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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), Türkiye 1999 - 2005

Yüksek Lisans, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Türkiye 1996 - 1999

Lisans, Ankara Üniversitesi, Fen Fakültesi, Matematik Bölümü, Türkiye 1991 - 1995

Araştırma Alanları

Matematik, Temel Bilimler

Akademik Unvanlar / Görevler

Prof. Dr., Gazi Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2017 - Devam Ediyor

Doç. Dr., Gazi Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2010 - 2017

Araştırmacı, University of Central Florida, Department of Mathematics, 2015 - 2015

Yrd. Doç. Dr., Gazi Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2007 - 2010

Yrd. Doç. Dr., Çanakkale Onsekiz Mart Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2006 - 2007

Araştırma Görevlisi, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), 1996 - 2005

Yönetilen Tezler

Erkus-Duman E., Bazı özel fonksiyonların q- analogları, Yüksek Lisans, Y.AVCI(Öğrenci), 2019

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Erkus-Duman E., Geniřletilmiř Lineer Doğurucu Fonksiyonlar, Yüksek Lisans, E.ÇİMEN(Öğrenci), 2012
Erkus-Duman E., Kesirli Türevlerin Hipergeometrik Fonksiyonlara Uygulamaları, Yüksek Lisans, B.ÜNAL(Öğrenci), 2011
Erkus-Duman E., Özel Fonksiyonların Bazı Özellikleri, Yüksek Lisans, T.MERCAN(Öğrenci), 2009

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A new family of two-variable polynomials based on hermite polynomials**
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MATHEMATICA SLOVACA, cilt.72, sa.4, ss.885-898, 2022 (SCI-Expanded)
- II. **Gottlieb Polynomials and Their q-Extensions**
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- IV. **SOME NEW PROPERTIES OF UNIVARIATE AND MULTIVARIATE GOTTLIEB POLYNOMIALS**
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- V. **Harmonic functions associated with some polynomials in several variables**
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- VIII. **FAMILIES OF GENERATING FUNCTIONS FOR THE JACOBI AND RELATED MATRIX POLYNOMIALS**
ALTIN A., ÇEKİM B., Erkuř-Duman E.
ARS COMBINATORIA, cilt.117, ss.257-273, 2014 (SCI-Expanded)
- IX. **The Laguerre polynomials in several variables**
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- X. **Extended Jacobi Functions via Riemann-Liouville Fractional Derivative**
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- XI. **On a Family of Multivariate Modified Humbert Polynomials**
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- XII. **STATISTICAL APPROXIMATION BY MEANS OF OPERATORS CONSTRUCTED BY q-LAGRANGE POLYNOMIALS**
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- XIII. **STATISTICAL KOROVKIN-TYPE THEORY FOR MATRIX-VALUED FUNCTIONS**
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- XIV. **Statistical approximation properties of high order operators constructed with the Chan-Chyan-Srivastava polynomials**
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- XV. **Miscellaneous properties of some multivariable polynomials**
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- XVI. **MATRIX EXTENSIONS OF POLYNOMIALS IN SEVERAL VARIABLES**
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- XVII. **STATISTICAL RATES IN APPROXIMATION BY POSITIVE LINEAR OPERATORS**
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- XVIII. **Rates of Ideal Convergence for Approximation Operators**
DUMAN O., Ozarslan M. A., Erkus-Duman E.
MEDITERRANEAN JOURNAL OF MATHEMATICS, cilt.7, sa.1, ss.111-121, 2010 (SCI-Expanded)
- XIX. **On a multivariable extension for the extended Jacobi polynomials**
Altin A., AKTAŞ R., Erkus-Duman E.
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- XX. **Statistical Approximation for Stochastic Processes**
Anastassiou G. A., DUMAN O., Erkus-Duman E.
STOCHASTIC ANALYSIS AND APPLICATIONS, cilt.27, sa.3, ss.460-474, 2009 (SCI-Expanded)
- XXI. **Korovkin Type Error Estimates for Positive Linear Operators Involving Some Special Functions**
Dogru O., Erkus-Duman E.
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- XXII. **A q-extension of the Erkus-Srivastava polynomials in several variables**
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- XXIII. **Integral-type generalizations of operators obtained from certain multivariate polynomials**
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- XXIV. **Statistical rates on the multivariate approximation theory**
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- XXVI. **The q-Lagrange polynomials in several variables**
Altin A., Erkus E., Tasdelen F.
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- XXVII. **Approximation of continuous periodic functions via statistical convergence**
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- XXVIII. **Families of linear generating functions for polynomials in two variables**
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- XXIX. **A unified presentation of some families of multivariable polynomials**
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- XXX. **On a multivariable extension of the Lagrange-Hermite polynomials**
Altin A., Erkus E.
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- XXXI. **A Korovkin type approximation theorem in statistical sense**
Erkus E., Duman O.

- STUDIA SCIENTIARUM MATHEMATICARUM HUNGARICA, cilt.43, sa.3, ss.285-294, 2006 (SCI-Expanded)
- XXXII. **A-statistical extension of the Korovkin type approximation theorem**
Erkus E., Duman O.
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- XXXIII. **A note on the Lagrange polynomials in several variables**
Erkus E., Altin A.
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, cilt.310, sa.1, ss.338-341, 2005 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Advances in the Continuous Dual Hahn Polynomials**
DUMLUPINAR M., DUMAN E.
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- II. **The Meixner Polynomials in Several Variables**
Özmen N., Erkuş-Duman E.
International Journal of Applied Physics and Mathematics, cilt.9, sa.3, ss.144-151, 2019 (Hakemli Dergi)
- III. **Extended Multivariable Fourth Type Horn Functions**
Düzgün D., Erkuş-Duman E.
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- IV. **ON THE GOTTLIEB POLYNOMIALS IN SEVERAL VARIABLES**
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- V. **Generating Functions for k-Hypergeometric Functions**
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- VI. **An Extension of a Class of Generating Functions For The Cesaro Polynomials of Three Variables**
Özmen N., Erkuş-Duman E.
Journal of Science and Arts, cilt.45, sa.4, ss.939-950, 2018 (ESCI)
- VII. **Fibonacci and Lucas Differential Equations**
Erkuş-Duman E., Çiftci H.
Application and applied mathematics, cilt.13, sa.2, ss.756-763, 2018 (ESCI)
- VIII. **Some Generating Functions For a Class of Hypergeometric Polynomials**
Özmen N., Erkuş-Duman E.
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- IX. **Some Families of Generating Functions for the Generalized Cesaro Polynomials**
Özmen N., Erkuş-Duman E.
Journal Of Computational Analysis And Applications, cilt.25, sa.4, ss.670-683, 2018 (Scopus)
- X. **The Laguerre Type d-Orthogonal Polynomials**
Düzgün D., Erkuş-Duman E.
Journal of Science and Arts, cilt.1, sa.42, ss.95-106, 2018 (ESCI)
- XI. **ON THE POISSON CHARLIER POLYNOMIALS**
Özmen N., Erkuş-Duman E.
Serdica Mathematical Journal, cilt.41, ss.457-470, 2015 (Hakemli Dergi)
- XII. **A generalization of the extended Jacobi polynomials in two variables**
Aktaş R., Erkuş-Duman E.
Gazi University Journal of Science, cilt.28, sa.3, ss.503-521, 2015 (Scopus)
- XIII. **New generating functions for the Konhauser matrix polynomials**
Erkuş-Duman E., Çekim B.
Communications de la Faculté des Sciences de l'Université d'Ankara, cilt.63, sa.1, ss.35-41, 2014 (Hakemli Dergi)

XIV. Integral Representations for Bessel Matrix Functions

Çekim B., Erkuş-Duman E.

Gazi University Journal of Science, cilt.27, sa.1, ss.663-667, 2014 (Scopus)

XV. On a hybrid family of summation integral type operators

Gupta V., Erkuş E.

Journal of Inequalities in Pure and Applied Mathematics, cilt.7, sa.1, ss.1-11, 2006 (Hakemli Dergi)

XVI. The multivariate q Lagrange Hermite polynomials

Erkuş E.

International Journal of Computational and Numerical Analysis and Applications, cilt.6, sa.2, ss.143-151, 2004 (Hakemli Dergi)

Kitap & Kitap Bölümleri

I. Extended Multivariable Hypergeometric Functions

Düzgün D., Erkuş-Duman E.

Analysis, Probability, Applications, and Computation, Lindahl K., Lindström T., Rodino L., Toft J., Wahlberg P., Editör, Birkhäuser, Cham, Vaxjö, ss.17-25, 2019

II. On the Generalized Sylvester Polynomials

Özmen N., Erkuş-Duman E.

Analysis, Probability, Applications, and Computation, Karl-Olof Lindahl, Torsten Lindström, Luigi G. Rodino, Joachim Toft, Patrik Wahlberg, Editör, Birkhäuser, Cham, Vaxjö, ss.47-55, 2019

III. On the g -Jacobi Matrix Functions

Çekim B., Erkuş-Duman E.

Advances in Applied Mathematics and Approximation Theory, Anastassiou, Duman, Editör, Springer-Verlag, Zürich, ss.73-84, 2013

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. A GENERALIZATION FOR THE HERMITE-BASED APPELL POLYNOMIALS

SOYARSLAN G., DUMAN E.

6 th INTERNATIONAL CONFERENCE ON MULTIDISCIPLINARY SCIENTIFIC STUDIES, İstanbul, Türkiye, 2 - 03 Haziran 2023, ss.298-305

II. SOME NEW RESULTS FOR THE WILSON POLYNOMIALS

DUMLUPINAR M., DUMAN E.

ANKARA INTERNATIONAL CONGRESS ON SCIENTIFIC RESEARCH-VIII, Ankara, Türkiye, 9 - 11 Haziran 2023, ss.131-142

III. A Generalization of Cesaro Polynomials in Several Variables and the Generalized Lauricella Functions

Erkus-Duman E., Özmen N.

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IV. On Some Generalized Polynomials

Korkmaz Düzgün D., Erkus-Duman E.

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V. Generating Functions for The Extended MultivariableFourth Type Horn Functions

Düzgün D., Erkuş-Duman E.

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VI. Generating Functions for k -Hypergeometric Functions

- Düzgün D., Erkuş-Duman E.
ICPAM, Budapest, Macaristan, 10 - 14 Temmuz 2018
- VII. **Gottlieb Polynomials in several Variables**
Özmen N., Erkuş-Duman E.
V. Kadın Matematikçiler Derneği Çalıştayı, Diyarbakır, Türkiye, 5 - 07 Mayıs 2018, ss.12
- VIII. **On the generalized Sylvester polynomials**
Erkuş-Duman E., Özmen N.
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- IX. **EXTENDED MULTIVARIABLE HYPERGEOMETRIC FUNCTIONS**
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- X. **Extended Multivariable Fourth Type Horn Functions**
Erkuş-Duman E., Düzgün D.
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- XI. **On the Cesaro polynomials of three variables**
Özmen N., Erkuş-Duman E.
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- XII. **Some New Properties of the Extended Generalized Hypergeometric Functions**
Düzgün D., Erkuş-Duman E.
ETAMM 2016, Perpignan, Fransa, 30 Mayıs - 03 Haziran 2016
- XIII. **On the Generalized Cesaro Polynomials**
Erkuş-Duman E., Özmen N.
ETAMM 2016, Perpignan, Fransa, 30 Mayıs - 03 Haziran 2016
- XIV. **On the Poisson Charlier Polynomials**
Özmen N., Erkuş-Duman E.
International Conference: Mathematics Days in Sofia, Sofija, Bulgaristan, 7 - 10 Temmuz 2014, cilt.41, ss.457-470
- XV. **Some Families of Generating Functions for Laguerre and Charlier Types d Orthogonal Polynomials**
Düzgün D., Erkuş-Duman E.
International Conference on Recent Developments in Pure and Applied Mathematics - ICRAPAM 2014, Antalya, Türkiye, 6 - 09 Kasım 2014
- XVI. **On the Generalized Bernoulli Euler and Genocchi Polynomials**
Güldoğan E., Erkuş-Duman E.
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- XVII. **Some Results For A Family of Multivariable Polynomials**
Özmen N., Erkuş-Duman E.
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- XVIII. **Çok değişkenli Gottlieb polinomları**
Erkuş-Duman E.
26.Ulusal Matematik Sempozyumu, Diyarbakır, Türkiye, 4 - 07 Eylül 2013
- XIX. **On the g Jacobi matrix functions**
Çekim B., Erkuş-Duman E.
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- XX. **Laguerre ve Konfluent Hipergeometrik Fonksiyonların Bir Matris Genellemesi**
Çekim B., Erkuş-Duman E.
7. Ankara Matematik Günleri, Ankara, Türkiye, 31 Mayıs - 01 Haziran 2012
- XXI. **Approximation by matrix valued linear positive operators**
Duman O., Erkuş-Duman E.
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- XXII. **Integral representations for a class of polynomials in two variables**

Erkuş-Duman E.

Mathematical Analysis, Differential Equations and Their Applications, Gazimagusa, Kıbrıs (Kktc), 12 - 15 Eylül 2008

XXIII. Some Mixed Generating Relations for Some Families of Multivariable Polynomials

Erkuş-Duman E.

II. Ankara Matematik Günleri, Ankara, Türkiye, 22 - 23 Mayıs 2008

XXIV. Pozitif lineer operatörler yardımıyla sürekli periyodik fonksiyonlara istatistiksel yaklaşım

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XXV. Çok Değişkenli Polinomların Çeşitli Ailelerinin Ortak Bir Gösterimi

Erkuş-Duman E.

XIX. Ulusal Matematik Sempozyumu, Kütahya, Türkiye, 22 - 25 Ağustos 2006

Metrikler

Yayın: 77

Atıf (WoS): 469

Atıf (Scopus): 378

H-İndeks (WoS): 12

H-İndeks (Scopus): 11

Ödüller

Erkuş-Duman E., Best Organizer Award, 10Th International Conference On Mechanical And Aerospace Engineering, Belçika, Temmuz 2019

Akademi Dışı Deneyim

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