

Prof. İlker Eryılmaz

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2004 - 2007

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 2002 - 2004

Undergraduate, Middle East Technical University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1996 - 2001

Undergraduate, Middle East Technical University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1996 - 2001

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Bazı ölçülü fonksiyon uzayları ve özellikleri, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2007

Postgraduate, Lebesgue ve toplam Lebesgue uzaylarında ortalama ergodik teoremler, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2004

Research Areas

Functional Analysis, Fourier Analysis, Real Functions, Functions of a Complex Variable, Measure and Integration

Academic Titles / Tasks

Professor, Ondokuz Mayıs University, Fen Fakültesi, Matematik Bölümü, 2018 - Continues

Associate Professor, Ondokuz Mayıs University, Fen Fakültesi, Matematik Bölümü, 2012 - 2018

Assistant Professor, Ondokuz Mayıs University, Fen Fakültesi, Matematik Bölümü, 2009 - 2013

Research Assistant, Ondokuz Mayıs University, Fen Fakültesi, Matematik Bölümü, 2003 - 2008

Advancing Research

Eryılmaz İ., Ölçülebilir çarpım uzayları, Postgraduate, S.KİĞİLCİM(Student), 2021

İlker E., Genişletilmiş modüler grubun bazı alt gruplarının simgeleri ve graf bağlantıları, Doctorate,

A.BÜYÜKKARAGÖZ(Student), 2019

İlker E., Konveks fonksiyon sınıfları için kesirli integraller içeren eşitsizlikler, Doctorate, A.GÖZPINAR(Student), 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Sobolev Type Spaces Based on Lorentz-Karamata Spaces**
Eryılmaz İ.
FILOMAT, vol.30, no.11, pp.3023-3032, 2016 (SCI-Expanded)
- II. **Investigation of the Functional Properties and Spaces of Multipliers for Group $L(p, q)(G)$ -Algebras**
Eryılmaz İ., Duyar C.
UKRAINIAN MATHEMATICAL JOURNAL, vol.67, no.3, pp.390-407, 2015 (SCI-Expanded)
- III. **Two new classes of subalgebras of $L_1(G)$**
Eryılmaz İ.
Banach Journal of Mathematical Analysis, vol.9, no.1, pp.127-136, 2015 (SCI-Expanded)
- IV. **TWO NEW CLASSES OF SUBALGEBRAS OF $L_1(G)$**
Eryılmaz İ.
BANACH JOURNAL OF MATHEMATICAL ANALYSIS, vol.9, no.1, pp.127-136, 2015 (SCI-Expanded)
- V. **ON MULTIPLIERS OF THE GROUP $L_{p(w)}(G)$ -ALGEBRAS**
Eryılmaz İ., Duyar C.
ANALELE STIINTIFICE ALE UNIVERSITATII AL I CUZA DIN IASI-SERIE NOUA-MATEMATICA, vol.59, no.2, pp.253-268, 2013 (SCI-Expanded)
- VI. **Some aspects of Lorentz-Karamata spaces**
Eryılmaz İ.
JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, vol.14, no.7, pp.1332-1338, 2012 (SCI-Expanded)
- VII. **Multiplication operators on Lorentz-Karamata-Bochner spaces**
Eryılmaz İ.
Mathematica Slovaca, vol.62, no.2, pp.293-300, 2012 (SCI-Expanded)
- VIII. **WEIGHTED COMPOSITION OPERATORS ON WEIGHTED LORENTZ SPACES**
Eryılmaz İ.
COLLOQUIUM MATHEMATICUM, vol.128, no.2, pp.143-151, 2012 (SCI-Expanded)
- IX. **A STUDY OF FUNCTIONAL PROPERTIES OF WEIGHTED LIPSCHITZ-LORENTZ SPACES WITH THEIR COMPACT EMBEDDINGS**
Eryılmaz İ.
JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, vol.13, no.5, pp.809-821, 2011 (SCI-Expanded)
- X. **MULTIPLIERS ON SOME LORENTZ SPACES**
Eryılmaz İ., Duyar C.
ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA-SERIA MATEMATICA, vol.19, no.1, pp.93-107, 2011 (SCI-Expanded)
- XI. **ON LIPSCHITZ-LORENTZ SPACES AND THEIR ZYGMUND CLASSES**
Eryılmaz İ., Duyar C.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.39, no.2, pp.159-169, 2010 (SCI-Expanded)
- XII. **Some Aspects of $L_{w_1}(G)$ boolean AND $L(p, q, w_2) \otimes L(q, r, w_3)(G)$**
Eryılmaz İ., Duyar C.
CHINESE ANNALS OF MATHEMATICS SERIES B, vol.30, no.3, pp.311-320, 2009 (SCI-Expanded)
- XIII. **Basic properties and multipliers space on $L_1(G)$ boolean AND $L(p, q)(G)$ spaces**
Eryılmaz İ., Duyar C.
TURKISH JOURNAL OF MATHEMATICS, vol.32, no.2, pp.235-243, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **A note on the extension of ε -isometries on the unit sphere of Banach spaces**
ROHMAN M., ERYILMAZ İ.
HONAM MATHEMATICAL JOURNAL, vol.46, no.1, pp.38-46, 2024 (ESCI)
- II. **A Mean Ergodic Theorem in Bicomplex Lebesgue Spaces**
ERYILMAZ İ.
WSEAS TRANSACTIONS ON MATHEMATICS, vol.23, pp.51-59, 2024 (Scopus)
- III. **Büyük(Grand) Lorentz Uzaylarının Bazı Temel Özellikleri**
ERYILMAZ İ., IŞIK G.
Karadeniz Fen Bilimleri Dergisi, vol.13, no.4, pp.1351-1360, 2023 (Peer-Reviewed Journal)
- IV. **A MEAN ERGODIC THEOREM IN A SUBALGEBRA OF GENERALIZED WEIGHTED GRAND LEBESGUE SPACES**
ERYILMAZ İ.
Scientific Studies and Research. Series Mathematics and Informatics, vol.33, no.1, pp.75-86, 2023 (Peer-Reviewed Journal)
- V. **Neutral Caputo-Fabrizio Fractional Differential Equation with Hyers-Ulam Stability**
ROHMAN M., ERYILMAZ İ., Huda M. N.
Indonesian Journal of Mathematics and Applications, vol.1, no.2, pp.1-12, 2023 (Peer-Reviewed Journal)
- VI. **A NOTE ON WEAK STABILITY OF ε -SOMETRIES ON CERTAIN BANACH SPACES**
Rohman M., Eryılmaz İ.
JOURNAL OF SCIENCE AND ARTS, no.2, pp.413-420, 2023 (ESCI)
- VII. **Banach Function Space Property of A New Type of Grand Lorentz Spaces**
Eryılmaz İ., Isik G.
WSEAS Transactions on Mathematics, vol.22, pp.348-353, 2023 (Scopus)
- VIII. **Some Basic Results in v -Normed Spaces**
ROHMAN M., ERYILMAZ İ.
Indonesian Journal of Mathematics and Applications, vol.1, no.1, pp.1-8, 2023 (Peer-Reviewed Journal)
- IX. **Multiplication Operators on Weighted Grand Lorentz Spaces with Various Properties**
Eryılmaz İ.
WSEAS Transactions on Mathematics, vol.22, pp.271-278, 2023 (Scopus)
- X. **Some notes on the greedy basis for Banach spaces under ε -isometry**
ROHMAN M., ERYILMAZ İ.
International Journal of Nonlinear Analysis and Applications, vol.14, no.1, pp.1881-1889, 2023 (Peer-Reviewed Journal)
- XI. **Weak stability of ε -isometry Mapping on Real Banach Spaces**
ROHMAN M., ERYILMAZ İ.
Avrupa Bilim ve Teknoloji Dergisi, vol.34, pp.110-114, 2022 (Peer-Reviewed Journal)
- XII. **Multiplication Operators On Grand Lorentz Spaces**
IŞIK G., ERYILMAZ İ.
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.35, no.1, pp.42-51, 2019 (Peer-Reviewed Journal)
- XIII. **Composition Operators On Lebesgue Spaces**
DEĞİRMEN İ., ERYILMAZ M. İ.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.12, no.2, pp.533-542, 2019 (Peer-Reviewed Journal)
- XIV. **Weighted Lorentz-Karamata spaces and their compact Embeddings**
Eryılmaz İ.
International Journal of Mathematical Analysis, vol.9, no.57-58, pp.2857-2869, 2015 (Scopus)
- XV. **Some properties of Sobolev algebras modelled on Lorentz spaces**
Eryılmaz İ., Sağır Duyar B.
STUDIA UNIVERSITATIS BABES-BOLYAI MATHEMATICA, vol.59, no.1, pp.83-91, 2014 (ESCI)
- XVI. **Weighted composition operators on weighted Lorentz-Karamata spaces**

- Eryılmaz İ.
STUDIA UNIVERSITATIS BABES-BOLYAI MATHEMATICA, no.1, pp.111-119, 2012 (ESCI)
- XVII. **On $A(p,q)(lip) (G)$ spaces**
Eryılmaz İ., Duyar C.
STUDIA UNIVERSITATIS BABES-BOLYAI MATHEMATICA, vol.56, no.1, pp.43-50, 2011 (ESCI)
- XVIII. **On Alipp q G spaces**
ERYILMAZ İ., DUYAR C.
Studia Universitatis Babes-Bolyai Mathematica, vol.56, no.1, 2011 (Peer-Reviewed Journal)
- XIX. **On $L^{1w}(G) \cap L(p, q)(G)$ spaces**
Eryılmaz İ., Duyar C.
International Journal of Mathematical Analysis, vol.4, no.17-20, pp.819-826, 2010 (Scopus)
- XX. **On $\{L^{1w}(G) \cap L(p,q)(G)\}$ spaces**
Eryılmaz İ., Duyar C.
INTERNATIONAL JOURNAL OF MATHEMATICAL ANALYSIS, vol.4, no.17-20, pp.819-826, 2010 (Peer-Reviewed Journal)
- XXI. **Basic properties and multipliers space on $L^1(G) \cap L(p,q)(G)$ spaces**
Eryılmaz İ., Duyar C.
Turkish Journal of Mathematics, vol.32, no.2, pp.235-243, 2008 (Scopus)

Books & Book Chapters

- I. **Newtonian Olmayan Cisimler Üzerinde Tanımlı Lineer Uzayların Bazı Özellikleri**
IŞIK G., ERYILMAZ İ.
in: Fen Bilimlerinde Özgün Disiplinlerarası Araştırmalar, KAYA, Nergis, Editor, SRA Academic Publishing, Klaipeda, pp.139-176, 2023
- II. **Exploring Bicomplex Lebesgue Spaces: Properties and Significance**
ERYILMAZ İ.
in: Explorations in Mathematical Analysis: A Collection of Diverse Papers, Eryılmaz, İlker, Editor, BIDGE Publications, Ankara, pp.47-74, 2023

Refereed Congress / Symposium Publications in Proceedings

- I. **BC-Lambert Multipliers on BC-Lebesgue Spaces**
ERYILMAZ İ.
4th International Conference on Innovative Academic Studies, Konya, Turkey, 12 - 13 March 2024, pp.854-864
- II. **Exploring Non-Newtonian Hilbert Spaces**
ERYILMAZ İ.
2nd International Conference on Frontiers in Academic Research, Konya, Turkey, 4 - 05 December 2023, vol.1, pp.202-208
- III. **e-isometry Mapping between Real Banach Spaces with Basis**
ROHMAN M., ERYILMAZ İ.
2nd International Conference on Frontiers in Academic Research, Konya, Turkey, 04 December 2023, vol.1, pp.169-174
- IV. **SOME CONDITIONS OF UNCONDITIONAL BASIS FOR REAL BANACH SPACES UNDER EPSILON ISOMETRIES**
ROHMAN M., ERYILMAZ İ.
2. International Black Sea Modern Scientific Research Congress, Rize, Turkey, 21 - 22 December 2022
- V. **Weak stability of e-isometry Mapping on Real Banach Spaces**
ERYILMAZ İ., ROHMAN M.

2nd International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 10 March 2022

VI. Multiplication Operators On Grand Lorentz Spaces

İŞİK G., ERYILMAZ İ.

International Conference on Mathematics and Mathematics Education, 27 - 29 June 2018

Supported Projects

Eryılmaz İ., Project Supported by Higher Education Institutions, Investigation of the Functional Properties and Spaces of Multipliers for Group $L(p, q)(G)$ -Algebras, 2016 - 2023