildiri)
2. Olgun Murat and **Aygar Yelda**, Spectral analysis of non-selfadjoint matrix Sturm-Liouville equations. The 4th Congress of the Turkic World Mathematical Society (TWMS), 1-3 July, Baku-Azerbaijan, 2011. (Özet bildiri)
1. Olgun Murat and **Aygar Yelda**, Jost solution and the spectrum of the discrete Dirac systems. International Conference on Applied Analysis and Algebra (ICAA 2011), June 29 - July 3 İstanbul-Turkey, 2011. (Özet bildiri)

Eğitim Bilgileri

Doktora, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), Türkiye 2008 - 2013
Yüksek Lisans, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Türkiye 2006 - 2008
Lisans, Ankara Üniversitesi, Fen Fakültesi, Matematik Bölümü, Türkiye 2001 - 2006

Yaptığı Tezler

Doktora, Matris katsayılı fark denklemleri, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), 2013
Yüksek Lisans, Sonsuz jacobî matrisleri için spektral eşitsizlikler, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2008

Araştırma Alanları

Diferansiyel denklemler, Fark Denklemleri ve Fonksiyonel Denklemler, Fonksiyonel Analiz, Genel Matematik, Operatör Kuramı, Sayısal Analiz

Akademik Unvanlar / Görevler

Prof. Dr., Ankara Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2024 - Devam Ediyor

Doç. Dr., Ankara Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2019 - 2024

Dr. Öğr. Üyesi, Ankara Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2015 - 2019

Araştırma Görevlisi Dr., Ankara Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2013 - 2015

Araştırma Görevlisi, Ankara Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2007 - 2013

Akademik İdari Deneyim

Bölüm Başkan Yardımcısı, Ankara Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2024 - Devam Ediyor

Fakülte Kurulu Üyesi, Ankara Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2018 - 2024

Jüri Üyelikleri

Doktora Tez İzleme Komitesi (TİK) Üyeliği, Doktora Tez İzleme Komitesi (TİK) Üyeliği, Ankara Üniversitesi, Haziran, 2022

Doktora Tez İzleme Komitesi (TİK) Üyeliği, Doktora Tez İzleme Komitesi (TİK) Üyeliği, Ankara Üniversitesi, Haziran, 2022

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A study on Sobolev orthogonal polynomials on a triangle**
AKTAŞ KARAMAN R., Lekesiz E. G., AYGAR KÜÇÜKEVCİLİOĞLU Y.
NUMERICAL ALGORITHMS, cilt.97, sa.2, ss.915-944, 2024 (SCI-Expanded)
- II. **Some spectral problems of dissipative q -Sturm–Liouville operators in limit-point case for $q > 1$**
Allahverdiev B. P., AYGAR KÜÇÜKEVCİLİOĞLU Y.
Filomat, cilt.38, sa.22, ss.7693-7705, 2024 (SCI-Expanded)
- III. **Impulsive discrete Dirac equation with spectral parameter**
ÖZNUR G. B., BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y.
Filomat, cilt.38, sa.22, ss.7673-7682, 2024 (SCI-Expanded)
- IV. **A Study of the scattering analysis of the multiplicative Sturm-Liouville problem**
ÖZNUR G. B., ÖZBEY G. G., AYGAR KÜÇÜKEVCİLİOĞLU Y., AKTAŞ KARAMAN R.
TURKISH JOURNAL OF MATHEMATICS, sa.3, 2024 (SCI-Expanded)
- V. **Scattering problems of impulsive Schrodinger equations with matrix coefficients**
Cebesoy S., Bairamov E., AYGAR KÜÇÜKEVCİLİOĞLU Y.
RICERCHE DI MATEMATICA, cilt.72, sa.1, ss.399-415, 2023 (SCI-Expanded)
- VI. **An examination of boundary value transmission problem with quadratic spectral parameter**
ÖZNUR G. B., AYGAR KÜÇÜKEVCİLİOĞLU Y., ARAL N. D.
QUAESTIONES MATHEMATICAE, cilt.46, sa.5, ss.871-885, 2023 (SCI-Expanded)
- VII. **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, cilt.68, sa.3, ss.430-444, 2023 (SCI-Expanded)
- VIII. **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, cilt.47, sa.2, ss.721-731, 2023 (SCI-Expanded)
- IX. **Discrete impulsive Sturm-Liouville equation with hyperbolic eigenparameter**
KÖPRÜBAŞI T., AYGAR KÜÇÜKEVCİLİOĞLU Y.
TURKISH JOURNAL OF MATHEMATICS, cilt.46, sa.1, ss.387-396, 2022 (SCI-Expanded)
- X. **Scattering analysis of a quantum impulsive boundary value problem with spectral parameter**
AYGAR KÜÇÜKEVCİLİOĞLU Y., Ozbey G. G.

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, cilt.51, sa.1, ss.142-155, 2022 (SCI-Expanded)

- XI. **A Discrete Boundary Value Problem with Point Interaction**
AYGAR KÜÇÜKEVCİLİOĞLU Y., Koprubasi T.
FILOMAT, cilt.36, sa.18, ss.6279-6288, 2022 (SCI-Expanded)
- XII. **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, cilt.20, sa.2, ss.236-246, 2021 (SCI-Expanded)
- XIII. **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, cilt.45, sa.2, ss.988-1000, 2021 (SCI-Expanded)
- XIV. **Scattering Properties of Eigenparameter-Dependent Impulsive Sturm-Liouville Equations**
Bairamov E., AYGAR KÜÇÜKEVCİLİOĞLU Y., Oznur G. B.
BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY, cilt.43, sa.3, ss.2769-2781, 2020 (SCI-Expanded)
- XV. **Scattering Theory of Impulsive Sturm-Liouville Equation in Quantum Calculus**
AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E.
BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY, cilt.42, sa.6, ss.3247-3259, 2019 (SCI-Expanded)
- XVI. **Investigation of Spectrum and Scattering Function of Impulsive Matrix Difference Operators**
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., Cebesoy S.
FILOMAT, cilt.33, sa.5, ss.1301-1312, 2019 (SCI-Expanded)
- XVII. **A RESEARCH ON SPECTRAL ANALYSIS OF A MATRIX QUANTUM DIFFERENCE EQUATIONS WITH SPECTRAL SINGULARITIES**
AYGAR KÜÇÜKEVCİLİOĞLU Y.
QUAESTIONES MATHEMATICAE, cilt.40, sa.2, ss.245-249, 2017 (SCI-Expanded)
- XVIII. **Scattering Theory of Impulsive Sturm-Liouville Equations**
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., Eren B.
FILOMAT, cilt.31, sa.17, ss.5401-5409, 2017 (SCI-Expanded)
- XIX. **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, cilt.10, sa.4, ss.1459-1469, 2017 (SCI-Expanded)
- XX. **Scattering Analysis and Spectrum of Discrete Schrodinger Equations with Transmission Conditions**
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., Karslioglu D.
FILOMAT, cilt.31, sa.17, ss.5391-5399, 2017 (SCI-Expanded)
- XXI. **Investigation of spectral analysis of matrix quantum difference equations with spectral singularities**
AYGAR KÜÇÜKEVCİLİOĞLU Y.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, cilt.45, sa.4, ss.999-1005, 2016 (SCI-Expanded)
- XXII. **A Polynomial-Type Jost Solution and Spectral Properties of a Self-Adjoint Quantum-Difference Operator**
AYGAR KÜÇÜKEVCİLİOĞLU Y., Bohner M.
COMPLEX ANALYSIS AND OPERATOR THEORY, cilt.10, sa.6, ss.1171-1180, 2016 (SCI-Expanded)
- XXIII. **SPECTRAL ANALYSIS OF A MATRIX-VALUED QUANTUM-DIFFERENCE OPERATOR**
AYGAR KÜÇÜKEVCİLİOĞLU Y., Bohner M. J.
DYNAMIC SYSTEMS AND APPLICATIONS, cilt.25, sa.1-2, ss.29-37, 2016 (SCI-Expanded)
- XXIV. **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, cilt.9, sa.6, ss.4257-4262, 2016 (SCI-Expanded)
- XXV. **Quadratic eigenparameter-dependent quantum difference equations**
AYGAR KÜÇÜKEVCİLİOĞLU Y.

- TURKISH JOURNAL OF MATHEMATICS, cilt.40, sa.2, ss.445-452, 2016 (SCI-Expanded)
- XXVI. **Principal vectors of second-order quantum difference equations with boundary conditions dependent on spectral parameter**
AYGAR KÜÇÜKEVCİLİOĞLU Y.
ADVANCES IN DIFFERENCE EQUATIONS, cilt.2015, 2015 (SCI-Expanded)
- XXVII. **Investigation of the spectrum and the Jost solutions of discrete Dirac system on the whole axis**
AYGAR KÜÇÜKEVCİLİOĞLU Y., OLGUN M.
JOURNAL OF INEQUALITIES AND APPLICATIONS, cilt.2014, 2014 (SCI-Expanded)
- XXVIII. **Principal Functions of Nonselfadjoint Discrete Dirac Equations with Spectral Parameter in Boundary Conditions**
AYGAR KÜÇÜKEVCİLİOĞLU Y., OLGUN M., KÖPRÜBAŞI T.
ABSTRACT AND APPLIED ANALYSIS, cilt.2012, 2012 (SCI-Expanded)
- XXIX. **Jost solution and the spectral properties of the matrix-valued difference operators**
AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E.
APPLIED MATHEMATICS AND COMPUTATION, cilt.218, sa.19, ss.9676-9681, 2012 (SCI-Expanded)
- XXX. **Principal Functions of Non-Selfadjoint Difference Operator with Spectral Parameter in Boundary Conditions**
OLGUN M., Koprubasi T., AYGAR KÜÇÜKEVCİLİOĞLU Y.
ABSTRACT AND APPLIED ANALYSIS, cilt.2011, 2011 (SCI-Expanded)
- XXXI. **The spectrum of eigenparameter-dependent discrete Sturm-Liouville equations**
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., Koprubasi T.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, cilt.235, sa.16, ss.4519-4523, 2011 (SCI-Expanded)
- XXXII. **Properties of the two-dimensional exponential integral functions**
AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E.
JOURNAL OF MATHEMATICAL CHEMISTRY, cilt.49, sa.5, ss.1014-1025, 2011 (SCI-Expanded)
- XXXIII. **Jost Solution and the Spectrum of the Discrete Dirac Systems**
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., OLGUN M.
BOUNDARY VALUE PROBLEMS, cilt.2010, 2010 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Some properties of Bessel functions in multiplicative calculus**
ÖZBEY G. G., ÖZNUR G. B., AYGAR KÜÇÜKEVCİLİOĞLU Y., Karaman R. A.
Rendiconti del Circolo Matematico di Palermo, cilt.74, sa.1, 2025 (ESCI)
- II. **Discrete Sturm-Liouville equations with point interaction**
ÖZBEY G. G., AYGAR KÜÇÜKEVCİLİOĞLU Y., ÖZNUR G. B.
Journal of Analysis, cilt.32, sa.3, ss.1725-1737, 2024 (ESCI)
- III. **Miscellaneous properties of Sturm-Liouville problems in multiplicative calculus**
Öznur G. B., Özbey G. G., Aygar Küçükvevcilioğlu Y., Aktaş Karaman R.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, cilt.72, sa.4, ss.1141-1154, 2023 (ESCI)
- IV. **Quantum Difference Problem with Point Interaction**
AYGAR KÜÇÜKEVCİLİOĞLU Y., ÖZBEY G. G., ÖZNUR G. B.
Konuralp Journal of Mathematics, cilt.11, sa.2, ss.218-228, 2023 (Scopus)
- V. **SOME SPECTRAL AND SCATTERING PROPERTIES OF GENERALIZED EIGENPARAMETER DEPENDENT DISCRETE TRANSMISSION STURM-LIOUVILLE EQUATION**
Özbey G. G., Öznur G. B., Aygar Küçükvevcilioğlu Y., Köprübaşı T.
HONAM MATHEMATICAL JOURNAL, cilt.45, ss.457-470, 2023 (ESCI)
- VI. **Spectral Analysis of A Difference Equation With Interface Conditions And Hyperbolic Eigenparameter on The Whole Axis**

ÖZNUR G. B., AYGAR KÜÇÜKEVCİLİOĞLU Y.

Note di Matematica, cilt.43, sa.1, ss.67-80, 2023 (ESCI)

VII. **Spectral Properties Of A Discrete Sturm-Liouville Equation**

AYGAR KÜÇÜKEVCİLİOĞLU Y., Ozbey G. G.

APPLIED MATHEMATICS E-NOTES, cilt.22, ss.335-344, 2022 (ESCI)

VIII. **MATRIX DIFFERENCE EQUATIONS WITH JUMP CONDITIONS AND HYPERBOLIC EIGENPARAMETER**

Aygar Y., Oznur G. B.

ACTA MATHEMATICA UNIVERSITATIS COMENIANAE, cilt.91, sa.2, ss.149-159, 2022 (ESCI)

IX. **The Effects of Hyperbolic Eigenparameter on Spectral Analysis of a Quantum Difference Equations**

AYGAR KÜÇÜKEVCİLİOĞLU Y.

MALAYSIAN JOURNAL OF MATHEMATICAL SCIENCES, cilt.11, sa.3, ss.317-330, 2017 (ESCI)

X. **Matrix Valued Difference Equations with Spectral Singularities**

Cebesoy Erdal Ş., Aygar Küçükvecilioğlu Y., Bayram E.

World Academy of Science, Engineering and Technology, International Journal of Mathematical, Computational, Physical, Electrical and Computer Engineering, cilt.9, sa.11, ss.658-661, 2015 (Hakemli Dergi)

XI. **On the Spectrum of eigenparameter-dependent quantum difference equations**

Aygar Küçükvecilioğlu Y., Bohner M.

APPLIED MATHEMATICS AND INFORMATION SCIENCES, cilt.9, sa.4, ss.1725-1729, 2015 (Scopus)

Kitaplar

I. **Spectral properties and scattering problems of eigenparameter dependent impulsive Sturm-Liouville Equations**

AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E., ÖZBEY G. G.

PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON CONTROL AND OPTIMIZATION WITH INDUSTRIAL APPLICATIONS, VOL I, , Editör, Minist Transport Commun & High Technologies Republ Azerbaijan; Baku State Univ, Inst Appl Math, Baku, ss.113-115, 2018

II. **Principal Vectors of Matrix-Valued Difference Operators**

Aygar Küçükvecilioğlu Y., Olgun M.

COMPUTATIONAL ANALYSIS, Springer Proceedings in Mathematics & Statistics, Anastassiou,GA (Anastassiou,GA) ; Duman,O (Duman,O), Editör, Springer, London/Berlin , Geneve, ss.247-257, 2016

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **A Study of scattering theory of eigenparameter-dependent impulsive Sturm-Liouville equation with matrix coefficients**

Aygar Küçükvecilioğlu Y.

3rd International Conference on Applied Mathematics in Engineering (ICAME'24), Balıkesir, Türkiye, 26 Haziran - 28 Kasım 2024, ss.149

II. **Matrix difference operator with interface condition**

AYGAR KÜÇÜKEVCİLİOĞLU Y., ÖZNUR G. B.

1st International Conference on Innovative Academic Studies (ICIAS), Konya, Türkiye, 10 - 13 Eylül 2022

III. **A Study of the scattering properties of eigenparameter-dependent matrix difference operator with transmission condition**

ÖZNUR G. B., AYGAR KÜÇÜKEVCİLİOĞLU Y.

6th International Conference of Mathematical Sciences (ICMS 2022), İstanbul, Türkiye, 20 - 24 Temmuz 2022

IV. **Spectral analysis of a difference equation with interface conditions and hyperbolic eigenparameter on the whole axis**

AYGAR KÜÇÜKEVCİLİOĞLU Y., ÖZNUR G. B.

Functional Analysis, Approximation Theory and Numerical Analysis (FAATNA2022), Matera, İtalya, 5 - 08 Temmuz 2022

- V. **Spectral and scattering properties of eigenparameter-dependent discrete Dirac equation with point interaction**
AYGAR KÜÇÜKEVCİLİOĞLU Y., ÖZNUR G. B.
International Symposium on Applied Mathematics and Engineering (ISAME2022), İstanbul, Türkiye, 21 - 23 Ocak 2022
- VI. **Discrete Sturm-Liouville equation with point interaction**
ÖZBEY G. G., AYGAR KÜÇÜKEVCİLİOĞLU Y., ÖZNUR G. B.
International Conference on Applied Mathematics in Engineering (ICAME), Balıkesir, Türkiye, 1 - 03 Eylül 2021
- VII. **Impulsive discrete Dirac equation with spectral parameter**
ÖZNUR G. B., BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y.
International Conference on Applied Mathematics in Engineering (ICAME), Balıkesir, Türkiye, 1 - 03 Eylül 2021
- VIII. **Spectral properties of quadratic pencil of Schrödinger equations with transmission conditions**
Bairamov E., Aygar Y., Cebesoy S.
1st International Conference on Physics, Mathematics and Statistics, ICPMS 2018, Shanghai, Çin, 12 - 14 Mayıs 2018, cilt.1053
- IX. **Properties of scattering solutions, scattering functions and spectrum of eigenparameter dependent impulsive Sturm-Liouville equations**
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., eren b.
6th International Conference on Control and Optimization with Industrial Applications (COIA 2018), 11 - 13 Temmuz 2018
- X. **Spectral properties and scattering problems of eigenparameter dependent impulsive Sturm-Liouville equations**
AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E., özbey g. g.
6th International Conference on Control and Optimization with Industrial Applications (COIA 2018), 11 - 13 Temmuz 2018
- XI. **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, Türkiye, 20 - 24 Haziran 2018
- XII. **Investigation of spectrum and scattering function of impulsive matrix difference operators**
AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E., CEBESÖY Ş.
International Conference on Mathematical Analysis, Differential Equation Applications (MADEA 8), 17 - 23 Haziran 2018
- XIII. **Scattering problems of impulsive Sturm-Liouville equations with matrix coefficients**
CEBESÖY Ş., BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y.
International Conference on Mathematical Analysis, Differential Equation Applications (MADEA 8), Cholpon-Ata-Kirgыз Republic, 17 - 23 Haziran 2018
- XIV. **Spectral analysis of the impulsive quadratic pencil of Schrödinger operators with spectral singularities**
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., CEBESÖY Ş.
International Conference on Mathematical Analysis, Differential Equation Applications (MADEA 8), 17 - 23 Haziran 2018
- XV. **SPECTRAL PROPERTIES AND SCATTERING PROBLEMS OF EIGENPARAMETER DEPENDENT DISCRETE IMPULSIVE STURM-LIOUVILLE EQUATIONS**
AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E., Özbey G.
6th International Conference on Control and Optimization with Industrial Applications (COIA), Baku, Azerbaycan, 11 - 13 Temmuz 2018, ss.113-115
- XVI. **On the spectral analysis of a discrete Sturm-Liouville equation**
AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E., özbey g. g.

- Computational Methods and Function Theory (CMFT2017), 10 - 15 Temmuz 2017
- XVII. **Spectral Analysis of a self-adjoint difference equation in quantum calculus**
AYGAR KÜÇÜKEVCİLİOĞLU Y., YARDIMCI Ş.
Computational Methods and Function Theory, 10 - 15 Temmuz 2017
- XVIII. **Spectral Analysis of the Quadratic Pencil of Schrödinger Equation with a General Boundary Condition**
AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E.
International Workshop on Mathematical Methods in Engineering (MME2017), 27 - 29 Nisan 2017
- XIX. **Discrete Dirac system with a point Interaction**
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., solmaz ş.
International Workshop on Mathematical Methods in Engineering (MME2017), 27 - 29 Nisan 2017
- XX. **Scattering solutions of Impulsive Sturm-Liouville equations**
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., eren b.
International Workshop on Mathematical Methods in Engineering (MME2017), 27 - 29 Nisan 2017
- XXI. **The Resolvent of discrete Sturm-Liouville equation with eigenparameter in boundary condition**
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., özbey g. g.
International Workshop on Mathematical Methods in Engineering (MME2017), 27 - 29 Nisan 2017
- XXII. **Scattering solution of Impulsive Sturm-Liouville equation in quantum calculus**
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y.
International Workshop on Mathematical Methods in Engineering (MME2017), 27 - 29 Nisan 2017
- XXIII. **Scattering solutions of Impulsive discrete Sturm-Liouville equations**
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., KARSLIOĞLU D.
International Workshop on Mathematical Methods in Engineering (MME2017), 27 - 29 Nisan 2017
- XXIV. **Spectral properties of a selfadjoint quantum difference equation with matrix coefficient**
AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E.
International Congress on Mathematics and Mathematics Education (ICMME2017), 11 - 13 Mayıs 2017
- XXV. **About the spectral analysis of q-difference equations and operators**
AYGAR KÜÇÜKEVCİLİOĞLU Y.
Çankaya Üniversitesi Matematik Bilgisayar Bölümü, 25 Kasım 2016
- XXVI. **Spectral properties of a selfadjoint matrix quantum difference equation**
AYGAR KÜÇÜKEVCİLİOĞLU Y.
The 24th Conference on Applied and Industrial Mathematics (CAIM 2016), 15 - 18 Eylül 2016
- XXVII. **Spectral theory of a quantum difference equation with hyperbolic eigenparameter**
AYGAR KÜÇÜKEVCİLİOĞLU Y.
International Congress on Fundamental and Applied Sciences (ICFAS2016), 22 - 26 Ağustos 2016
- XXVIII. **Studying on spectral analysis of a nonselfadjoint matrix quantum difference equation**
AYGAR KÜÇÜKEVCİLİOĞLU Y., YARDIMCI Ş.
International Congress on Fundamental and Applied Sciences (ICFAS2016), 22 - 26 Ağustos 2016
- XXIX. **Studyin on spectral analiysis of nonselfadjoint matrix quantum difference equation**
YARDIMCI Ş., AYGAR KÜÇÜKEVCİLİOĞLU Y.
Yıldız Üniversitesi International Congress on Fundamental and Applied Sciences-2016, 22 - 26 Ağustos 2016
- XXX. **Spectral properties of a matrix quantum difference equation with spectral singularities**
AYGAR KÜÇÜKEVCİLİOĞLU Y.
International conference on Applied Mathematics and Analysis (ICAMA 2016), 11 - 13 Temmuz 2016
- XXXI. **Jost Solution and spectral properties of Dirac system with matrix coefficient**
AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E.
International Conference on Mathematics and Mathematics Education (ICMME-2016), 12 - 14 Mayıs 2016
- XXXII. **Properties of the two dimensional exponential integral functions**
AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E.
International Conference on Mathematics and Mathematics Education (ICMME-2016), 12 - 14 Mayıs 2016
- XXXIII. **Some spectral properties of Non selfadjoint Matrix Valued Difference Operator**

BAYRAM E., CEBESoy Ş., AYGAR KÜÇÜKEVCİLİOĞLU Y.

International Conference on Advances in Natural and Applied Sciences (ICANAS 2016), 21 - 23 Nisan 2016

XXXIV. **On the Jost Solution and Its Properties of Quantum Difference Equations with Hyperbolic Eigenparameter**

AYGAR KÜÇÜKEVCİLİOĞLU Y.

3th International Conference on Industrial Engineering and Applications (ICIEA), Hong Kong, PEOPLES R CHINA, 28 - 30 Nisan 2016, cilt.68

XXXV. **Principal Vectors of Matrix-Valued Difference Operators**

AYGAR KÜÇÜKEVCİLİOĞLU Y., OLGUN M.

3rd International Conference on Applied Mathematics and Approximation Theory (AMAT), Ankara, Türkiye, 28 - 31 Mayıs 2015, cilt.155, ss.247-257

XXXVI. **Matrix Valued Difference Equations with spectral singularities**

CEBESoy Ş., AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E.

17th international Conference on Applied Mathematics and Approximation Theory (ICAMAT 2015)-Venice, 9 - 10 Ekim 2015

XXXVII. **Matrixs valued difference operators with polynomial type jost solutions on the whole axis**

CEBESoy Ş., BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y.

ICPAM 2015, 25 - 28 Ağustos 2015

XXXVIII. **Matrix Valued Difference Operators with Polynomial Type Jost Solutions on yhe whole axis**

CEBESoy Ş., BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y.

International Conference on Pure and Applied Mathematics (ICPAM 2015), Van, Türkiye, 25 - 28 Ağustos 2015

XXXIX. **Some spectral properties of second order matrixs difference equations**

CEBESoy Ş., BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y.

ICRAPAM 2015, 3 - 29 Haziran 2015

XL. **Some Spectral Properties of Second Order Matrix Difference Equations on the Whole Axis**

CEBESoy Ş., BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y.

International Conference On Recent Advances In Pure And Applied Mathematics, (ICRAPAM 2015)-, İstanbul, Türkiye, 3 - 06 Haziran 2015

XLI. **Spectral Analysis of a Matrix Quantum Difference Equation**

AYGAR KÜÇÜKEVCİLİOĞLU Y., Martin B.

International Conference On Recent Advances In Pure And Applied Mathematics, (ICRAPAM 2015)-Istanbul, Turkey, İstanbul, Türkiye, 3 - 06 Haziran 2015

XLII. **Polinomial Çözüme sahip self adjoint matris katsayılı fark denkleminin spektral analizi**

AYGAR KÜÇÜKEVCİLİOĞLU Y.

14. Mathematic Symposium, 2015, Niğde Üniversitesi, Matematik Bölümü, Türkiye, 14 - 16 Mayıs 2015

XLIII. **On the spectrum of eigenparameter dependent quantum difference equations**

AYGAR KÜÇÜKEVCİLİOĞLU Y.

Time Scales Seminar of the Department of Mathematics and Statistics at the Missouri University of ST, Amerika Birleşik Devletleri, 10 Eylül 2014

XLIV. **Spectral analysis of a matrix valued quantum difference operator**

AYGAR KÜÇÜKEVCİLİOĞLU Y.

Time Scales Seminar of the Department of Mathematics and Statistics at the Missouri University of ST, Amerika Birleşik Devletleri, 16 Nisan 2014

XLV. **A polynomial type Jost solution and spectral properties of a self adjoint q difference operators**

AYGAR KÜÇÜKEVCİLİOĞLU Y.

Time Scales Seminar of the Department of Mathematics and Statistics at the Missouri University of ST, Amerika Birleşik Devletleri, 29 Ocak 2014

XLVI. **Jost solution and spectral properties of selfadjoint matrix valued difference operators**

AYGAR KÜÇÜKEVCİLİOĞLU Y.

Time Scales Seminar of the Department of Mathematics and Statistics at the Missouri University of ST, Amerika Birleşik Devletleri, 13 Kasım 2013

- XLVII. **A study on the Jost solution and the spectral properties of the matrix valued difference operators**
CEBESOY Ş., AYGAR KÜÇÜKEVCİLİOĞLU Y.
2. International Eurasian Conference on Mathematics Sciences and Applications (IECMSA-2013), 26 - 29 Ağustos 2013
- XLVIII. **Investigation of the spectrum and the Jost solutions of discrete Dirac system on the whole axis**
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., OLGUN M.
International Conference on Applied Analysis and Mathematical Modelling (ICAAMM 2013), 2 - 05 Haziran 2013
- XLIX. **Uniform Convergence of the Two dimensional Exponential Integral Functions**
AYGAR KÜÇÜKEVCİLİOĞLU Y.
1st Joint Conference of the Belgian, Royal Spanish and Luxembourg Mathematical Societies, 6 - 08 Haziran 2012
- L. **Spectral analysis of non selfadjoint matrix Sturm-Liouville equations**
OLGUN M., AYGAR KÜÇÜKEVCİLİOĞLU Y.
IV. Congress of theThe 4th Congress of the Turkic World Mathematical Society (TWMS), 1 - 03 Temmuz 2011
- LI. **Jost solution and the spectrum of the discrete Dirac systems**
AYGAR KÜÇÜKEVCİLİOĞLU Y., OLGUN M.
International Conference on Applied Analysis and Algebra, ICAAA 2011, 29 Haziran - 02 Temmuz 2011
- LII. **Diskre Dirac Sisteminin Jost Çözümü ve Spektrumu**
AYGAR KÜÇÜKEVCİLİOĞLU Y.
Ankara Üniversitesi Matematik Bölümü Haftalık Seminerleri, Türkiye, 22 Aralık 2010
- LIII. **Sınır koşulunda spektral parametre bulunan birinci mertebeden non selfadjoint fark denklemleri sisteminin spektral analizi**
AYGAR KÜÇÜKEVCİLİOĞLU Y., KÖPRÜBAŞI T.
XXIII. Kayseri Ulusal matematik Sempozyumu, Türkiye, 4 - 07 Ağustos 2010
- LIV. **Self adjoint Olmayan Matris Katsayılı Sturm Liouville Operatörlerinin Spektral Analizi**
OLGUN M., AYGAR KÜÇÜKEVCİLİOĞLU Y.
5. Ankara Matematik Günleri, Türkiye, 3 - 04 Haziran 2010
- LV. **Periyodik ve Yarı periyodik Dirac Operatörleri**
AYGAR KÜÇÜKEVCİLİOĞLU Y.
Ankara Üniversitesi Doktora Semineri, Türkiye, 10 Nisan 2010
- LVI. **Sonsuz Jacobi Matrisi içeren Denklemlerin Çözümleri**
AYGAR KÜÇÜKEVCİLİOĞLU Y.
Yüksek Lisans Semineri Ankara Üniversitesi, Türkiye, 28 Aralık 2007

Bilimsel Kuruluşlardaki Üyelikler / Görevler

Matematikçiler Derneği, Üye, 2015 - Devam Ediyor , Türkiye

Türk Matematikçiler Derneği, Üye, 2015 - Devam Ediyor , Türkiye

• ISDE (International Society of Difference Equations), Üye, 2014 - Devam Ediyor , Amerika Birleşik Devletleri

Bilimsel Hakemlikler

DEMONSTRATIO MATHEMATICA, SCI-E Kapsamındaki Dergi, Kasım 2022

Fundamental journal of mathematics and applications (Online), Diğer İndekslerce Taranan Dergi, Ağustos 2022

COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, ESCI Kapsamındaki Dergi, Temmuz 2022

TURKISH JOURNAL OF MATHEMATICS, SCI Kapsamındaki Dergi, Ocak 2022

TURKISH JOURNAL OF MATHEMATICS, SCI Kapsamındaki Dergi, Ocak 2022

MATHEMATICAL METHODS IN THE APPLIED SCIENCES, SCI Kapsamındaki Dergi, Ocak 2022

Metrikler

Yayın: 103

Atıf (WoS): 232

Atıf (Scopus): 232

H-İndeks (WoS): 9

H-İndeks (Scopus): 9