

# Prof. İSMAIL EKİNCİOĞLU

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## Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Turkey 1990 - 1995

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı, Turkey 1988 - 1990

Undergraduate, Ataturk University, Fen Fakültesi, Matematik, Turkey 1983 - 1987

## Research Areas

Functional Analysis, Fourier Analysis, General Mathematics, Abstract Harmonic Analysis

## Academic Titles / Tasks

Professor, Istanbul Medeniyet University, Faculty Of Engineering And Natural Sciences , Mathematics , 2022 - Continues

Professor, Kütahya Dumlupınar University, Fen Edebiyat Fakültesi, Matematik Bölümü, 2013 - Continues

Associate Professor, Kütahya Dumlupınar University, Fen Edebiyat Fakültesi, Matematik Bölümü, 2007 - 2013

Assistant Professor, Kütahya Dumlupınar University, Fen Edebiyat, Matematik, 2001 - 2007

## Academic and Administrative Experience

Head of Department, Kütahya Dumlupınar University, Fen Edebiyat Fakültesi, Matematik , 2016 - 2019

Head of Department, Kütahya Dumlupınar University, Fen Edebiyat Fakültesi, Matematik, 2003 - 2012

Head of Department, Kütahya Dumlupınar University, Rektörlük, Enformatik, 2002 - 2011

Head of Department, Afyon Kocatepe University, Fen Edebiyat Fakültesi, Matematik, 1995 - 1998

## Courses

Complex Functions Theory II, Undergraduate, 2022 - 2023

Functional Analysis, Undergraduate, 2022 - 2023

## Advising Theses

Ekincioglu İ., Genelleştirilmiş Orlicz-Morrey Uzaylarında Integral Operatörleri vee Kısmi Diferansiyel Denklemleri,

Doctorate, A.Ahmadli(Student), Continues

Ekinciöglü İ., Schrödinger Operatörüne Karşılık Gelen İntegral Operatörlerinin Lokal Genelleştirilmiş Morrey Uzaylarında Sınırlılığı, Doctorate, R.Guliyev(Student), Continues

Ekinciöglü İ., Maximal operators related to laplace-bessel operators on variable exponent lebesgue spaces, Doctorate, E.KAYA(Student), 2018

Ekinciöglü İ., The singular integral operators related to generalized shift operator in beppo-levi space, Doctorate, S.Er(Student), 2015

Ekinciöglü İ., The singular integral operators related to generalized shift operator in Hardy spaces, Doctorate, C.KESKİN(Student), 2015

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

- I. **Generalized Bessel potential and its application to non-homogeneous singular screened Poisson equation**  
Shishkina E., Ekincioglu İ., Keskin C.  
INTEGRAL TRANSFORMS AND SPECIAL FUNCTIONS, vol.32, no.12, pp.932-947, 2021 (Journal Indexed in SCI)
- II. **Multilinear commutators of Calderon-Zygmund operator on generalized variable exponent Morrey spaces**  
Ekincioglu İ., Keskin C., ŞERBETÇİ A.  
POSITIVITY, vol.25, no.4, pp.1551-1567, 2021 (Journal Indexed in SCI)
- III. **Bessel type Kolmogorov inequalities on weighted Lebesgue spaces**  
Ekincioglu İ., Kaya E.  
APPLICABLE ANALYSIS, vol.100, no.8, pp.1634-1643, 2021 (Journal Indexed in SCI)
- IV. **On the Boundedness of the Generalized Translation Operator on Variable Exponent Lebesgue Spaces**  
Ekincioglu İ., Shishkina E. L., Kaya E.  
ACTA APPLICANDAE MATHEMATICAE, vol.173, no.1, 2021 (Journal Indexed in SCI)
- V. **CHARACTERIZATIONS FOR THE FRACTIONAL INTEGRAL OPERATOR AND ITS COMMUTATORS IN GENERALIZED WEIGHTED MORREY SPACES ON CARNOT GROUPS**  
Guliyev V. S., Ekincioglu İ.  
JOURNAL OF MATHEMATICAL INEQUALITIES, vol.15, no.1, pp.151-171, 2021 (Journal Indexed in SCI)
- VI. **Global regularity in Orlicz-Morrey spaces of solutions to parabolic equations with VMO coefficients**  
Guliyev V., Ekincioglu İ., Ahmadli A., Omarova M.  
JOURNAL OF PSEUDO-DIFFERENTIAL OPERATORS AND APPLICATIONS, vol.11, no.4, pp.1963-1989, 2020 (Journal Indexed in SCI)
- VII. **B-n-MAXIMAL OPERATOR AND B-n -SINGULAR INTEGRAL OPERATORS ON VARIABLE EXPONENT LEBESGUE SPACES**  
Ekincioglu İ., Guliyev V. S., Kaya E.  
MATHEMATICA SLOVACA, vol.70, no.4, pp.893-902, 2020 (Journal Indexed in SCI)
- VIII. **Some inequalities for homogeneous B-n-potential type integrals on H-Delta nu(p) Hardy spaces**  
Keskin C., Ekincioglu İ.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.49, no.5, pp.1667-1675, 2020 (Journal Indexed in SCI)
- IX. **Characterizations of Hardy spaces associated with Laplace-Bessel operators**  
Keskin C., Ekincioglu İ., Guliyev V. S.  
ANALYSIS AND MATHEMATICAL PHYSICS, vol.9, no.4, pp.2281-2310, 2019 (Journal Indexed in SCI)
- X. **Characterizations for the fractional maximal commutator operator in generalized Morrey spaces on Carnot group**  
Guliyev V., Ekincioglu İ., Kaya E., Safarov Z.  
INTEGRAL TRANSFORMS AND SPECIAL FUNCTIONS, vol.30, no.6, pp.453-470, 2019 (Journal Indexed in SCI)
- XI. **Multiple small solutions for  $p(x)$ -Schrodinger equations with local sublinear nonlinearities via genus**

**theory**

Ayazoglu (Mashiyev) R., Ekincioglu İ., Alisoy G.

ELECTRONIC JOURNAL OF QUALITATIVE THEORY OF DIFFERENTIAL EQUATIONS, vol.2017, no.75, pp.1-16, 2017  
(Journal Indexed in SCI)

- XII. **Electrorheological Fluids Equations Involving Variable Exponent with Dependence on the Gradient via Mountain Pass Techniques**  
Ayazoglu (Mashiyev) R., Ekincioglu İ.  
NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION, vol.37, no.9, pp.1144-1157, 2016 (Journal Indexed in SCI)
- XIII. **The  $L_{p_1} \times L_{p_2} \times$  center dot center dot center dot  $\times L$ -pkrk boundedness of rough multilinear fractional integral operators in the Lorentz spaces**  
Guliyev V. S. , Ekincioglu İ., Nazirova S. A.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, vol.2015, pp.1-15, 2015 (Journal Indexed in SCI)
- XIV. **High order Riesz transforms and mean value formula for generalized translate operator**  
Ekincioglu İ., SAYAN H. H. , Keskin C.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, vol.2014, 2014 (Journal Indexed in SCI)
- XV. **Linear and nonlinear convolution elliptic equations**  
Shakhmurov V. B. , Ekincioglu İ.  
BOUNDARY VALUE PROBLEMS, vol.2013, 2013 (Journal Indexed in SCI)
- XVI. **POINTWISE AND INTEGRAL ESTIMATES FOR THE FRACTIONAL INTEGRALS ON THE LAGUERRE HYPERGROUP**  
Guliyev V. S. , Garakhanova N. N. , Ekincioglu İ.  
MATHEMATICAL INEQUALITIES & APPLICATIONS, vol.15, no.3, pp.513-524, 2012 (Journal Indexed in SCI)
- XVII. **Hölder weight estimates of Riesz-Bessel singular integrals generated by a generalized shift operator**  
Ekincioglu İ., Keskin C., Er S.  
Analele Stiintifice ale Universitatii Ovidius Constanta, Seria Matematica, vol.19, pp.75-92, 2011 (Journal Indexed in SCI)
- XVIII. **The boundedness of the generalized anisotropic potentials with rough kernels in the Lorentz spaces**  
Guliyev V. S. , ŞERBETÇİ A., Ekincioglu İ.  
INTEGRAL TRANSFORMS AND SPECIAL FUNCTIONS, vol.22, no.12, pp.919-935, 2011 (Journal Indexed in SCI)
- XIX. **HOLDER WEIGHT ESTIMATES OF RIESZ-BESSEL SINGULAR INTEGRALS GENERATED BY A GENERALIZED SHIFT OPERATOR**  
Ekincioglu İ., Keskin C., Er S.  
ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA-SERIA MATEMATICA, vol.19, no.1, pp.75-92, 2011 (Journal Indexed in SCI)
- XX. **The Boundedness of High Order Riesz-Bessel Transformations Generated by the Generalized Shift Operator in Weighted  $L(p, \omega, \gamma)$  -spaces with General Weights**  
Ekincioglu İ.  
ACTA APPLICANDAE MATHEMATICAE, vol.109, no.2, pp.591-598, 2010 (Journal Indexed in SCI)
- XXI. **On limiting case of the Sobolev theorem for B-Riesz potential in modified B-Morrey spaces**  
Guliyev Y. Y. , Hasanov J. J. , Ekincioglu İ.  
COMPLEX VARIABLES AND ELLIPTIC EQUATIONS, vol.55, no.8-10, pp.865-873, 2010 (Journal Indexed in SCI)
- XXII. **Necessary and sufficient conditions for the boundedness of rough B-fractional integral operators in the Lorentz spaces**  
Guliyev V. S. , Serbetci A., Ekincioglu İ.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.336, no.1, pp.425-437, 2007 (Journal Indexed in SCI)
- XXIII. **On a certain class of spherical harmonic functions and singular pseudo-differential operators**  
Ekincioglu İ., Serbetci A.  
INTEGRAL TRANSFORMS AND SPECIAL FUNCTIONS, vol.18, no.1, pp.27-38, 2007 (Journal Indexed in SCI)
- XXIV. **On boundedness of the generalized B-potential integral operators in the Lorentz spaces**

- Guliyev V. S. , Serbetci A., Ekincioglu İ.  
 INTEGRAL TRANSFORMS AND SPECIAL FUNCTIONS, vol.18, no.12, pp.885-895, 2007 (Journal Indexed in SCI)
- XXV. **On weighted estimates of high-order Riesz-Bessel transformations generated by the generalized shift operator**  
 Ekincioglu İ., Serbetci A.  
 ACTA MATHEMATICA SINICA-ENGLISH SERIES, vol.21, no.1, pp.53-64, 2005 (Journal Indexed in SCI)
- XXVI. **Boundedness of Riesz potential generated by generalized shift operator on  $B_\alpha$  spaces**  
 Serbetci A., Ekincioglu İ.  
 CZECHOSLOVAK MATHEMATICAL JOURNAL, vol.54, no.3, pp.579-589, 2004 (Journal Indexed in SCI)
- XXVII. **Boundedness of high order Riesz-Bessel transformations generated by generalized shift operator on  $B_\alpha$  spaces**  
 Serbetci A., Ekincioglu İ.  
 CHINESE ANNALS OF MATHEMATICS SERIES B, vol.24, no.1, pp.65-72, 2003 (Journal Indexed in SCI)
- XXVIII. **On the boundedness of integral operators**  
 Ekincioglu İ., Ikramov I.  
 TURKISH JOURNAL OF MATHEMATICS, vol.23, pp.257-264, 1999 (Journal Indexed in SCI Expanded)
- XXIX. **On high order riesz transformations generated by a generalized shift operator**  
 Ekincioglu İ.  
 TURKISH JOURNAL OF MATHEMATICS, vol.21, pp.51-60, 1997 (Journal Indexed in SCI Expanded)

## Articles Published in Other Journals

- I. **Oscillatory integrals with variable Calderon-Zygmund kernel on generalized weighted Morrey spaces**  
 Ekincioglu İ., Umarchadzhiev S.  
 Trans. Natl. Acad. Sci. Azerb. Ser. Phys.-Tech. Math. Sci. Mathematics, , vol.42, no.1, pp.1-12, 2022 (International Refereed University Journal)
- II. **Maximal function and fractional integral associated with Laplace-Bessel differential operators on generalized Morrey spaces**  
 Akbulut A., Dziri M., Ekincioglu İ.  
 Trans. Natl. Acad. Sci. Azerb. Ser. Phys.-Tech. Math. Sci. Mathematics, vol.42, no.1, pp.1-18, 2022 (International Refereed University Journal)
- III. **Lower bounds for blow-up time in a nonlinear parabolic problem with a gradient nonlinearity**  
 Mashiyev R. A. , Ekincioglu İ.  
 JOURNAL OF ELLIPTIC AND PARABOLIC EQUATIONS, 2022 (Journal Indexed in ESCI)
- IV. **Bessel transforms of Dini-Lipschitz functions on Lebesgue spaces  $L_{p,L-\gamma}(\mathbb{R}^n)$**   
 Kaya E., Ekincioglu İ.  
 INTERNATIONAL JOURNAL OF NONLINEAR ANALYSIS AND APPLICATIONS, vol.12, no.2, pp.563-568, 2021 (Journal Indexed in ESCI)
- V. **Lipschitz estimates for rough fractional multilinear integral operators on local generalized Morrey spaces**  
 Ekincioglu İ., Keskin C., Guliyev R.  
 TBILISI MATHEMATICAL JOURNAL, vol.13, no.1, pp.47-60, 2020 (Journal Indexed in ESCI)
- VI. **FOURIER-BESSEL TRANSFORMS OF DINI-LIPSCHITZ FUNCTIONS ON LEBESGUE SPACES  $L_{p,\gamma}(\mathbb{R}^n)$**   
 Ekincioglu İ., Kaya E., Ekincioglu S. E.  
 COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.69, no.1, pp.847-853, 2020 (Journal Indexed in ESCI)
- VII.  **$B_{L^m, p, \nu}$  estimates for the Riesz transforms associated with Laplace-Bessel operator**  
 Ekincioglu İ., Keskin C., Guner S.  
 Journal of Nonlinear Sciences and Applications, vol.11, pp.832-840, 2018 (Refereed Journals of Other Institutions)

- VIII. **Application of and Control Charts to Investigate Students' Performance**  
Keskin C., Ekincioglu İ.  
Journal of Advances in Mathematics and Computer Science, vol.23, pp.1-10, 2017 (Refereed Journals of Other Institutions)
- IX. **EXISTENCE OF ONE WEAK SOLUTION FOR  $p(x)$ -BIHARMONIC EQUATIONS INVOLVING A CONCAVE-CONVEX NONLINEARITY**  
Ayazoglu (Mashiyev) R., Alisoy G., Ekincioglu İ.  
MATEMATICKI VESNIK, vol.69, no.4, pp.296-307, 2017 (Journal Indexed in ESCI)
- X. **BOUNDEDNESS OF THE ANISOTROPIC FRACTIONAL MAXIMAL OPERATOR IN ANISOTROPIC LOCAL MORREY-TYPE SPACES**  
Akbulut A., Ekincioglu İ., ŞERBETÇİ A., Tararykova T.  
EURASIAN MATHEMATICAL JOURNAL, vol.2, no.2, pp.5-30, 2011 (Journal Indexed in ESCI)

### Books & Book Chapters

- I. **MATEMATİK CİLT II- Calculus Early Transcendentals**  
Ekincioglu İ.  
Nobel Yayınevi, Ankara, 2013
- II. **Teori ve Çözümlü Problemlerle Analiz I**  
Musayev B., Ekincioglu İ., Mustafa N., Alp M.  
Tek Ağaç Eylül Kitap ve Yayınevi, Ankara, 2003
- III. **Matematik Analiz ve Analitik Geometri Problem Çözümleri**  
Ekincioglu İ.  
Palme Yayın Dağıtım, Ankara, 2002

### Refereed Congress / Symposium Publications in Proceedings

- I. **Weighted norm inequalities for  $Bn$ -maximal operators and the high order Riesz-Bessel transforms**  
Ekincioglu İ.  
8th International Conference On Recent Advances In Pure And Applied Mathematics, Muğla, Turkey, 24 - 27 September 2021, pp.1-13
- II. **B–Maximal Commutators and Commutators of Riesz Bessel transforms on B–Morrey Spaces**  
Ekincioglu İ.  
8th International Conference On Recent Advances In Pure And Applied Mathematics, , Muğla, Turkey, 24 - 27 September 2021, pp.1-14
- III. **Weighted Norm Inequalities for  $Bn$  -maximal Operators and the High Order Riesz-Bessel Transforms**  
Ekincioglu İ.  
International Conference on Operators in General Morrey-type Spaces and Applications, Kütahya, Turkey, 16 July 2019 - 20 July 2020, pp.1-15
- IV. **Characterizations for the Fractional Maximal Commutator Operator in Generalized Morrey Spaces on Carnot Group**  
Ekincioglu İ.  
International Conference on Operators in General Morrey-type Spaces and Applications, Kütahya, Turkey, 16 - 20 July 2019, pp.1-15
- V. **Fourier-Bessel Transforms Of Dini-Lipschitz Functions On Lebesgue Spaces  $L(p,\gamma) (R^{+^n})$**   
Ekincioglu İ.  
International Conference on Mathematics and Mathematics Education (ICMME-2018), Konya, Turkey, 11 - 13 July 2018, pp.1-10
- VI. **Two-Weighted Inequalities for High Order Riesz-Bessel Transforms in Weighted Lebesgue Spaces**

Ekincioğlu İ.

International Conference on Mathematics and Mathematics Education (ICMME-2018), Ordu, Turkey, 27 - 29 June 2018, pp.1-14

VII.  **$B_n$ -Maximal Operator and High Order Riesz-Bessel Transforms on variable exponent Lebesgue spaces**

Ekincioğlu İ.

International Conference o Recent Advances Pure and Applied Mathematics (ICRAPAM), İstanbul, Turkey, 12 - 15 June 2018, pp.1-12

VIII. **Kolmogorov Inequality on Variable Exponent Lebesgue Spaces**

Ekincioğlu İ.

4th International conference on recent advances in pure and applied mathematics, Muğla, Turkey, 11 - 15 May 2017, pp.1-13

IX. **Necessary and Sufficient Conditions for the Boundedness for Singular Integral Operators with in the Lorentz Spaces**

Ekincioğlu İ.

C20. 5th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA), Belgrade, Serbia, 16 - 18 August 2016, pp.1-13

X. **On the Characterizations of Variable Exponent Hardy Spaces According to Riesz Bessel Transform,**

Ekincioğlu İ.

5th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA), Prishtina, Serbia, 16 - 19 August 2016, pp.1-14

XI. **Singular Integral Operators Related to Generalized Shift Operator in Hardy Spaces.**

Ekincioğlu İ.

3rd International Eurasian Conference on Mathematical Sciences and Applications, Vienna, Austria, 25 - 28 August 2014, pp.1-12

XII. **On Boundedness of High Riesz Transform and Fractional Integral Operator Related to Bessel Generalized Shift Operator in Beppo-Levi Spaces**

Ekincioğlu İ.

3rd International Eurasian Conference on Mathematical Sciences and Applications, Vienna, Austria, 25 - 28 August 2014, pp.1-13

XIII. **On Privalov Type Estimates of High Order Riesz-Bessel Transformations Generated by a Bessel Generalized Shift Operator**

Ekincioğlu İ.

I.Uluslararası Avrasya Matematik Bilimleri ve Uygulamaları Konferansı (IECMSA), , Priştine, Kosovo, 3 - 07 September 2012, pp.1-14

XIV. **Hölder type weighted estimates for higher order Riesz-Bessel transforms related to generalized shift operator**

Ekincioğlu İ.

The International Workshop on Operators in Morrey Type Space and Applications – OMTSA, Kırşehir, Turkey, 20 - 27 May 2011, pp.1-14

XV. **The boundedness of high order Riesz-Bessel transformations generated by the generalized shift operator in weighted  $L_{p,w}$  spaces with general weights**

Ekincioğlu İ.

7th International ISAAC Congress, London, England, 13 - 18 July 2009, pp.1-13

XVI. **6th ISAAC Congress, Boundedness of rough B-fractional integral operators in Lorentz spaces**

Ekincioğlu İ.

6th ISAAC Congress, Ankara, Turkey, 13 - 17 August 2007, pp.1-15

XVII. **Necessary and Sufficient Conditions for The Boundedness of Rough B-Fractional Integral Operators in The Lorentz Spaces**

Ekincioğlu İ.

II. Ankara Matematik Günleri Sempozyumu, Ankara, Ankara, Turkey, 14 - 15 June 2007, pp.1-12

- XVIII. **On the pseudodiferential operators generated by the shift operator**  
Ekinciođlu İ.  
II. Uluslararası Kızılırmak Fen Bilimleri Kongresi, Kırıkkale, Turkey, 16 - 19 July 1998, pp.1-12
- XIX. **On High Order Riesz Transformations Generated By Generalized Shift Operator**  
Ekinciođlu İ.  
IX. Ulusal Matematik Sempozyumu, İstanbul, Turkey, 2 - 06 September 1996, pp.1-12
- XX. **Gauss-Weierstrass semigroups and inversion of Riesz-k potentials generated by the generalizrd shift operators**  
Ekinciođlu İ.  
VIIth Int. Coll. On Differential Equations, Plovdiv, Bulgaria, 26 - 29 July 1996, pp.1-14
- XXI. **The mean value theorem for Laplacean-Bessel equation**  
Ekinciođlu İ.  
VIIth Int. Coll. On Differential Equations, Plovdiv, Bulgaria, 26 - 29 July 1996, pp.1-12

## Supported Projects

- Ekinciođlu İ., TÜBİTAK International Bilateral Joint Cooperation Program Project, Standart Olmayan Fonksiyon Uzaylarda Harmonik Analiz Operatörler ve Bazı Uygulamaları, 2020 - 2023
- Ekinciođlu İ., Keskin C., Project Supported by Higher Education Institutions, Operators in General Morrey-Type Spaces and Applications (OMTSA 2019), 2019 - 2020
- Ekinciođlu İ., Project Supported by Higher Education Institutions, Ağırlıklı Lebesgue Uzaylarında Bessel Tipli Kolmogorov Eşitsizlikleri, 2018 - 2019
- Ekinciođlu İ., Project Supported by Higher Education Institutions, Bir Sınıf Dejenere Lineer Olmayan Hiperbolik Diferansiyel Operatörler için Varyasyon Eşitsizlikleri, 1998 - 1999

## Citations

Total Citations (WOS):101  
h-index (WOS):6