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International Researcher IDs

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2007 - 2011

Postgraduate, Anadolu University, Institute Of Science, Uygulamalı Matematik (YI) (Tezli), Turkey 2004 - 2007

Undergraduate, Anadolu University, Faculty Of Science, Department Of Mathematics, Turkey 1999 - 2004

Dissertations

Doctorate, Bazı İntegral Tipli Lineer Pozitif Operatör Dizilerinin q -Genelleşmelerinin Yaklaşım Özellikleri, Gazi University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2011

Research Areas

Mathematics

Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Matematik, 2022 - Continues

Associate Professor, Gazi University, Fen Fakültesi, Matematik, 2014 - 2022

Research Assistant, Gazi University, Fen Fakültesi, Matematik, 2005 - 2014

Advising Theses

ÖRKÜ M., Some Results For Max-Product Operators, Postgraduate, F.Büşra(Student), 2021

ÖRKÜ M., Investigation Of The Approximation Properties Of Modified Szasz- Mirakyan Operators, Postgraduate,

E.ERDALOĞLU(Student), 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Estimation of the incidence of inefficiency using bootstrap and Bayesian estimators**
Unsal M. G., Friesner D., Rosenman R. E., ÖRKÜ M.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, 2024 (SCI-Expanded)
- II. **A minimax approach for selecting the overall and stage-level most efficient unit in two stage production processes**
Ozsoy V. S., ÖRKÜ M., ÖRKÜ H. H.
ANNALS OF OPERATIONS RESEARCH, vol.300, no.1, pp.137-169, 2021 (SCI-Expanded)
- III. **A simplistic approach without epsilon to choose the most efficient unit in data envelopment analysis**
Ozsoy V. S., ÖRKÜ H. H., ÖRKÜ M.
EXPERT SYSTEMS WITH APPLICATIONS, vol.168, 2021 (SCI-Expanded)
- IV. **An optimistic-pessimistic DEA model based on game cross efficiency approach**
ÖRKÜ M., Ozsoy V. S., ÖRKÜ H. H.
RAIRO-OPERATIONS RESEARCH, vol.54, no.4, pp.1215-1230, 2020 (SCI-Expanded)
- V. **A neutral cross efficiency approach for basic two stage production systems**
ÖRKÜ H. H., Ozsoy V. S., ÖRKÜ M., BAL H.
EXPERT SYSTEMS WITH APPLICATIONS, vol.125, pp.333-344, 2019 (SCI-Expanded)
- VI. **Approximation Properties of King Type -Bernstein Operators**
Dalmanoglu O., ÖRKÜ M.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.43, pp.249-254, 2019 (SCI-Expanded)
- VII. **A new approach based on regression analysis and mathematical programming to multi-group classification problems**
DOĞAN M. İ., Orman A., ÖRKÜ M., ÖRKÜ H. H.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, no.4, pp.1939-1955, 2019 (SCI-Expanded)
- VIII. **ON CONVERGENCE PROPERTIES OF GAMMA-STANCU OPERATORS BASED ON q-INTEGERS**
Dalmanoglu O., ÖRKÜ M.
MATHEMATICAL INEQUALITIES & APPLICATIONS, vol.19, no.4, pp.1335-1348, 2016 (SCI-Expanded)
- IX. **APPROXIMATION PROPERTIES OF STANCU TYPE MEYER- KONIG AND ZELLER OPERATORS**
Orkcu M.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.42, no.2, pp.139-148, 2013 (SCI-Expanded)
- X. **q-Szasz-Mirakyan-Kantorovich Operators of Functions of Two Variables in Polynomial Weighted Spaces**
Orkcu M.
ABSTRACT AND APPLIED ANALYSIS, 2013 (SCI-Expanded)
- XI. **Approximation properties of bivariate extension of q-Szasz-Mirakjan-Kantorovich operators**
Orkcu M.
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2013 (SCI-Expanded)
- XII. **Statistical approximation of a kind of Kantorovich type q-Szasz-Mirakjan operators**
ÖRKÜ M., DOĞRU O.
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, vol.75, no.5, pp.2874-2882, 2012 (SCI-Expanded)
- XIII. **q-Szasz-Mirakyan-Kantorovich type operators preserving some test functions**
ÖRKÜ M., DOĞRU O.
APPLIED MATHEMATICS LETTERS, vol.24, no.9, pp.1588-1593, 2011 (SCI-Expanded)
- XIV. **Weighted statistical approximation by kantorovich type q-Szasz-Mirakjan operators**
ÖRKÜ M., DOĞRU O.
APPLIED MATHEMATICS AND COMPUTATION, vol.217, no.20, pp.7913-7919, 2011 (SCI-Expanded)
- XV. **Statistical approximation by a modification of q-Meyer-Konig and Zeller operators**
Dogru O., ÖRKÜ M.
APPLIED MATHEMATICS LETTERS, vol.23, no.3, pp.261-266, 2010 (SCI-Expanded)
- XVI. **King type modification of Meyer-Konig and Zeller operators based on the q-integers**

Dogru O., ÖRKÜ M.

MATHEMATICAL AND COMPUTER MODELLING, vol.50, pp.1245-1251, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **Approximation by truncated Lupaş operators of max-product kind**
Örkcü M., Dalmanoğlu Ö., Hatipoğlu F. B.
Communications Faculty of Sciences University of Ankara Series A1 Mathematics and Statistics, vol.70, no.2, pp.924-939, 2021 (ESCI)
- II. **On the Chlodowsky variant of Jakimovski-Leviatan-Paltanea Operators**
Dalmanoglu O., ÖRKÜ M.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.34, no.3, pp.821-833, 2021 (ESCI)
- III. **The most efficient supplier selection with mixed-integer two-stage data envelopment analysis model**
Ozsoy V. S., ÖRKÜ M., Orkcu H. H.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.26, no.4, pp.758-767, 2020 (ESCI)
- IV. **Some approximation properties of the generalized Baskakov operators**
Patel P., Mishra V. N., ÖRKÜ M.
JOURNAL OF INTERDISCIPLINARY MATHEMATICS, vol.21, no.3, pp.611-622, 2018 (ESCI)
- V. **Shape Preserving Properties of the Generalized Baskakov Operators**
ÖRKÜ M., Patel P., Mishra V. N.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.29, no.1, pp.87-94, 2016 (ESCI)
- VI. **Approximation properties of modified Szász Mirakyan operators in polynomial weighted space**
Prashantkumar P., Vishnu Narayan M., ÖRKÜ M.
Cogent Mathematics, vol.2, no.1, pp.1-10, 2015 (ESCI)
- VII. **A Hybrid Applied Optimization Algorithm for Training Multi Layer Neural Networks in the Data Classification**
ÖRKÜ H. H., DOĞAN M. İ., ÖRKÜ M.
Gazi University Journal of Science, vol.28, no.1, pp.115-132, 2015 (Scopus)
- VIII. **Data Envelopment Analysis Cross Efficiency Evaluation Approach to the Technology Selection**
ÖRKÜ H. H., ÖRKÜ M.
Gazi University Journal of Science Part A: Engineering and Innovation, vol.3, no.1, pp.1-14, 2015 (Peer-Reviewed Journal)
- IX. **Approximation properties of modified Szász-Mirakyan operators in polynomial weighted space**
Patel P., Mishra V. N., ÖRKÜ M.
COGENT MATHEMATICS, vol.2, 2015 (ESCI)
- X. **A Hybrid Applied Optimization Algorithm for Training Multi-Layer Neural Networks in Data Classification**
ÖRKÜ H. H., Dogan M. İ., ÖRKÜ M.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.28, no.1, pp.115-132, 2015 (ESCI)

Books & Book Chapters

- I. **Blending Tip Lupaş Operatörlerinin Genellemeleri**
Örkcü M., Erdaloğlu E., Dalmanoğlu Ö.
in: Geleceğin Dünyasında Bilimsel ve Mesleki Çalışmalar 2019 Matematik ve Fen Bilimleri, Cem Cüneyt Ersanlı, Ayhan Erciyes, Canan Başlak, Editor, Ekin Yayınevi, Bursa, pp.102-130, 2019
- II. **ÇOK GRUPLU SINIFLANDIRMA PROBLEMLERİ İÇİN MATEMATİKSEL PROGRAMLAMA YAKLAŞIMLARI**
ÖRKÜ M., ÖRKÜ H. H.

in: ACADEMIC STUDIESIN MATHEMATICS AND NATURAL SCIENCES-2019/2, Prof. Dr. Rıdvan KARAPINAR, Editor, IVPE, pp.66-80, 2019

III. **VERİ ZARFLAMA ANALİZİNDE İYİMSER VE KÖTÜMSER KARAR TEORİLERİNEDAYANAN YENİ BİR YAKLAŞIM**

ÖRKÜ M., ÖRKÜ H. H.

in: GELECEĞİN DÜNYASINDA BİLİMSEL VE MESLEKİ ÇALIŞMALAR2019MATEMATİK VE FEN BİLİMLERİ, PROF. DR. CEM CÜNEYT ERSANLIDOÇ. DR. AYHAN ERCİYESDR. CANAN BAŞLAK, Editor, Ekin Yayınevi, Ankara, pp.68-82, 2019

Refereed Congress / Symposium Publications in Proceedings

I. **İki Değişkenli Cheney Sharma Operatörleri**

Örkcü M., Kağızman M.

Ankara Matematik Günleri 2024, Ankara, Turkey, 23 - 24 May 2024, pp.21

II. **FEN FAKÜLTESİ MATEMATİK BÖLÜMÜ ÖĞRENCİLERİNİN BAZI TEMEL ANALİZ DERSİ KAZANIMLARININ İNCELENMESİ....**

Tarcan Z., Örkcü M.

I. Gazi Öğrenci Projeleri Kongresi ve Bilim Şenliği, Ankara, Turkey, 13 May 2024, pp.94

III. **Cross Efficiency Model in Network Data Envelopment Analysis Models**

ÖRKÜ H. H., ÖZSOY V. S., ÖRKÜ M.

6th International Symposium on Academic Studies in Science, Engineering and Architecture Sciences, 13 - 15 June 2019

IV. **Approximation Properties of King Type p q Bernstein Operators**

DALMANOĞLU Ö., ÖRKÜ M.

International Conference on Analysis and Its Applications, 12 - 15 July 2016

V. **Genelleştirilmiş İki Değişkenli Baskakov Operatör Dizisinin Düzgün Yakınsaklığı**

Sarıteke Z. E., DOĞRU O., ÖRKÜ M.

11. Matematik Günleri, Turkey, 26 - 27 May 2016

VI. **On Convergence Properties of Gamma Stancu Operators Based on q integers**

DALMANOĞLU Ö., ÖRKÜ M.

Mathematical Inequalities and Applications2015, 11 - 15 November 2015

VII. **Szasz-Mirakyan- Kantorovich operatör dizilerinin q genelleşmesi**

DOĞRU O., ÖRKÜ M.

5. Ankara Matematik Günleri, Turkey, 3 - 04 June 2010

Metrics

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