

Asst. Prof. NAZİFE ERKURŞUN ÖZCAN

Personal Information

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Address: Hacettepe Üniversitesi Matematik Bölümü No:231 Beytepe Ankara

Education Information

Doctorate, Orta Doğu Teknik Üniversitesi, Fen Fakültesi, Matematik, Turkey 2006 - 2010

Postgraduate, Orta Doğu Teknik Üniversitesi, Fen Fakültesi, Matematik, Turkey 2002 - 2006

Undergraduate, Dokuz Eylül Üniversitesi, Buca Eğitim Fakültesi, Matematik Öğretmenliği, Turkey 1997 - 2001

Foreign Languages

German, B2 Upper Intermediate

English, C1 Advanced

Dissertations

Doctorate, Convergence of Lotz-Rabiger Nets on Banach Spaces, Orta Doğu Teknik Üniversitesi, Risk Analizi A.B.D., Matematik (Dr), 2010

Postgraduate, Basis in nuclear Fréchet spaces, Orta Doğu Teknik Üniversitesi, Risk Analizi A.B.D., Matematik (YI) (Tezli), 2006

Research Areas

Mathematics, Dynamic Systems and Ergodic Theory, Functional Analysis, Operators, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Hacettepe Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2018 - Continues

Assistant Professor, Hacettepe Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2014 - 2018

Research Assistant, Selçuk Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2010 - 2014

Research Assistant, Orta Doğu Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Restoratif Diş Tedavisi A.B.D., 2002 - 2010

Academic and Administrative Experience

Hacettepe Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2014 - Continues

Courses

Uygulamalı Fonksiyonel Analiz, Postgraduate, 2020 - 2021
Spektral Teori, Doctorate, 2020 - 2021
Kompleks Fonksiyonlar Teorisi, Undergraduate, 2020 - 2021
Fonksiyonel Analiz, Postgraduate, 2020 - 2021
Ergodik Teori, Postgraduate, 2017 - 2018
BİLGİSAYAR DESTEK.MATE.PRO.I, Undergraduate, 2016 - 2017, 2017 - 2018
Fonksiyonel Analiz, Undergraduate, 2016 - 2017, 2017 - 2018
Gerçel Analiz, Postgraduate, 2017 - 2018
Kompleks Analiz, Undergraduate, 2017 - 2018
ÇALIŞMA METODLARI I, Undergraduate, 2016 - 2017, 2017 - 2018
Analiz III, Undergraduate, 2017 - 2018
Analiz III, Matematik Bölümü, Undergraduate, 2016 - 2017
Analiz III, İlköğretim Matematik Öğretmenliği, Undergraduate, 2016 - 2017
Operatör Yarıgrupları ve Ergodik Teoriye Giriş, Postgraduate, 2016 - 2017
Analiz I, Matematik Bölümü, Undergraduate, 2016 - 2017

Advising Theses

Erkursun Özcan N., Some results on operator theory based on unbounded convergence , Doctorate, N.ANIL(Student), 2020
Erkursun Özcan N., Order compact and unbounded order compact operators on Riesz spaces, Postgraduate, Ş.Ece(Student), 2020
ERKURŞUN ÖZCAN N., ERKURŞUN ÖZCAN N., Sıralı Banach uzayları üzerinde tanımlı homojen Markov zincirlerinin Cesaro ortalamalarının pertürbasyon sınırları, Postgraduate, F.ÖZBAY(Student), 2017

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

- I. **SPECTRAL CONDITIONS FOR UNIFORM P-ERGODICITIES OF MARKOV OPERATORS ON ABSTRACT STATES SPACES**
ERKURŞUN ÖZCAN N., Mukhamedov F.
GLASGOW MATHEMATICAL JOURNAL, vol.63, no.3, pp.682-696, 2021 (Journal Indexed in SCI)
- II. **Order compact and unbounded order compact operators**
ERKURŞUN ÖZCAN N., GEZER N. A. , Ozdemir S. E. , Urganci I. M.
TURKISH JOURNAL OF MATHEMATICS, vol.45, no.2, pp.634-646, 2021 (Journal Indexed in SCI)
- III. **Stability Estimates of Markov Semigroups on Abstract States Spaces**
ERKURŞUN ÖZCAN N., Mukhamedov F.
MEDITERRANEAN JOURNAL OF MATHEMATICS, vol.17, no.2, 2020 (Journal Indexed in SCI)
- IV. **Unbounded asymptotic equivalences of operator nets with applications**
ERKURŞUN ÖZCAN N., Gezer N. A.
POSITIVITY, vol.23, no.4, pp.829-851, 2019 (Journal Indexed in SCI)
- V. **Unbounded absolutely weak Dunford-Pettis operators**
ERKURŞUN ÖZCAN N., Gezer N. A. , Zabeti O.
TURKISH JOURNAL OF MATHEMATICS, vol.43, no.6, pp.2731-2740, 2019 (Journal Indexed in SCI)
- VI. **ON ERGODIC PROPERTIES OF OPERATOR NETS ON THE PREDUAL OF VON NEUMANN ALGEBRAS**
Ozcan N.
STUDIA SCIENTIARUM MATHEMATICARUM HUNGARICA, vol.55, no.4, pp.479-486, 2018 (Journal Indexed in SCI)
- VII. **Komls properties in Banach lattices**
Emelyanov E. Y. , Erkursun-Ozcan N., Gorokhova S. G.
ACTA MATHEMATICA HUNGARICA, vol.155, no.2, pp.324-331, 2018 (Journal Indexed in SCI)

- VIII. **Asymptotic behavior of operator sequences on KB-spaces**
 ERKURŞUN ÖZCAN N.
 POSITIVITY, vol.22, no.3, pp.803-814, 2018 (Journal Indexed in SCI)
- IX. **Compact-like operators in lattice-nonmed. spaces**
 Aydin A., Emelyanov E. Y. , Ozcan N., Marabeh M. A. A.
 INDAGATIONES MATHEMATICAE-NEW SERIES, vol.29, no.2, pp.633-656, 2018 (Journal Indexed in SCI)
- X. **Uniform ergodicities and perturbation bounds of Markov chains on base norm spaces**
 ERKURŞUN ÖZCAN N., Mukhamedov F.
 QUAESTIONES MATHEMATICAE, vol.41, no.6, pp.863-876, 2018 (Journal Indexed in SCI)
- XI. **On quasi-compact Markov nets**
 BARTOSZEK W., Erkursun N.
 ERGODIC THEORY AND DYNAMICAL SYSTEMS, vol.31, pp.1081-1094, 2011 (Journal Indexed in SCI)
- XII. **Lotz-Rabiger's nets of Markov operators in L-1-spaces**
 Emel'yanov E., Erkursun N.
 JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.371, no.2, pp.777-783, 2010 (Journal Indexed in SCI)
- XIII. **An extension of Sine's counterexample**
 Emel'yanov E. Y. , Erkursun N.
 POSITIVITY, vol.13, no.1, pp.125-127, 2009 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **SPACES OF u tau-DUNFORD-PETTIS AND u tau-COMPACT OPERATORS ON LOCALLY SOLID VECTOR LATTICES**
 ERKURŞUN ÖZCAN N., Gezer N. A. , Zabeti O.
 MATEMATICKI VESNIK, vol.71, no.4, pp.351-358, 2019 (Journal Indexed in ESCI)
- II. **ON THE NUMERICAL RANGE WITH RESPECT TO A FAMILY OF PROJECTIONS**
 Dada W., Kerner J., ERKURŞUN ÖZCAN N.
 METHODS OF FUNCTIONAL ANALYSIS AND TOPOLOGY, vol.24, no.4, pp.297-304, 2018 (Journal Indexed in ESCI)
- III. **STABILITY AND LOWER-BOUND FUNCTIONS OF C-0-MARKOV SEMIGROUPS ON KB-SPACES**
 Ozcan N.
 COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.67, no.1, pp.260-265, 2018 (Journal Indexed in ESCI)
- IV. **Asymptotically absorbing nets of positive operators**
 Emel'yanov E. Y. , Erkursun N.
 Siberian Advances in Mathematics, vol.22, no.4, pp.243-260, 2012 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Uniform ergodicities and perturbation bounds of Markov chains on ordered Banach spaces**
 Ozcan N., Mukhamedov F.
 37th International Conference on Quantum Probability and Related Topics (QP), Kuantan, Malaysia, 22 - 26 August 2016, vol.819
- II. **Quasi-compactness and Uniform Convergence of Markov Operator Nets on KB-spaces**
 Ozcan N.
 7th Positivity Conference, Leiden, Netherlands, 22 - 26 July 2013, pp.171-178

Supported Projects

ERKURŞUN ÖZCAN N., Project Supported by Higher Education Institutions, Ergodik teoremlerinin ve martingale yaklaşım teoremlerinin birleştirilmesi-Kakutani Problem, 2015 - 2017

ERKURŞUN ÖZCAN N., Project Supported by Higher Education Institutions, KB-uzayları üzerinde tanımlı Markov operatörlerinin atraktörleri, 2015 - 2016

ERKURŞUN ÖZCAN N., Project Supported by Higher Education Institutions, Bazı olan sıralı Banach uzayları üzerinde tanımlı Markov LR-netlerin ergodik özellikleri, 2015 - 2015

Citations

Total Citations (WOS):30

h-index (WOS):3