

# Prof. OGÜN DOĞRU

## Personal Information

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## International Researcher IDs

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Yoksis Researcher ID: 11367

## Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 1993 - 1997

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 1990 - 1993

Undergraduate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 1985 - 1989

## Foreign Languages

English, B2 Upper Intermediate

## Research Areas

Mathematics

## Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Matematik, 2013 - Continues

Associate Professor, Gazi University, Fen Fakültesi, Matematik, 2007 - 2013

Associate Professor, Ankara University, Faculty Of Science, Department Of Mathematics, 2005 - 2007

Assistant Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2001 - 2005

Lecturer PhD, Ankara University, Fen Fakültesi, Matematik Bölümü, 1997 - 2001

Research Assistant, Ankara University, Fen Fakültesi, Matematik Bölümü, 1989 - 1997

## Academic and Administrative Experience

Gazi University, Fen Fakültesi, Matematik Bölümü, 2017 - Continues

Gazi University, Fen Fakültesi, Matematik Bölümü, 2014 - 2017

Gazi University, Fen Fakültesi, Matematik Bölümü, 2007 - 2009

## Advising Theses

Dođru O., İki Deđiřkenli Genelleřtirilmiř Jain Operatörlerinin yaklařım özellikleri, Postgraduate, G.SOYLU(Student), 2020

DOĐRU O., Approximation Properties Of Linear Positive Operators Including Generating Functions, Postgraduate, G.Yurtsever(Student), 2019

DOĐRU O., Agratını Operators And Approximation Properties Of Some Generalizations, Doctorate, A.GÜLSÜN(Student), 2019

DOĐRU O., Investigation Of Approach Properties Of Linear Positive Operators, Postgraduate, Z.EKREM(Student), 2018

DOĐRU O., Approximation Properties Of A Generating Functions Type Generalization Of Meyer-König And Zeller Operators, Postgraduate, K.KÜNYELİ(Student), 2017

DOĐRU O., Approximation Properties Of A Generalization Of Q-Balazs Szabados Operators, Postgraduate, P.KARATAŐLI(Student), 2015

DOĐRU O., The approximation properties of king type generalizations of q-bernstein operators, Doctorate, K.KANAT(Student), 2012

DOĐRU O., The approximation properties of q &#8722; generalizations of some linear positive operator sequences, Doctorate, M.Örkcü(Student), 2011

DOĐRU O., Bazı integral tipli lineer pozitif operatör dizilerinin genelleřmelerinin yaklařım özellikleri, Doctorate, M.ÖRKÜ(Student), 2011

DOĐRU O., APPROXIMATION PROPERTIES OF KING TYPE GENERALIZATIONS OF BIVARIATE q &#8722; BERNSTEIN POLYNOMIALS, Postgraduate, H.Erhan(Student), 2010

DOĐRU O., Q-Kantorovich tipli lineer pozitif operatörlerin yaklařım özellikleri, Doctorate, Ö.ÖZER(Student), 2010

DOĐRU O., İki deđiřkenli q-Bernstein polinomlarının King tipli genelleřmelerinin yaklařım özellikleri, Postgraduate, H.ERHAN(Student), 2010

DOĐRU O., İki deđiřkenli q-Bleimann, Butzer ve Hahn operatörlerinin yaklařım özellikleri, Doctorate, S.SİBEL(Student), 2008

DOĐRU O., q-Meyer-König ve Zeller operatörlerinin yaklařım özellikleri, Postgraduate, R.CANATAN(Student), 2008

DOĐRU O., Agratını Operatörlerinin Kantorovich Tipli İntegral Genelleřmesi İle İntegrallenebilir Fonksiyonların Lp-Normunda Yaklařımı, Postgraduate, S.DALLI(Student), 2008

DOĐRU O., Stancu tipli meyer-könig ve zeller operatörlerinin bir genelleřmesi ile sürekli fonksiyonların yaklařtırılması ve yaklařım oranı, Postgraduate, S.YILMAZ(Student), 2005

DOĐRU O., Ađırlıklı uzaylarda Szasz operatörlerinin yaklařım özellikleri ve yakınsaklık oranı, Postgraduate, A.ILIKKAN(Student), 2005

DOĐRU O., Balasz operatörleri ve bazı genelleřmeleri için korovkin tipli hata tahminleri, Postgraduate, B.DEMİRTÜRK(Student), 2005

DOĐRU O., q-bernstein polinomlarının yaklařım özellikleri, Postgraduate, A.ALTUNBAŐ(Student), 2005

DOĐRU O., Szasz operatörleri ve bir genelleřmesinin yaklařım ve diferansiyel özellikleri, Postgraduate, M.YILMAZ(Student), 2004

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **On better approximation order for the nonlinear Bernstein operator of maximum product kind**  
Cita S., DOĐRU O.  
FILOMAT, vol.38, no.13, pp.4767-4774, 2024 (SCI-Expanded)
- II. **A-Statistical L-p approximation properties of an integral variant of a general positive linear operators**  
Muraru C., DOĐRU O., Gulsun A.  
ANNALS OF FUNCTIONAL ANALYSIS, vol.11, no.3, pp.761-779, 2020 (SCI-Expanded)
- III. **APPROXIMATION PROPERTIES OF CERTAIN BERNSTEIN-STANCU TYPE OPERATORS**  
Acu A., DOĐRU O., Muraru C. V., Radu V. A.  
JOURNAL OF MATHEMATICAL INEQUALITIES, vol.13, no.3, pp.687-702, 2019 (SCI-Expanded)
- IV. **On the Rates of Convergence of the q-Lupas-Stancu Operators**  
DOĐRU O., İÇÖZ G., Kanat K.

- FILOMAT, vol.30, no.5, pp.1151-1160, 2016 (SCI-Expanded)
- V. **Approximation Properties of Generalized Jain Operators**  
Dogru O., Mohapatra R. N., Orkcü M.  
FILOMAT, vol.30, no.9, pp.2359-2366, 2016 (SCI-Expanded)
- VI. **Statistical approximation properties of King-type modification of Lupas operators**  
DOĞRU O., Kanat K.  
COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.64, no.4, pp.511-517, 2012 (SCI-Expanded)
- VII. **Statistical approximation of a kind of Kantorovich type  $q$ -Szász-Mirakjan operators**  
ÖRKÜ M., DOĞRU O.  
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, vol.75, no.5, pp.2874-2882, 2012 (SCI-Expanded)
- VIII. **On statistical approximation properties of the Kantorovich type Lupas operators**  
DOĞRU O., Kanat K.  
MATHEMATICAL AND COMPUTER MODELLING, vol.55, pp.1610-1621, 2012 (SCI-Expanded)
- IX.  **$q$ -Szász-Mirakjan-Kantorovich type operators preserving some test functions**  
ÖRKÜ M., DOĞRU O.  
APPLIED MATHEMATICS LETTERS, vol.24, no.9, pp.1588-1593, 2011 (SCI-Expanded)
- X. **Weighted statistical approximation by Kantorovich type  $q$ -Szász-Mirakjan operators**  
ÖRKÜ M., DOĞRU O.  
APPLIED MATHEMATICS AND COMPUTATION, vol.217, no.20, pp.7913-7919, 2011 (SCI-Expanded)
- XI. **On statistical approximation properties of Kantorovich type  $q$ -Bernstein operators**  
Dalmanoglu O., Dogru O.  
MATHEMATICAL AND COMPUTER MODELLING, vol.52, pp.760-771, 2010 (SCI-Expanded)
- XII. **WEIGHTED APPROXIMATION BY  $q$ -SZASZ-KING TYPE OPERATORS**  
Agratini O., Dogru O.  
TAIWANESE JOURNAL OF MATHEMATICS, vol.14, no.4, pp.1283-1296, 2010 (SCI-Expanded)
- XIII. **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)
- XIV. **Statistical approximation properties of Kantorovich type  $q$  MKZ operators**  
DALMANOĞLU Ö., DOĞRU O.  
Applied Mathematics And Computation, vol.19, no.1, pp.15-24, 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)
- XVI. **Statistical approximation properties of  $q$ -Bleimann, Butzer and Hahn operators**  
Ersan S., DOĞRU O.  
MATHEMATICAL AND COMPUTER MODELLING, vol.49, pp.1595-1606, 2009 (SCI-Expanded)
- XVII. **Korovkin Type Error Estimates for Positive Linear Operators Involving Some Special Functions**  
Dogru O., Erkus-Duman E.  
TURKISH JOURNAL OF MATHEMATICS, vol.33, no.1, pp.41-53, 2009 (SCI-Expanded)
- XVIII. **Statistical approximation by Stancu type bivariate generalization of Meyer-Konig and Zeller type operators**  
Dogru O., Muraru C.  
MATHEMATICAL AND COMPUTER MODELLING, vol.48, pp.961-968, 2008 (SCI-Expanded)
- XIX. **Approximation properties of a generalization of positive linear operators**  
Dogru O.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.342, no.1, pp.161-170, 2008 (SCI-Expanded)
- XX. **On Kantorovich process of a sequence of the generalized linear positive operators**  
İSPİR N., ARAL A., Dogru O.  
NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION, vol.29, pp.574-589, 2008 (SCI-Expanded)
- XXI. **DIRECT AND INVERSE THEOREMS ON STATISTICAL APPROXIMATIONS BY POSITIVE LINEAR**

## OPERATORS

Dogru O.

ROCKY MOUNTAIN JOURNAL OF MATHEMATICS, vol.38, no.6, pp.1959-1973, 2008 (SCI-Expanded)

- XXII. **Bleimann, Butzer, and Hahn operators based on the  $q$ -integers**  
ARAL A., Dogru O.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2007 (SCI-Expanded)
- XXIII. **On integral type generalizations of positive linear operators**  
Duman O., Oezarslan M. A., Dogru O.  
STUDIA MATHEMATICA, vol.174, no.1, pp.1-12, 2006 (SCI-Expanded)
- XXIV. **Korovkin-type approximation properties of bivariate  $q$ -Meyer-Konig and Zeller operators**  
Dogru O., Gupta V.  
CALCOLO, vol.43, no.1, pp.51-63, 2006 (SCI-Expanded)
- XXV. **The generalization of Meyer-Konig and Zeller operators by generating functions**  
Altin A., Dogru O., Tasdelen F.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.312, no.1, pp.181-194, 2005 (SCI-Expanded)
- XXVI. **Rates of A-statistical convergence of approximating operators**  
Ozarslan M., Duman O., Dogru O.  
CALCOLO, vol.42, no.2, pp.93-104, 2005 (SCI-Expanded)
- XXVII. **Monotonicity and the asymptotic estimate of bleimann butzer and hahn operators based on  $q$ -Integers**  
DOĞRU O., Gupta V.  
Georgian Mathematical Journal, vol.12, no.3, pp.415-422, 2005 (SCI-Expanded)
- XXVIII. **Statistical approximation by generalized Meyer-Konig and Zeller type operators**  
Dogru O., Duman O., Orhan C.  
STUDIA SCIENTIARUM MATHEMATICARUM HUNGARICA, vol.40, no.3, pp.359-371, 2003 (SCI-Expanded)
- XXIX. **Approximation by Kantorovich type generalization of Meyer König and Zeller operators**  
Doğru O., Özalp N.  
Glasnik Matematički, vol.36, pp.311-318, 2001 (SCI-Expanded)

## Articles Published in Other Journals

- I. **RATES OF WEIGHTED STATISTICAL CONVERGENCE FOR A GENERALIZATION OF POSITIVE LINEAR OPERATORS**  
İlbey R. C., DOĞRU O.  
MATHEMATICAL FOUNDATIONS OF COMPUTING, vol.6, no.3, pp.427-438, 2023 (ESCI)
- II. **ON BETTER APPROXIMATION ORDER FOR THE NONLINEAR BLEIMANN–BUTZER–HAHN OPERATOR OF MAXIMUM PRODUCT KIND**  
ÇİT S., DOĞRU O.  
Khayyam Journal of Mathematics, vol.9, no.2, pp.225-245, 2023 (Scopus)
- III. **Kantorovich-type operators associated with a variant of Jain operators**  
Agratini O., DOĞRU O.  
STUDIA UNIVERSITATIS BABES-BOLYAI MATHEMATICA, vol.66, no.2, pp.279-288, 2021 (ESCI)
- IV. **Statistical approximation properties of a generalization of positive linear operators**  
CANATAN İLBEY R., DOĞRU O.  
EUROPEAN JOURNAL OF PURE AND APPLIED MATHEMATICS, vol.5, no.1, pp.75-87, 2012 (Peer-Reviewed Journal)
- V. **Kantorovich process of linear positive operators via biorthogonal polynomials**  
İÇÖZ G., TAŞDELEN YEŞİLDAL F., DOĞRU O.  
JOURNAL OF INEQUALITIES AND SPECIAL FUNCTIONS, vol.3, no.4, pp.77-84, 2012 (ESCI)
- VI. **Approximation of bounded variation functions by a Bezier variant of the Bleimann, Butzer and Hahn operators**

- GUPTA V., DOĞRU O.  
Int. J. Math. Math. Sci., 2006 (Scopus)
- VII. **Rates of convergence of Meyer König and Zeller operators based on q integers**  
ALTIN A., DOĞRU O., ÖZARSLAN M. A.  
WSEAS Trans. Math., vol.4, no.4, pp.313-318, 2005 (Scopus)
- VIII. **On the approximation properties of bivariate Bleimann, Butzer and Hahn operators**  
ALTIN A., DOĞRU O., ÖZARSLAN M. A.  
WSEAS Trans. Math., vol.4, no.4, pp.327-332, 2005 (Scopus)
- IX. **Direct results for certain family of integral type operators**  
GUPTA V., DOĞRU O.  
JIPAM J. Inequal. Pure Appl. Math., vol.6, no.1, pp.1-11, 2005 (Peer-Reviewed Journal)
- X. **Direct estimates and Lp approximation properties for Agratini operators and their integral form**  
ARAL A., DOĞRU O.  
Int. J. Comput. Numer. Anal. Appl., vol.5, no.2, pp.173-187, 2004 (Peer-Reviewed Journal)
- XI. **Kantorovich type generalization of certain class of positive linear operators**  
ALTIN A., DOĞRU O., ÖZARSLAN M. A.  
WSEAS Trans. Math., vol.3, no.3, pp.607-610, 2004 (Scopus)
- XII. **Direct and inverse estimations for a generalization of positive linear operators**  
ALTIN A., DOĞRU O.  
WSEAS Trans. Math., vol.3, no.3, pp.602-606, 2004 (Scopus)
- XIII. **Weighted approximation of continuous functions on the all positive axis by modified linear positive operators**  
DOĞRU O.  
Int. J. Comput. Numer. Anal. Appl., vol.1, no.2, pp.135-147, 2002 (Peer-Reviewed Journal)
- XIV. **On Bleiman Butzer and Hahn type generalization of Balazs operators**  
DOĞRU O.  
Studia Univ. "Babeş-Bolyai", Mathematica, vol.47, no.4, pp.37-45, 2002 (ESCI)
- XV. **Weighted approximation properties of Szasz-type operators**  
DOĞRU O.  
Int. Math. J., vol.2, no.9, pp.889-895, 2002 (Peer-Reviewed Journal)
- XVI. **Galileo Galilei nin ilginç bir dizisi**  
DOĞRU O.  
Matematik Dünyası, vol.10, no.1, 2001 (Peer-Reviewed Journal)
- XVII. **Eğlenceli bir Matematik sorusu**  
DOĞRU O.  
Matematik Dünyası, vol.9, no.3, 2000 (Peer-Reviewed Journal)
- XVIII. **Gauss toplamları için açık formüller**  
DOĞRU O.  
Matematik Dünyası, vol.8, no.3, 1999 (Peer-Reviewed Journal)
- XIX. **Approximation order and asymptotic approximation for generalized Meyer König and Zeller operators**  
DOĞRU O.  
Math. Balkanica, vol.12, pp.359-368, 1998 (Peer-Reviewed Journal)
- XX. **On a certain family of linear positive operators**  
DOĞRU O.  
Turkish Journal Of Mathematics, vol.21, pp.387-399, 1997 (Scopus)
- XXI. **On the order of approximation of unbounded functions by the family of generalized linear positive operators**  
DOĞRU O.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.46, pp.173-181, 1997 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Diferensiyel Denklemlerin Temelleri**  
DOĞRU O.  
Nobel, 2013

## Refereed Congress / Symposium Publications in Proceedings

- I. **Genelleştirilmiş İki Değişkenli Baskakov Operatör Dizisinin Düzgün Yakınsaklığı**  
Sariteke Z. E., DOĞRU O., ÖRKCÜ M.  
11. Matematik Günleri, Turkey, 26 - 27 May 2016
- II. **On the rates of convergence of a Stancu type generalization of the Lupaş operators based on q integers**  
DOĞRU O., KANAT K.  
ICAAM 2012, 18 - 21 October 2012
- III. **Szasz-Mirakyan- Kantorovich operatör dizilerinin q genelleşmesi**  
DOĞRU O., ÖRKCÜ M.  
5. Ankara Matematik Günleri, Turkey, 3 - 04 June 2010
- IV. **Necessary conditions to obtain Voronovskaja type asymptotic formulae via statistical limit**  
Dogru O.  
12th WSEAS International Conference on APPLIED MATHEMATICS, Cairo, Egypt, 29 - 31 December 2007, pp.128-129
- V. **On statistical approximation properties of Stancu type bivariate generalization of q-Balazs-Szabados operators**  
DOĞRU O.  
Int. Conf. Num. Anal. Appr. Theory Cluj Napoca, 4 - 08 July 2006
- VI. **On the approximation properties of bivariate Bleimann Butzer and Hahn operators**  
ALTIN A., DOĞRU O., ÖZARSLAN M. A.  
WSEAS, 16 - 18 December 2005, vol.4
- VII. **Direct and inverse estimations for a generalization of certain class of positive linear operators**  
ALTIN A., DOĞRU O.  
WSEAS, 17 - 19 August 2004
- VIII. **Ağırlıklı uzaylarda Szasz tipinde operatörler dizisinin sürekli fonksiyonlara yaklaşımı**  
GADJIEVA E., DOĞRU O.  
II. Uluslararası Kızılrnak Fen Bilimleri Kongresi, Turkey, 20 - 22 May 1998
- IX. **Genelleştirilmiş lineer pozitif operatör ailesinin ve türevlerinin yakınsaklığı üzerine**  
DOĞRU O.  
I. Kızılrnaf Fen Bilimleri Kongresi, Turkey, 14 - 16 May 1997

## Metrics

Publication: 65  
Citation (WoS): 383  
Citation (Scopus): 397  
H-Index (WoS): 12  
H-Index (Scopus): 14

## Non Academic Experience

Gazi Üniversitesi Fen Fakültesi

Gazi Üniversitesi

Ankara Üniversitesi

Ankara Üniversitesi

Ankara Üniversitesi

Ankara Üniversitesi