Prof. Yusuf ZEREN

Personal Information

Office Phone: +90 212 383 4375
Email: yzeren@yildiz.edu.tr
Other Email: yusufzeren@hotmail.com
Web: https://avesis.yildiz.edu.tr/yzeren
Address: Yıldız Teknik Üniversitesi, Davutpaşa Kampüsü, Fen Edebiyat Fakültesi, Matematik Bölümü, E-2017, Esenler, İstanbul

International Researcher IDs
ScopusID: 15057241500
Yoksis Researcher ID: 185812

Education Information

Post Doctorate, Cincinnati State Technical and Community College, Mathematics, United States Of America 2012 - 2012
Doctorate, Ankara University, Faculty Of Science, Department Of Mathematics, Turkey 1997 - 2002
Postgraduate, Harran University, Faculty Of Arts And Sciences, Department Of Mathematics, Turkey 1994 - 1996
Undergraduate, Firat University, Faculty Of Arts And Sciences, Matematik, Turkey 1989 - 1993

Certificates, Courses and Trainings

Personal Evolution, Başarıya Giden Yolda Niçin ve Nasıl Çalışmalıyız, İstanbul Ticaret Üniversitesi, 2022
Personal Evolution, Geleceğin Türkiye'sinde Başarmak İçin, Mardin Artuklu Ünivesitesi, 2022
Education Management and Planning, Uygulamalı Ar-Ge Proje Yazımı ve Yönetimi, Tübitak, 2014
Education Management and Planning, Eğiticilerin Eğitimi Semineri, Tübitak, 2005
IT, Bilgisayar İşletmenliği, Gazi Üniversitesi, 2000

Dissertations

Doctorate, Türevlenebilir fonksiyonlara lineer pozitif integral operatörler aileleriyle yaklaşımının asimptotik değeri,
Ankara University, Faculty Of Science, Department Of Mathematics, 2002
Postgraduate, Bazı dizi uzayları ve matris dönüşümleri, Harran University, Faculty Of Science And Letters, Department Of
Mathematics, 1996

Research Areas

Mathematics, Multivariate Complex Functions and Analytic Spaces, Computer Science, Differential Equations, Sequences,
Series, Summability, Functional Analysis, Fourier Analysis, General Mathematics, General Topology, Real Functions,
Integral Equations, Integral Transformations, Computational Calculation, Functions of a Complex Variable, Mathematics
Education, Operators, Measure and Integration, Potential Theory, Abstract Harmonic Analysis, Natural Sciences

Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 2022 - Continues
Associate Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 2015 - 2022
Assistant Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 2010 - 2015
Assistant Professor, Harran University, Faculty Of Arts And Sciences, Department Of Mathematics, 2005 - 2010
Research Assistant, Harran University, Faculty Of Arts And Sciences, Department Of Mathematics, 2002 - 2005
Research Assistant, Ankara University, Faculty Of Science, Department Of Mathematics, 1997 - 2002
Research Assistant, Harran University, Faculty Of Arts And Sciences, Department Of Mathematics, 1995 - 1997

Academic and Administrative Experience

Head of Department, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 2020 - Continues
Rectorate Commissioner, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 2018 - Continues

Courses

Uzmanlık Alan Dersi(Doktora), Doctorate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2014 - 2015, 2013 - 2014
Bitirme Çalışması, Undergraduate, 2021 - 2022, 2019 - 2020
Doktora Tezi, Doctorate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Matematik II, Undergraduate, 2021 - 2022
Matematik 1, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
Yüksek Lisans Tezi, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
Uzmanlık Alan Dersi(Yüksek Lisans), Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
Harmonic Analysis 1, Postgraduate, 2019 - 2020, 2015 - 2016, 2011 - 2012, 2010 - 2011
Kompleks Fonksiyonlar Teorisi 2, Undergraduate, 2019 - 2020, 2018 - 2019
Operatör Teorisi 1, Postgraduate, 2020 - 2021, 2014 - 2015, 2012 - 2013
Kompleks Fonksiyonlar Teorisi 1, Undergraduate, 2019 - 2020, 2012 - 2013
Functional Analysis 2, Doctorate, 2018 - 2019, 2017 - 2018, 2016 - 2017
Kompleks Fonksiyonlar Teorisine Giriş 1, Undergraduate, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2012 - 2013
Functional Analysis1, Doctorate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Matematik Analiz 1, Undergraduate, 2015 - 2016, 2013 - 2014
Lineer Operatörlere Giriş , Undergraduate, 2015 - 2016, 2013 - 2014
Seminer, Postgraduate, 2016 - 2017
Fonksiyonel Analize Giriş, Undergraduate, 2014 - 2015, 2012 - 2013
Lineer Operatörler 1, Postgraduate, 2013 - 2014, 2011 - 2012
Topolojiye Giriş, Undergraduate, 2013 - 2014
Matematik II, Undergraduate, 2012 - 2013
Matematik I, Undergraduate, 2013 - 2014
Fonksiyonel Analiz 1, Undergraduate, 2012 - 2013
Matematik 2, Undergraduate, 2009 - 2010, 2008 - 2009

Advising Theses

Zeren Y., Some Problems of Spectral Theory of Differential Operators and Solvability Problems of Elliptic Equations in Nonstandard Function Spaces, Doctorate, F.Elif(Student), Continues

Zeren Y., Lebesque,Ağırlıklı Lebesque Uzaylarındaki Bazlık Özeliklerinin Araştırılması, Postgraduate, R.BENGİ(Student), Continues

Zeren Y., Solvability Problems of Elliptic Equations in non-standart Banach-Sobolev Function Spacess, Doctorate, Ş.ÇETİN(Student), Continues

Zeren Y., Banach fonksiyon Uzaylarında Bazı Trigonometrik ve Üstel Sistemlerin Bazlık Özellikleri, Postgraduate, M.ÖZÜKANAR(Student), Continues

Zeren Y., Grand-Lebesgue Uzaylarında Dejenere Üstel Sistemlerin Frame Özellikleri, Doctorate, K.ŞİMŞİR(Student), Continues

Zeren Y., Pseudosimetrik Banach Fonksiyon Uzayları , Postgraduate, F.Elif(Student), 2022

Zeren Y., Korovkin Tipli İntegral Operatörlerin İstatistiksel Yakınsaklığı, Doctorate, C.Karaçam(Student), 2021

Zeren Y., İkinci dereceden süreksiz bir diferansiyel operatörün spektral özellikleri, Doctorate, F.ŞİRİN(Student), 2021

Zeren Y., Inital Value Problem for Schrödinger Equation Containing Kurzweil Henstock Integral, Postgraduate, K.AKSOY(Student), 2021

Zeren Y., Yeniden Düzenlenmiş-Değişmez Uzaylarda Katı Singüler Gömmeler, Postgraduate, E.DENİZ(Student), 2019

Zeren Y., Değişken üslü lineer olmayan eliptik denklemler, Postgraduate, C.KAZAR(Student), 2019

Zeren Y., Banach Fonksiyon Uzayları Üzerinde Fourier Serisi, Postgraduate, S.YAVUZ(Student), 2019

Zeren Y., Bazı eşitsizlikler ve uygulamaları, Postgraduate, Y.SARICAOĞLU(Student), 2017

Zeren Y., Frame teori ve ayrılabilir olmayan Hilbert uzayında Bessel sistemi, Postgraduate, Y.SAÇLI(Student), 2017

Zeren Y., Hardy-Littlewood maksimal operatörünün değişken üslü lebesgue uzayında sınırlılığı, Postgraduate, M.DİKMEN(Student), 2017

Zeren Y., Hardy operatörünün diferansiyel denklemlere uygulaması, Postgraduate, K.ŞİMŞİR(Student), 2017

ZEREN Y., Maksimal, Potansiyel ve Singüler İntegral Operatörlerinin Modifiye Olmuş Morrey Uzaylarinda Sınırlılığı, Postgraduate, H.ARMUTCU(Student), 2016

ZEREN Y., Approximation by Positive Operators in some Banach Spaces, Postgraduate, F.ŞİRİN(Student), 2016

ZEREN Y., Ağırlıklı Değişken üslü Lebesgue Uzayında Hardy Operatörünün Kompaktlığı, Doctorate, L.AKIN(Student), 2016

ZEREN Y., Morrey Tip Uzaylarda Yaklaşım Teorisinin Bazı Problemleri, Postgraduate, Ş.ÇETİN(Student), 2016

Zeren Y., Morrey Uzaylarında Riesz Potansiyelinin Bazı Özellikleri, Postgraduate, C.KARAÇAM(Student), 2015

Zeren Y., İntegral operatör aileleriyle genelleştirilmiş türevlere yaklaşım, Postgraduate, L.AKIN(Student), 2008

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, June, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Ticaret Üniversitesi, June, 2022

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, January, 2022

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, December, 2021

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, December, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, December, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, December, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, December, 2020

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, December, 2020

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, November, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Ticaret Üniversitesi,

December, 2019

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, November, 2019

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, November, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Ticaret Üniversitesi, June, 2019

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, May, 2019

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, May, 2019

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, November, 2017

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, November, 2017

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, May, 2017

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, May, 2017

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, November, 2016

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, November, 2016

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, May, 2016

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, May, 2015

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, May, 2014

Post Graduate, Post Graduate, Harran Üniversitesi, May, 2008

Taught Courses And Trainings

Zeren Y., Erasmus Ders Verme Hareketliliği, Romanya, 2014 - 2014

Zeren Y., Erasmus Ders Verme Hareketliliği, İtalya, 2012 - 2012

Published journal articles indexed by SCI, SSCI, and AHCI

I. **The Y -Index of Some Complement Graph Structures and Their Applications of Nanotubes and Nanotorus**
Alsharafi M., Alameri A., ZEREN Y., Shubatah M., Alwardi A.
Journal of Mathematics, vol.2024, 2024 (SCI-Expanded)

II. **Degree-Based Topological Descriptors of Hexaphenylbenzene Molecule Graphs**
Alsharafi M., Akar M., Zeren Y., Alameri A.
Polycyclic Aromatic Compounds, vol.44, no.2, pp.1238-1257, 2024 (SCI-Expanded)

III. **On solvability of homogeneous Riemann boundary value problems in Hardy-Orlicz classes**
Zeren Y., Alizadeh F., Dal F. E.
TURKISH JOURNAL OF MATHEMATICS, vol.47, no.2, pp.565-581, 2023 (SCI-Expanded)

IV. **On solvability in the small and Schauder-type estimates for higher order elliptic equations in grand Sobolev spaces (nonseparable case)**
Bilalov B. T., Zeren Y., Sadigova S. R., Cetin S.
Applicable Analysis, vol.102, no.11, pp.3064-3077, 2023 (SCI-Expanded)

V. **The analogs of the Korovkin theorems in banach function spaces**
ZEREN Y., Ismailov M., Karacam C.
POSITIVITY, vol.26, no.2, 2022 (SCI-Expanded)

VI. **On basicity of exponential and trigonometric systems in grand Lebesgue spaces**
Ismailov M. I., ZEREN Y., Acar K. S., Aliyarova I. F.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.51, no.6, pp.1577-1587, 2022 (SCI-Expanded)

VII. **Solvability in the small of m-th order elliptic equations in weighted grand Sobolev spaces**
Bilalov B., ZEREN Y., Sadigova S., Cetin S.
TURKISH JOURNAL OF MATHEMATICS, vol.46, no.6, pp.2078-2095, 2022 (SCI-Expanded)

VIII. **A VARIABLE EXPONENT BOUNDEDNESS OF THE STEKLOV OPERATOR**

Zeren Y.

MATHEMATICAL INEQUALITIES & APPLICATIONS, vol.24, no.3, pp.645-653, 2021 (SCI-Expanded)

IX. **Korovkin-type theorems and their statistical versions in grand Lebesgue spaces**

ZEREN Y., Ismailov M., Karacam C.

TURKISH JOURNAL OF MATHEMATICS, vol.44, no.3, pp.1027-1041, 2020 (SCI-Expanded)

X. **On basicity of the system of eigenfunctions of one discontinuous spectral problem for second order differential equation for grand-Lebesgue space**

Zeren Y., Ismailov M., Sirin F.

TURKISH JOURNAL OF MATHEMATICS, vol.44, pp.1595-1611, 2020 (SCI-Expanded)

XI. **ON BOUNDEDNESS OF FRACTIONAL MAXIMAL OPERATOR IN WEIGHTED Lp(.) SPACES**

MAMEDOV F. I., ZEREN Y.

MATHEMATICAL INEQUALITIES & APPLICATIONS, vol.19, no.1, pp.1-14, 2016 (SCI-Expanded)

XII. **A Necessary and Sufficient Condition for Hardy's Operator in the Variable Lebesgue Space**

Mamedov F., Zeren Y.

ABSTRACT AND APPLIED ANALYSIS, 2014 (SCI-Expanded)

XIII. **On Equivalent Conditions for the General Weighted Hardy Type Inequality in Space Lp(.)**

Mamedov F. I., ZEREN Y.

ZEITSCHRIFT FUR ANALYSIS UND IHRE ANWENDUNGEN, vol.31, no.1, pp.55-74, 2012 (SCI-Expanded)

XIV. **NECESSARY AND SUFFICIENT CONDITIONS FOR THE BOUNDEDNESS OF THE RIESZ POTENTIAL IN MODIFIED MORREY SPACES**

Guliyev V. S., Hasanov J. J., ZEREN Y.

JOURNAL OF MATHEMATICAL INEQUALITIES, vol.5, no.4, pp.491-506, 2011 (SCI-Expanded)

XV. **On a two-weighted estimation of maximal operator in the Lebesgue space with variable exponent**

Mamedov F. I., ZEREN Y.

ANNALI DI MATEMATICA PURA ED APPLICATA, vol.190, no.2, pp.263-275, 2011 (SCI-Expanded)

XVI. **On the limiting case for boundedness of the B-Riesz potential in B-Morrey spaces**

Guliyev V. S., Hasanov J. J., Zeren Y.

ANALYSIS MATHEMATICA, vol.35, no.2, pp.87-97, 2009 (SCI-Expanded)

XVII. **Pointwise and integral estimates for the B-Riesz potential in terms of B-maximal and B-fractional maximal functions**

Guliev V. S., GARAKHANOVA N., ZEREN Y.

SIBERIAN MATHEMATICAL JOURNAL, vol.49, no.6, pp.1008-1022, 2008 (SCI-Expanded)

XVIII. **On the Riesz potential in Morrey spaces, associated with the Laplace-Bessel differential operator**

Zeren Y.

INTEGRAL TRANSFORMS AND SPECIAL FUNCTIONS, vol.19, no.8, pp.607-612, 2008 (SCI-Expanded)

Articles Published in Other Journals

I. **THE Y- INDEX AND COINDEX OF V C5C7[p; q] AND HC5C7[p; q] NANOTUBES**

ALSHARAFI M., ALAMERI A., ZEREN Y.

Turkish World Mathematical Society Journal of Applied and Engineering Mathematics, vol.14, no.2, pp.433-445, 2024 (ESCI)

II. **Degree-Based Molecular Descriptors of Chain Biphenylene**

ZEREN Y., Alameri A., Alsharafi M., Ayache A., Jamil M. K.

Biointerface Research in Applied Chemistry, vol.13, no.5, 2023 (Scopus)

III. **On innovations of the multivariable fractional Hardy-type inequalities on time scales**

Toprakseven S., Bengi R., Zeren Y.

Forum of Mathematics, Sigma, vol.41, no.4, pp.807-811, 2023 (Peer-Reviewed Journal)

IV. **On innovations of the multivariable fractional Hardy-type inequalities on time scales**

Akın L., Zeren Y.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.41, no.2, pp.415-422, 2023 (ESCI)

V. **Pseudosymmetric Spaces as Generalization of Symmetric spaces**
Bilalov B., Zeren Y., Alizade B., Dal F. E.
SAHAND COMMUNICATIONS IN MATHEMATICAL ANALYSIS, vol.20, no.1, pp.61-79, 2022 (ESCI)

VI. **Solution in the Small and Interior Schauder-type Estimate for the m-th Order Elliptic Operator in Morrey-Sobolev Spaces**
Bilalov B., Ahmedov T., Zeren Y., Sadıgova S.
AZERBAIJAN JOURNAL OF MATHEMATICS, vol.2, no.12, pp.190-219, 2022 (ESCI)

VII. **SOME PROPERTIES FOR HIGHER ORDER COMMUTATORS OF HARDY-TYPE INTEGRAL OPERATOR ON HERZ–MORREY SPACES WITH VARIABLE EXPONENT**
AKIN L., ZEREN Y.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.10, no.2, pp.157-163, 2019 (ESCI)

VIII. **Some questions of harmonic analysis in weighted Morrey type spaces**
ZEREN Y.
AFRIKA MATEMATIKA, vol.30, pp.129-150, 2019 (ESCI)

IX. **DESIGN AND VERIFICATION OF PARITY CHECKING CIRCUIT USING HOL4 THEOREM PROVING**
Deniz E., Aksoy K., Tahar S., ZEREN Y.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.10, no.2, pp.245-252, 2019 (ESCI)

X. **INTRODUCTION TO HOL4 THEOREM PROVER**
Aksoy K., Tahar S., ZEREN Y.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.10, no.2, pp.237-243, 2019 (ESCI)

XI. **On Morrey-type classes of harmonic functions**
ZEREN Y., Abdullayeva R. H., Çetin S.
RENDICONTI DEL CIRCOLO MATEMATICO DI PALERMO, vol.67, no.3, pp.501-516, 2018 (ESCI)

XII. **Approximation To Generalized Taylor Derivatives By Integral Operator Families**
Akın L., Zeren Y.
MSU J. OF SCİ., vol.5, pp.421-423, 2017 (Peer-Reviewed Journal)

XIII. **Compactification of Weighted Hardy Operator in Variable Exponent Lebesgues Spaces**
Mamedov F., Zeren Y., Akın L.
Asian Journal of Mathematics and Computer Research, vol.17, pp.38-47, 2017 (Peer-Reviewed Journal)

XIV. **On some Hardy-Sobolev's type variable exponent inequality and its application**
Mamedov F. I., Mammadli S. M., Zeren Y.
Transactions Issue Mathematics, Azerbaijan National Academy of Sciences, vol.37, pp.102-110, 2017 (Scopus)

XV. **On One Kind of Positive Operators in Lebesgue Space Of Harmonic Functions**
Zeren Y., Şirin F., Hasanlı R.
Transactions of NAS of Azerbaijan, Issue Mathematics, vol.36, no.4, 2016 (Scopus)

XVI. **Two weight inequalities for the maximal operator in lebesgue space with variable exponent.**
Zeren Y., Mamedov F.
Journal of Mathematical Sciences, vol.173, no.6, pp.701-716, 2011 (Scopus)

XVII. **On limiting case of the Sobolev theorem for B-Riesz potential in B-Morrey spaces**
Zeren Y., Hasanov J. J.
Arab Journal of Mathematical Sciences, vol.13, pp.27-38, 2007 (Scopus)

XVIII. **Two-weight norm inequalities for some anisotropic sublinear operators**
ZEREN Y., guliyev v.
Turk J. Math, 2006 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Pseudosymmetric spaces as generalization of symmetric spaces**
Bılalov B., Zeren Y., Alızade B., Dal F. E.
5th International ONLINE Conference on Mathematical Advances and Applications, İstanbul, Turkey, 11 - 14 May 2022, vol.1, no.1, pp.50

II. **Solvability in the small and interior Schauder type estimates for m − th order elliptic equations in weighted Banach function spaces**
Bılalov B., Softova L., Zeren Y., Sadıgova S.
5th International ONLINE Conference on Mathematical Advances and Applications, İstanbul, Turkey, 11 - 14 May 2022, vol.1, no.1, pp.123

III. **Solution in the Small and Interior Schauder-type Estimate for the m-th Order Elliptic Operator in Morrey-Sobolev Spaces**
Zeren Y., Bılalov B., Sadıgova S., Çetin Ş.
5th International ONLINE Conference on Mathematical Advances and Applications, İstanbul, Turkey, 11 - 14 May 2022, vol.1, no.1, pp.52

IV. **On solvability in the small and Schauder-type estimates for higher order elliptic equations in grand Sobolev spaces**
Bılalov B., Zeren Y., Sadıgova S., Çetin Ş.
5th International ONLINE Conference on Mathematical Advances and Applications, İstanbul, Turkey, 11 - 14 May 2022, vol.1, no.1, pp.51

V. **A Generalization of the New Dynamic Inequalities on Time Scales**
Akın L., Zeren Y.
5th International ONLINE Conference on Mathematical Advances and Applications, İstanbul, Turkey, 11 - 14 May 2022, vol.1, no.1, pp.122

VI. **On the basis property of a weighted exponential system in grand Lebesgue spaces**
Zeren Y., Ismayılov M., Şimşir Acar K.
5th International ONLINE Conference on Mathematical Advances and Applications, İstanbul, Turkey, 11 - 14 May 2022, vol.1, no.1, pp.200

VII. **Korovkin Theorems in grand Lebesgue spaces in the sense of statistical equi-equal convergence**
Zeren Y., Karaçam C., Şirin F.
5th International ONLINE Conference on Mathematical Advances and Applications, İstanbul, Turkey, 11 - 14 May 2022, vol.1, no.1, pp.58

VIII. **On basicity of the system of eigenfunctions of a spectral problem in weighted Morrey space**
Şirin F., Zeren Y., Karaçam C.
5th International ONLINE Conference on Mathematical Advances and Applications, İstanbul, Turkey, 11 - 14 May 2022, vol.1, no.1, pp.90

IX. **On Basicity Of The System of Eigenfunctions for One Discontinuous Operator Produced by a Spectral Problem in Banach Function Space**
Zeren Y., Şirin F.
TURKISH JOURNAL OF MATHEMATICS - STUDIES ON SCIENTIFIC DEVELOPMENTS IN GEOMETRY, ALGEBRA, AND APPLIED MATHEMATICS, İstanbul, Turkey, 1 - 03 February 2022, vol.1, no.1, pp.104

X. **Statistical Variants of Analogs of Korovkin type Theorems in Banach Function Spaces**
Zeren Y., Ismayılov M., Karaçam C.
TURKISH JOURNAL OF MATHEMATICS - STUDIES ON SCIENTIFIC DEVELOPMENTS IN GEOMETRY, ALGEBRA, AND APPLIED MATHEMATICS, İstanbul, Turkey, 1 - 03 February 2022, vol.1, no.1, pp.104

XI. **Analogs on Korovkin theorems and their statistical versions in weighted grand Lebesgue spaces**
Zeren Y., Karaçam C., İsmailov M.
4 th İnternational Conference on Mathematical Advances and Applications, İstanbul, Turkey, 26 May - 29 June 2021, vol.1, no.1, pp.142

XII. **Positive solutions of fractional boundary value problems for a combined Caputo fractional**

differential equation
Zeren Y., Toprakseven Ş.
4th International E-Conference on Mathematical Advances and Applications, İstanbul, Turkey, 26 - 29 May 2021,
pp.192

XIII. **On solvability "in small" of Higher Order Elliptic Equations in Symmetric Spaces**
Zeren Y., Bilalov B., Sadigova S., Çetin Ş.
4th International E-Conference on Mathematical Advances and Applications, İstanbul, Turkey, 26 - 29 May 2021,
pp.183

XIV. **Some equivalents to convergences operator sequences in the weighted grand Lebesgue spaces**
Zeren Y., İsmailov M., Karaçam C.
4th International E-Conference on Mathematical Advances and Applications, İstanbul, Turkey, 26 - 29 May 2021,
pp.69

XV. **On the basis property of a system of eigenfunctions of a discontinuous second-order differential operator in a weighted grand Lebesgue spaces**
Zeren Y., İsmailov M., Şirin F.
4th International E-Conference on Mathematical Advances and Applications, İstanbul, Turkey, 26 - 29 May 2021,
pp.141

XVI. **On Innovations of the Multivariable Fractional Hardy-Type Inequalities on Time Scales**
Zeren Y., Akın L.
4th International E-Conference on Mathematical Advances and Applications, İstanbul, Turkey, 26 - 29 May 2021,
pp.132

XVII. **Interior Schauder-type Estimates for Higher-order Elliptic Operators in Grand-Sobolev Spaces**
Bilalov B., Sadigova S., Zeren Y., Dal F. E.
4th International E-Conference on Mathematical Advances and Applications, İstanbul, Turkey, 26 - 29 May 2021,
pp.64

XVIII. **Lyapunov-type inequality for an anti-periodic fractional boundary value problem of the RieszCaputo derivative**
Zeren Y., Bengi R., Toprakseven Ş.
4th International E-Conference on Mathematical Advances and Applications, İstanbul, Turkey, 26 - 29 May 2021,
pp.191

XIX. **On basicity properties of the system of exponentials and trigonometric functions in weighted grand-lebesgue spaces**
Zeren Y., İsmailov M., Şirin F.
4th International Conference on Mathematical Advances and Applications, İstanbul, Turkey, 26 - 29 May 2021,
vol.1, pp.94

XX. **An Investigation on Fractional Maximal Operatör in Time Scales**
AKIN L., ZEREN Y.
International Conference of Mathematical Advances and Applications, Turkey, 24 June 2020, vol.3

XXI. **Spectral properties of the problem on vibrations of a loaded string in weighted grand Lebesgue spaces**
Zeren Y.
International Conference on Mathematical Advances and Applications, İstanbul, Turkey, 24 - 27 June 2020, pp.79

XXII. **Korovkin-type theorems and their statistical versions in the weighted grand-Lebesgue spaces**
Zeren Y.
ICOMAA 2020, İstanbul, Turkey, 24 June - 27 August 2020, pp.65

XXIII. **A Brief Introduction to Henstock Kurzweil Integral**
Aksoy K., Zeren Y.
3rd International E-Conference on Mathematical Advances and Applications, İstanbul, Turkey, 24 - 27 June 2020,
pp.119

XXIV. **Using HOL4 for the Reliability Verification of Parity Checking Circuit**
Deniz E., Aksoy K., Tahar S., ZEREN Y.

2nd Intertanional Conference on Mathematical advances and Applications (ICOMAA2019), 3 - 05 May 2019

XXV. **In-service Teachers' Understanding of Geometric Reflections: Motion and Mapping view**
ZEREN Y., ŞİRİN F.
2nd International Conference on Mathematical Advances and Applications, İstanbul, Turkey, 3 - 05 May 2019, pp.74

XXVI. **On Spectral Properties of Second Order Discontinuous Differential Operator in 茎毛) ⊕ ℂ**
ZEREN Y., ŞİRİN F.
2nd International Conference on Mathematical Advances and Applications, İstanbul, Turkey, 3 - 05 May 2019, pp.71

XXVII. **A variable exponent boundedness of the Steklov operator**
ZEREN Y., ŞİRİN F.
2nd International Conference on Mathematical Advances and Applications, İstanbul, Turkey, 3 - 05 May 2019, pp.94

XXVIII. **On Spektral Properties of Discontinuous Differential Operators With Second Order**
ZEREN Y., ŞİRİN F.
2nd International Conference on Mathematical Advances and Applications, İstanbul, Turkey, 3 - 05 May 2019

XXIX. **On Existence and Uniquiness of Some Class NonlinearEigenvalue Problem**
ZEREN Y., AKIN L.
4th INTERNATIONAL CONFERENCE ON ANALYSISAND ITS APPLICATIONSSEPTEMBER 11-14, 2018, KIRSEHIR / TURKEY, Kırşehir, Turkey, 11 - 14 September 2018, pp.188-191

XXX. **On solvability of some nonlinear eigenvalue problem in variable exponent Lebesgue spaces**
MAMEDOV F. I., ZEREN Y., Mammadli S. M.
International Conference on Mathematical Advances and Applications, İstanbul, Turkey, 11 May 2018, pp.21

XXXI. **Basis Properties of Trigonometric Systems in Weighted Morrey Spaces**
BİLALOV B., ZEREN Y., Çetin Ş.
International Conference on Mathematical Advances and Applications, İstanbul, Turkey, 11 May 2018, pp.19

XXXII. **On a solvability for some variable exponent eigenvalue problem**
ZEREN Y., AKIN L., ŞİMŞİR K., Kazar C.
International Conference on Mathematical Advances and Applications, İstanbul, Turkey, 11 May 2018, pp.163

XXXIII. **An Increase Theorem for Positive Solutions of The Parabolic Equation second order**
Deniz E., ZEREN Y., Guliyev A., YAVUZ S.
International Conference on Mathematical Advances and Applications, İstanbul, Turkey, 11 May 2018, pp.43

XXXIV. **On the Boundedness of Fractional Maximal Operator with Variable Kernel on Herz-Morrey spaces**
AKIN L., ZEREN Y., Düşünceli F.
International Conference on Mathematical Advances and Applications, İstanbul, Turkey, 11 May 2018, pp.98

XXXV. **On Weighted Zorko Subspaces and Riesz type Theorems for Analytic Functions**
ZEREN Y., YAVUZ S.
International Conference on Mathematical Advances and Applications, İstanbul, Turkey, 11 May 2018, pp.162

XXXVI. **Fejer's Theorem and It's Statistical Version in Lp(lr)**
ZEREN Y.
Modern Problems of Mathematics and Mechanics, Baku, Azerbaijan, 06 December 2017, pp.231-233

XXXVII. **On some compactness result in weighted variable exponent Lebesgue space**
ZEREN Y., AKIN L., ŞİMŞİR K.
Modern Problems of Mathematics and Mechanics, Baku, Azerbaijan, 6 - 08 December 2017, pp.230

XXXVIII. **On the fractional maximal operator on some critical weighted Herz spaces with variable exponent Lebesgue spaces**
AKIN L., ZEREN Y., DÜŞÜNCELİ F.
Modern Problems of Mathematics and Mechanics, Baku, Azerbaijan, 6 - 08 December 2017, pp.21-22

XXXIX. **Fourier Series on Banach Function Space**
YAVUZ S., ZEREN Y.
International Conference on Operators in Morrey-Type Spaces and Aplications, Kırşehir, Turkey, 10 June - 13

October 2017

XL. **Approximation To Generalized Riemann Derivatives By Integral Operator Families**
AKIN L., ZEREN Y., DÜŞÜNCELİ F.
Caucasian Mathematics Conference, CMC II, VAN, TURKEY, Van, Turkey, 22 - 24 August 2017, pp.26

XLI. **Some Questions of Harmonic Analysis in Weighted Morrey Type Spaces**
ZEREN Y.
OMTSA -2017, 10 - 13 July 2017

XLII. **The Boundedness of The Hardy-Littlewood Maximal Operator**
Dikmen M., ZEREN Y.
International Conferenceon Operators in Morrey-Type Spaces and Aplications, Kırşehir, Turkey, 10 - 13 June 2017

XLIII. **A Variable Exponent Hardy's Inequality for Some Nonlinear Equation and Its Application**
ŞİMŞİR K., ZEREN Y., MAMEDOV F.
International Conference on Mathematics and Engineering, İstanbul, Turkey, 10 - 12 May 2017

XLIV. **Uncountable Bessel System in Non-Seperable Hilbert Spaces**
SAÇLI Y., ZEREN Y.
International Conferenceon Mathematics and Engineering, İstanbul, Turkey, 10 - 12 May 2017

XLV. **μ-statistical Convergence and μ-stat Fundemantality**
KARAÇAM C., ZEREN Y., BİLALOV B.
InternationalConference on Mathematics and Engineering, İstanbul, Turkey, 10 - 12 May 2017

XLVI. **Approximation To Generalized Derivatives By Integral Operator Families**
AKIN L., ZEREN Y.
ICMME 2017, Şanlıurfa, Turkey, 11 - 13 May 2017

XLVII. **BOUNDEDNESS OF THE CALDERON ZYGMUNDSINGULAR INTEGRAL OPERATOR AND ITSCOMMUTATORS ON MODIFIED MORREY SPACES**
Armutçu H., ZEREN Y., Guliyev V.
INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, 12 - 15 July 2016

XLVIII. **COMPACTNESS OF MAXIMAL OPERATOR INWEIGHTED LEBESGUE SPACES WITH VARIABLEEXPONENT**
AKIN L., ZEREN Y.
INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, 12 - 15 July 2016

XLIX. **COMPACTNESS OF FRACTIONAL MAXIMAL OPERATORIN WEIGHTED Lp x 0 L SPACE**
ZEREN Y., AKIN L.
INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, 12 - 15 July 2016

L. **BOUNDEDNESS OF THE CALDERON-ZYGMUND SINGULER INTEGRAL OPERATOR AND ITS COMMUTATORS ON MODIFIED MORREY SPACES**
ZEREN Y., ARMUTÇU H., S. GULIYEV V.
2nd INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATION, 01 July 2016

LI. **ON ONE KIND OF POSITIVE OPERATORS IN LEBESGUE SPACE OF HARMONIC FUNCTIONS**
ZEREN Y., ŞİRİN F.
2nd INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATION, 01 July 2016

LII. **ON SOME PROPERTIES OF POISSON AND CAUCHY TYPE INTEGRALS IN WEIGHTED MORREY TYPE SPACES**
ZEREN Y., ÇETİN Ş.
2nd INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATION, 01 July 2016

LIII. **Compactness of Fractional Maximal Operator ın Weighted L^p(x)(0,1) Spaces**
ZEREN Y., AKIN L.
2nd INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATION, 01 July 2016

Supported Projects

ZEREN Y., Karaçam C., Project Supported by Higher Education Institutions, Grand Lebesgue Uzaylarında Korovkin Tipli

Yaklaşım ve İstatistiksel Süreklilik, 2020 - 2022

ZEREN Y., Şirin F., Project Supported by Higher Education Institutions, AĞIRLIKLI BİR TELİN TİTREŞİM PROBLEMİNİN GRAND-LEBESGUE UZAYLARINDA SPEKTRAL ÖZELLİKLERİ, 2020 - 2022

Zeren Y., TÜBİTAK International Bilateral Joint Cooperation Program Project, 2542 - Azerbaycan Ulusal Bilimler Akademisi (ANAS) ile İkili İşbirliği Programı, 2020 - 2022

Zeren Y., Aksoy K., Project Supported by Higher Education Institutions, Initial Value Problem for Schrödinger Equation Containing Kurzweil Henstock Integral, 2020 - 2021

Zeren Y., Akın L., Project Supported by Higher Education Institutions, İletişim Cihazlarının Yapılandırılmasında Matematiksel Modeller, 2017 - 2018

ZEREN Y., Project Supported by Higher Education Institutions, Maksimal, Potansiyel ve Singüler İntegral Operatörlerinin Modifiye edilmiş Morrey Uzaylarında Sınırlılığı, 2015 - 2016

ZEREN Y., Project Supported by Higher Education Institutions, Ağırlıklı Ve Değişken Üslü Lebesgue Uzayında Hardy Operatörünün Kompaktlığı, 2014 - 2015

Activities in Scientific Journals

Conference Proceedings of Science and Technology, Editor, 2021 - 2021
Sigma Journal of Engineering and Natural Sciences, Special Issue Editor, 2021 - 2021
Conference Proceedings of Science and Technology, Editor, 2020 - 2020
Sigma Journal of Engineering and Natural Sciences, Special Issue Editor, 2019 - 2019
Conference Proceedings of Science and Technology, Editor, 2019 - 2019

Scientific Refereeing

Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, June 2019
CELAL BAYAR ÜNİVERSİTESİ FEN BİLİMLERİ DERGİSİ, National Scientific Refreed Journal, May 2019
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, February 2018
TUBITAK Project, 2221 - Sabbatical Science Support P., Yildiz Technical University, Turkey, July 2012

Scientific Consultations

Tübitak, ARDEB-Dış Danışman Değerlendirmesi, Project Consultancy, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, Turkey, 2019 - 2019

Tübitak, 4007 Bilim Şenlikleri Paneli, Project Consultancy, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, Turkey, 2018 - 2018

Tübitak, ARDEB, Project Consultancy, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, Turkey, 2018 - 2018

Tübitak, BİDEB-2221 Konuk veya Akademik İzinli Bilim İnsanı Destekleme Programı, Project Consultancy, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, Turkey, 2017 - 2017

Tübitak, 4006 İstanbul İl Temsilciliği, Project Consultancy, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, Turkey, 2017 - 2017

Tübitak, 2221 Konuk veya Akademik İzinli Bilim İnsanı Destekleme Programı, Project Consultancy, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, Turkey, 2017 - 2017

Tübitak, ARDEB-Topoloji Paneli, Project Consultancy, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, Turkey, 2017 - 2017

Tübitak, 2232 Uluslararası Lider Araştırmacılar Programı, Project Consultancy, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, Turkey, 2017 - 2017

Tasks In Event Organizations

Zeren Y., 2nd INTERNATIONAL WORKSHOP ON FUNCTIONAL ANALYSIS AND APPLICATIONS, Workshop Organization, İstanbul, Turkey, Mayıs 2022

Zeren Y., 5th International E-Conference on Mathematical Advances and Applications, Scientific Congress, İstanbul, Turkey, Mayıs 2022

Zeren Y., INTERNATIONAL WORKSHOP ON FUNCTIONAL ANALYSIS AND APPLICATIONS, Workshop Organization, İstanbul, Turkey, Ocak 2022

Zeren Y., 4th International E-Conference on Mathematical Advances and Applications, Scientific Congress, Turkey, Mayıs 2021

Zeren Y., 3rd International E-Conference on Mathematical Advances and Applications, Scientific Congress, İstanbul, Turkey, Haziran 2020

Zeren Y., 2nd International Conference on Mathematical Advances and Applications (ICOMAA2019), Scientific Congress, İstanbul, Turkey, Mayıs 2019

Zeren Y., International Conference on Mathematical Advances and Applications (ICOMAA2018), Scientific Congress, İstanbul, Turkey, Mayıs 2018

Zeren Y., Eğitimcilerin Eğitimi Çalıştayı, Workshop Organization, Batman, Turkey, Haziran 2008

Mobility Activity

Erasmus Programme, Lecturing, Universitatea Alexandru Joan Cuza din Tasi, Romania, 2014 - 2014
Erasmus Programme, Lecturing, Universita Degli di Lecce, Italy, 2012 - 2012

Metrics

Publication: 91
Citation (WoS): 69
Citation (Scopus): 71
H-Index (WoS): 4
H-Index (Scopus): 5

Congress and Symposium Activities

TURKISH JOURNAL OF MATHEMATICS - STUDIES ON SCIENTIFIC DEVELOPMENTS IN GEOMETRY, ALGEBRA, AND APPLIED MATHEMATICS, Attendee, Ankara, Turkey, 2022

TURKISH JOURNAL OF MATHEMATICS - STUDIES ON SCIENTIFIC DEVELOPMENTS IN GEOMETRY, ALGEBRA, AND APPLIED MATHEMATICS, Attendee, Ankara, Turkey, 2022

Western Balkan Conference in Mathematics and Applications, Attendee, Priştine, Kosovo, 2021

2nd International Conference on Mathematical Advances and Applications (ICOMAA), Working Group, İstanbul, Turkey, 2019

4th International Conference on Analysis and its Applications (ICAA), Working Group, Kırşehir, Turkey, 2018

International Conference on Mathematical Advances and Applications (ICOMAA), Working Group, İstanbul, Turkey, 2018

Modern Problems of Mathematics and Mechanics, Working Group, Baku, Azerbaijan, 2017

2nd International Conference on Analysis and its Applications (ICAA), Working Group, Kırşehir, Turkey, 2016

Mathematical Analysis, Differential Equations and their Applications (MADEA7), Working Group, Baku, Azerbaijan, 2015

International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM14), Working Group, Antalya, Turkey, 2014

International Conference on Applied Analysis and Mathematical Modeling (ICAAMM2013), Working Group, İstanbul,

Turkey, 2013

International Conference on Applied Analysis and Algebra, Working Group, İstanbul, Turkey, 2012

International Conference on Analysis and its Applications, Working Group, Aligarh, India, 2011

International Conference on Applied Analysis and Algebra, Working Group, İstanbul, Turkey, 2011

III. Ankara Matematik Günleri Sempozyumu, Working Group, Ankara, Turkey, 2008

II. Türk Dünyası Matematik Sempozyumu, Working Group, Sakarya, Turkey, 2007

Eğitimcilerin Eğitimi Semineri, Working Group, Şanlıurfa, Turkey, 2005

International Mathematics Symposium, Working Group, Baku, Azerbaijan, 2005

Scholarships

NATO-D, NATO, 2004 - 2004

NATO-B1, NATO, 2003 - 2003

NATO-A2, NATO, 2002 - 2002

Awards

Zeren Y., Teşekkür Belgesi, Yıldız Teknik Üniversitesi, February 2022

Zeren Y., Teşekkür Belgesi, Yıldız Teknik Üniversitesi, January 2012