

Assoc. Prof. KADİR KANAT

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2006 - 2012

Postgraduate, Bolu Abant İzzet Baysal University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 2002 - 2005

Undergraduate, Bolu Abant İzzet Baysal University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1998 - 2002

Dissertations

Doctorate, Q-bernstein polinomlarının kınq tipli genelleşmelerinin istatistiksel yaklaşım özellikleri, Gazi University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2012

Postgraduate, Wave asymptotics using matched asymptotic expansions, Bolu Abant İzzet Baysal University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2005

Research Areas

Sequences, Series, Summability, Functional Analysis, Operators, Approximations and Expansions

Academic Titles / Tasks

Associate Professor, Ankara Hacı Bayram Veli University, Polatlı Faculty of Arts and Sciences, Department of Mathematics, 2020 - Continues

Academic and Administrative Experience

Ankara Hacı Bayram Veli University, 2019 - Continues

Ankara Hacı Bayram Veli University, 2018 - 2019

Gazi University, 2016 - 2018

Courses

DİFERANSİYEL DENKLEMLER I, Undergraduate, 2020 - 2021, 2018 - 2019, 2016 - 2017, 2015 - 2016

DİFERANSİYEL DENKLEMLER II, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2015 - 2016

KİSMİ TÜREVLİ DİFERANSİYEL DENKLEMLER I, Undergraduate, 2020 - 2021

DİFERANSİYEL DENKLEMLER KURAMI I, Postgraduate, 2020 - 2021
UYGULAMALI MATEMATİK I, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
DİFERANSİYEL DENKLEMLER KURAMI II, Postgraduate, 2020 - 2021
ARAŞTIRMA TEKNİKLERİ VE YAYIN ETİĞİ, Postgraduate, 2020 - 2021
ARAŞTIRMA PROJESİ II, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
MATEMATİK TARİHİ II, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017
ARAŞTIRMA PROJESİ I, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
UYGULAMALI MATEMATİK II, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2015 - 2016, 2014 - 2015, 2013 - 2014
MATEMATİK TARİHİ I, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
KISMİ TÜREVLİ DİFERANSİYEL DENKLEMLER II, Undergraduate, 2020 - 2021, 2019 - 2020
ANALİTİK GEOMETRİ II, Undergraduate, 2019 - 2020, 2017 - 2018, 2016 - 2017
DİFERANSİYEL DENKLEMLER I, Undergraduate, 2019 - 2020
KISMİ TÜREVLİ DİFERANSİYEL DENKLEMLER I, Undergraduate, 2019 - 2020, 2014 - 2015, 2013 - 2014
HAREKET GEOMETRİSİ II, Undergraduate, 2019 - 2020
KOMPLEKS ANALİZ I, Undergraduate, 2019 - 2020, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
ANALİTİK GEOMETRİ I, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017
FONKSİYONEL ANALİZ I, Undergraduate, 2017 - 2018
FONKSİYONEL ANALİZ II, Undergraduate, 2017 - 2018
KOMPLEKS ANALİZ II, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
MATEMATİKSEL MODELLEME, Undergraduate, 2017 - 2018
GENEL MATEMATİK I, Undergraduate, 2017 - 2018
FOURIER ANALİZ, Undergraduate, 2016 - 2017, 2014 - 2015, 2013 - 2014
ANALİZ I, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
ANALİZ II, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
ÖZEL FONKSİYONLAR, Undergraduate, 2016 - 2017, 2014 - 2015, 2013 - 2014
K.T.D.D. NUMERİK ÇÖZÜMLERİ, Undergraduate, 2016 - 2017
LİN. POZ. OPER. DİZİ. YAKL. ÖZELL. I, Postgraduate, 2015 - 2016
Kısmi Türevli Diferensiyel Denklemler II, Undergraduate, 2014 - 2015, 2013 - 2014
Diferensiyel Denklemler Kuramı, Postgraduate, 2014 - 2015
FARK DENKLEMLERİ, Undergraduate, 2013 - 2014

Advising Theses

KANAT K., APPROXIMATION PROPERTIES OF BERNSTEIN TYPE OPERATORS WITH TWO PARAMETERS, Postgraduate, E.AYDEMİR(Student), 2022
KANAT K., Baskakov operatörlerinin bazı genelleştirmelerinin yaklaşım özellikleri, Doctorate, M.SOFYALIOĞLU(Student), 2019
KANAT K., Lineer pozitif operatör dizilerinin q-genelleştirmelerinin yaklaşım özellikleri, Postgraduate, K.GÜÇLÜ(Student), 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Approximation by bivariate Bernstein–Kantorovich–Stancu operators that reproduce exponential functions

Su L., Kanat K., Sofyalioglu Aksoy M., Kisakol M.

Journal of Inequalities and Applications, vol.2024, no.1, 2024 (SCI-Expanded)

- II. **Approximation by Szász-Baskakov Operators Based on Boas-Buck-Type Polynomials**
Sofyaloğlu M., Kanat K.
Filomat, vol.36, no.11, pp.3655-3673, 2022 (SCI-Expanded)
- III. **Parametric Generalization of the Modified Bernstein Operators**
Sofyaloğlu M., Kanat K., ÇEKİM B.
Filomat, vol.36, no.5, pp.1699-1709, 2022 (SCI-Expanded)
- IV. **Some approximation results for the new modification of bernstein-beta operators**
Cai Q., Sofyaloğlu M., Kanat K., ÇEKİM B.
AIMS Mathematics, vol.7, no.2, pp.1831-1844, 2022 (SCI-Expanded)
- V. **Parametric generalization of the Meyer-König-Zeller operators**
Sofyaloğlu M., Kanat K., ÇEKİM B.
Chaos, Solitons and Fractals, vol.152, 2021 (SCI-Expanded)
- VI. **Approximation properties of the Post-Widder operators preserving $e^{2ax}, a > 0$**
Sofyaloğlu M., Kanat K.
Mathematical Methods in the Applied Sciences, vol.43, no.7, pp.4272-4285, 2020 (SCI-Expanded)
- VII. **Approximation properties of generalized Baskakov-Schurer-Szasz-Stancu operators preserving $e^{-2ax}, a > 0$**
Sofyaloğlu M., Kanat K.
Journal of Inequalities and Applications, vol.2019, 2019 (SCI-Expanded)
- VIII. **Some approximation results for Stancu type Lupaş-Schurer operators based on (p, q) -integers**
Kanat K., Sofyaloğlu M.
Applied Mathematics and Computation, vol.317, pp.129-142, 2018 (SCI-Expanded)
- IX. **Approximation by (p, q) -Lupaş-Schurer-Kantorovich operators**
Kanat K., Sofyaloğlu M.
Journal of Inequalities and Applications, vol.2018, 2018 (SCI-Expanded)
- X. **Some approximation results for (p, q) -lupaş-schurer operators**
Kanat K., Sofyaloğlu M.
Filomat, vol.32, no.1, pp.217-229, 2018 (SCI-Expanded)
- XI. **On the rates of convergence of the q -Lupaş-Stancu operators**
DOĞRU O., İçöz G., Kanat K.
Filomat, vol.30, no.5, pp.1151-1160, 2016 (SCI-Expanded)
- XII. **Statistical approximation properties of King-type modification of Lupaş operators**
DOĞRU O., Kanat K.
Computers and Mathematics with Applications, vol.64, no.4, pp.511-517, 2012 (SCI-Expanded)
- XIII. **On statistical approximation properties of the Kantorovich type Lupaş operators**
DOĞRU O., Kanat K.
Mathematical and Computer Modelling, vol.55, no.3-4, pp.1610-1621, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Approximation by the Parametric Generalizations of the Modified Bernstein-Durrmeyer Operators**
Kanat K., Sofyaloğlu Aksoy M., Erdal S.
Levantine Journal of Applied Sciences, vol.2, no.2, pp.19-24, 2022 (Peer-Reviewed Journal)
- II. **Approximation by the new modification of Bernstein-Stancu operators**
SOFYALIOĞLU M., KANAT K.
Cumhuriyet Science Journal, 2021 (Peer-Reviewed Journal)
- III. **On stancu type szász-mirakyan-durrmeyer operators preserving $e^{2ax}, a > 0$**
Kanat K., Sofyalioglu M.
Gazi University Journal of Science, vol.34, no.1, pp.196-209, 2021 (ESCI)

- IV. **Approximation Properties of Stancu-Type (p,q) -Baskakov Operators**
KANAT K., SOFYALIOĞLU M.
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.8, no.3, pp.889-902, 2019 (Peer-Reviewed Journal)
- V. **On Stancu type generalization of (p,q) -Baskakov-Kantorovich operators**
Kanat K., Sofyaloğlu M.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.68, no.2, pp.1995-2013, 2019 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **On Parametric Generalization of Kantorovich-Type Operators**
KANAT K., SOFYALIOĞLU M., ERDAL S.
International Symposium on Engineering, Natural and Social Sciences (ISENS-21), Turkey, 25 - 28 November 2021
- II. **New Results for Bernstein Operators**
SOFYALIOĞLU M., KANAT K.
International Conference on Mathematics and its Applications in Science and Engineering (ICMASE 2021), Turkey, 01 July 2021
- III. **On Approximation Properties of Szasz Mirakyan Operators**
SOFYALIOĞLU M., KANAT K.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ITS APPLICATIONS IN SCIENCE AND ENGINEERING, Ankara, Turkey, 9 - 10 July 2020
- IV. **On Generalization of Szasz-Mirakyan-Durrmeyer Operators**
SOFYALIOĞLU M., KANAT K.
The 8th International Conference on Pure and Applied Mathematics (ICPAM 2019), Brüksel, Belgium, 22 - 25 July 2019
- V. **Modifiye Edilmiş Baskakov Operatörlerinin Yaklaşım Özellikleri**
SOFYALIOĞLU M., KANAT K.
14. Ankara Matematik Günleri (AMG 2019), Ankara, Turkey, 28 - 29 June 2019
- VI. **On Linear Positive Operators Preserving Exponential Functions**
SOFYALIOĞLU M., KANAT K.
International Workshop on Dynamical Systems and Applications (IWDSA 2019) In Memory of Prof. Dr. Aydın Tiryaki, Ankara, Turkey, 3 - 04 May 2019
- VII. **Generalized Baskakov Operators Preserving Exponential Functions**
SOFYALIOĞLU M., KANAT K.
International Conference on Applied Analysis and Mathematical Modeling ICAAMM19, İstanbul, Turkey, 10 - 13 March 2019
- VIII. **On Post-Widder Operators Preserving Exponential Functions**
SOFYALIOĞLU M., KANAT K.
The First International Workshop Constructive Mathematical Analysis, Konya, Turkey, 11 - 13 February 2019
- IX. **On (p,q) -Analogue of Baskakov-Stancu-Kantorovich Operators**
SOFYALIOĞLU M., KANAT K.
7th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2018), kiev, Ukraine, 28 - 31 August 2018
- X. **Approximation by Baskakov-Stancu Operators Based On (p, q) -Integers**
SOFYALIOĞLU M., KANAT K.
International Conference on Mathematics "An Istanbul Meeting for World Mathematicians" Minisymposium on Approximation Theory Minisymposium on Math Education, İstanbul, Turkey, 3 - 06 July 2018
- XI. **Some Approximation Results for Lupaş-Kantorovich-Schurer Operators Based on (p,q) - Calculus**
SOFYALIOĞLU M., KANAT K.
6th International Eurasian Conference on Mathematical Sciences and Applications, Budapest, Hungary, 15 - 18

August 2017

XII. On (p,q) -Analogue of Lupaş-Schurer Operators

KANAT K., SOFYALIOĞLU M.

International Conference on Mathematics and Mathematics Education, Şanlıurfa, Turkey, 11 - 13 May 2017

XIII. On (p,q) -Analogue of Lupaş-Schurer-Stancu Operators

SOFYALIOĞLU M., KANAT K.

International Conference on Mathematics and Mathematics Education, Şanlıurfa, Turkey, 11 - 13 May 2017

Metrics

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