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Publons / Web Of Science ResearcherID: AIE-5068-2022

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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. **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)
- II. **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)
- III. **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)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **APPROXIMATION PROPERTIES OF STANCU TYPE MEYER- KONIG AND ZELLER OPERATORS**
Orkcü M.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.42, no.2, pp.139-148, 2013 (SCI-Expanded)
- IX. **q-Szasz-Mirakyan-Kantorovich Operators of Functions of Two Variables in Polynomial Weighted Spaces**
Orkcü M.
ABSTRACT AND APPLIED ANALYSIS, 2013 (SCI-Expanded)
- X. **Approximation properties of bivariate extension of q-Szasz-Mirakjan-Kantorovich operators**
Orkcü M.
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2013 (SCI-Expanded)
- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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**
Örkü 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., Orku 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 Szasz-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**
Örkü 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 STUDIES IN MATHEMATICS AND NATURAL SCIENCES-2019/2, Prof. Dr. Rıdvan KARAPINAR, Editor, IVPE, pp.66-80, 2019
- III. **VERİ ZARFLAMA ANALİZİNDE İYİMSER VE KÖTÜMSER KARAR TEORİLERİNE DAYANAN YENİ BİR YAKLAŞIM**

ÖRKÜ M., ÖRKÜ H. H.

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

Refereed Congress / Symposium Publications in Proceedings

I. 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

II. Approximation Properties of King Type p q Bernstein Operators

DALMANOĞLU Ö., ÖRKÜ M.

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

III. Genelleştirilmiş İki Değişkenli Baskakov Operatör Dizisinin Düzgün Yakınsaklığı

Sarıteke Z. E., DOĞRU O., ÖRKÜ M.

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

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

DALMANOĞLU Ö., ÖRKÜ M.

Mathematical Inequalities and Applications 2015, 11 - 15 November 2015

V. Szasz-Mirakyan- Kantorovich operatör dizilerinin q genelleşmesi

DOĞRU O., ÖRKÜ M.

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

Metrics

Publication: 33

Citation (WoS): 165

Citation (Scopus): 179

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H-Index (Scopus): 8