

Asst. Prof. Elif DEMİR

Personal Information

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International Researcher IDs

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ScopusID: 55616662000

Yoksis Researcher ID: 179210

Education Information

Doctorate, Yıldız Technical University, Fen Edebiyat Fakültesi, Matematik, Turkey 2006 - 2012

Postgraduate, Yıldız Technical University, Fen Edebiyat Fakültesi, Matematik, Turkey 2004 - 2006

Undergraduate, Yıldız Technical University, Fen Edebiyat Fakültesi, Matematik, Turkey 2000 - 2004

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Sesquitransitive and Localizing Operator Algebras On Banach Spaces, Yıldız Technical University, Faculty of Arts & Science, Department of Mathematics, 2012

Postgraduate, On Invariant Subspace Problem in Banach Spaces and Banach Lattices, Yıldız Technical University, Faculty of Arts & Science, Department of Mathematics, 2006

Research Areas

Mathematics, Functional Analysis, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Yıldız Technical University, Faculty Of Arts & Science, Department Of Mathematics, 2014 - Continues

Research Assistant, Yıldız Technical University, Faculty Of Arts & Science, Department Of Mathematics, 2005 - 2014

Academic and Administrative Experience

Deputy Head of Department, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 2023 - Continues
Bölüm Tanıtım ve Mezunlarla İlişkiler Komisyonu Başkanı, Yildiz Technical University, Faculty of Arts & Science, Department of Mathemeatics, 2018 - Continues

Courses

Real Analysis, Postgraduate, 2021 - 2022
Infinite Dimensional Analysis, Postgraduate, 2020 - 2021
Linear Operators 1, Postgraduate, 2017 - 2018
Mathematical Analysis 4, Undergraduate, 2017 - 2018
Mathematics 2, Undergraduate, 2016 - 2017
Mathematical Analysis 3, Undergraduate, 2017 - 2018
Differential Equations, Undergraduate, 2016 - 2017

Advising Theses

Demir E., ON SIR MODELS WITH FRACTIONAL DERIVATIVES , Postgraduate, C.VURAL(Student), Continues
Demir E., Unbounded convergence structure properties in riesz spaces, Postgraduate, E.AYDOĞAN(Student), 2023
Demir E., Bazı uzaylardaki operatörlerin sayısal bölgeleri, Postgraduate, B.ŞERAN(Student), 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **On 2-absorbing z-filters**
Bilgin Z., Demir E., Oral H. K.
BULLETIN MATHEMATIQUE DE LA SOCIETE DES SCIENCES MATHEMATIQUES DE ROUMANIE, vol.61, no.2, pp.147-155, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **An SIR Model of Influenza with the Effects of Treatment and Vaccination**
Demir E., Vural C.
Journal of mathematical sciences and modelling (Online), vol.7, no.2, pp.51-59, 2024 (Peer-Reviewed Journal)
- II. **On Unbounded Convergence Properties in $C_p(X, [0, 1])$**
Demir E.
International Mathematical Forum, vol.19, no.1, pp.1-7, 2024 (Peer-Reviewed Journal)
- III. **On Unbounded Order Convergence of Operator Nets**
Demir E., Aydoğan E.
International Mathematical Forum, vol.18, no.2, pp.83-88, 2023 (Peer-Reviewed Journal)
- IV. **On unbounded order weakly demicompact operators**
Gök Ö., Demir E.
International Mathematical Forum, vol.17, no.2, pp.61-66, 2022 (Peer-Reviewed Journal)
- V. **On strictly transitive operator algebras**
Demir E.
International Journal of Mathematical Analysis, vol.6, no.45-48, pp.2257-2264, 2012 (Scopus)
- VI. **On Transitive and Quasi-Localizing Operator Algebras**
Demir E.
International Journal of Contemporary Mathematical Sciences, vol.7, no.21, pp.1043-1050, 2011 (Peer-Reviewed)

Journal)

VII. On Transitive and Localizing Operator Algebras

Gök Ö., Demir E.

International Mathematical Forum, vol.6, no.57, pp.2955-2962, 2011 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **A Model of Covid-19 Dynamics Effected by Vaccination**
Demir E., Vural C.
Mathematical Modeling with Modern Applications M3A_24, İstanbul, Turkey, 4 - 06 June 2024
- II. **Dynamics of influenza with the rates of vaccination and treatment**
Vural C., Demir E.
Algebraic and geometric methods of analysis (AGMA), Kyiv, Ukraine, 27 - 30 May 2024, pp.128
- III. **COVID-19 DYNAMICS THAT CHANGES WITH THE USAGE OF MASK**
Demir E., Vural C.
İZMİR MATHEMATICS DAYS - V, İstanbul, Turkey, 27 September - 29 December 2023, pp.39
- IV. **Unbounded Convergence in $C_p(X, [0, 1])$**
Demir E.
2nd International E-Conference on Mathematical and Statistical Science: A Selcuk Meeting, Konya, Turkey, 5 - 07 June 2023, pp.82
- V. **Unbounded Order Convergence Properties of Operator Nets**
Demir E., Aydoğan E.
2nd International E-Conference on Mathematical and Statistical Science: A Selcuk Meeting, 5 - 07 June 2023, pp.49
- VI. **ON SIR MODELS WITH FRACTIONAL DERIVATIVES**
Demir E., Vural C.
2ND INTERNATIONAL E CONFERENCE ON MATHEMATICAL AND STATISTICAL SCIENCES: A SELCUK MEETING, Konya, Turkey, 5 - 07 June 2023, pp.222
- VII. **Numerical Ranges of Operators on Some Spaces**
Demir E., Şeran B.
8th International IFS and Contemporary Mathematics Conference, İstanbul, Turkey, 16 - 19 June 2022, pp.102
- VIII. **Unbounded Convergence Structure Properties in Riesz Spaces**
Demir E., Aydoğan E.
5th International Online Conference on Mathematics, İstanbul, Turkey, 1 - 03 December 2021, pp.136
- IX. **Transitive Operator Algebras and Hyperinvariant Subspaces**
DEMİR E.
13th Algebraic Hyperstructures and its Applications Conference, İstanbul, Turkey, 24 July 2017, pp.50-51
- X. **Z-süzgeçlerin Bir Karakterizasyonu**
Bilgin Z., DEMİR E.
11. Ankara Matematik Günleri, 01 May 2016
- XI. **On Duals of Strictly Transitive Operator Algebras on Banach Spaces**
DEMİR E., ALBAYRAK P.
International Conference on Applied Analysis and Mathematical Modelling (ICAAMM 2015), İstanbul, Turkey, 8 - 12 June 2015
- XII. **On Transitive Operator Algebras**
Demir E.
International Conference On Applied Analysis and Algebra, 01 July 2011

Supported Projects

DEMİR E., Vural C., Project Supported by Higher Education Institutions, On SIR Models With Fractional Derivatives, 2023 - 2024

ÇELİK KARAASLANLI C., DEVELİ F., Değerli K., DEMİR E., Project Supported by Higher Education Institutions, Kesirli Diferansiyel Denklemler için Varlık Teklik Kararlılık ve Hopf Çatallanma Analizi, 2023 - 2024

DEMİR E., Aydoğan E., Project Supported by Higher Education Institutions, Unbounded Convergence Structure Properties in Riesz Spaces, 2022 - 2023

Metrics

Publication: 20

Citation (WoS): 2

Citation (Scopus): 3

H-Index (WoS): 1

H-Index (Scopus): 1

Scholarships

Yurt İçi Lisansüstü Burs Programı, TUBİTAK, 2005 - 2010

Non Academic Experience

Pertevniyal Eğitim Vakfı Dersanesi