

# Prof. İSMET YÜKSEL

## Personal Information

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## International Researcher IDs

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## Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 1997 - 2006

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Matematik (Yl) (Tezli), Turkey 1993 - 1997

Undergraduate, Gazi University, Fen-Edebiyat Fakültesi, Matematik Pr., Turkey 1987 - 1993

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Postgraduate, Simpleksel öndemetler, Gazi University, Fen Bilimleri Enstitüsü, Matematik (Yl) (Tezli), 1997

## Research Areas

Functional Analysis, General Mathematics, Approximations and Expansions

## Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Matematik, 2019 - Continues

Associate Professor, Gazi University, Fen Fakültesi, Matematik, 2013 - 2019

Assistant Professor, Gazi University, Fen Fakültesi, Matematik, 2008 - 2012

## Academic and Administrative Experience

Gazi University, Fen Fakültesi, 2016 - 2017

## Advising Theses

YÜKSEL İ., Approximation Properties Of A-Baskakov-Durrmeyer Type Operators, Postgraduate, K.BAŞOL(Student), 2021  
 YÜKSEL İ., Approximation By Generalization Of Szász Operators Involving Brenke Type Polynomials, Postgraduate, M.ESER(Student), 2019  
 YÜKSEL İ., Bir toplamsal tip lineer pozitif operatörler dizisinin yaklaşım özellikleri, Postgraduate, A.FUAT(Student), 2019  
 YÜKSEL İ., Approximation Properties By A Summation Type Linear Positive Operators Sequence, Postgraduate, A.Fuat(Student), 2019  
 YÜKSEL İ., Approximation By Bleimann, Butzer And Hahn Type Generalization Of Balázs Operators, Postgraduate, M.Karataş(Student), 2018  
 YÜKSEL İ., Balázs operatörlerinin Bleimann, Butzer ve Hahn tip genelleştirmesiyle yaklaşım, Postgraduate, M.KARATAŞ(Student), 2018  
 YÜKSEL İ., Approximation By Jan-Baskakov Type Operators, Postgraduate, M.SAĞLAM(Student), 2017  
 YÜKSEL İ., Approximation by durrmeyer-type operators in compact disks, Postgraduate, M.Bulut(Student), 2014  
 YÜKSEL İ., Approximation by durrmeyer-type operators in compact disks, Postgraduate, M.BULUT(Student), 2014  
 YÜKSEL İ., Approximation by Kantorovich-Stancu type operators, Postgraduate, N.KOZAN(Student), 2010  
 YÜKSEL İ., Q-Durrmeyer operatörlerinin yaklaşım özellikleri, Postgraduate, H.DELİBAŞ(Student), 2010

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

- I. **Approximation Properties of Durrmeyer Type of  $(p,q)$ -Bleimann, Butzer, and Hahn Operators**  
 Cai Q., Yüksel İ., Dinlemez Kantar Ü., Çekim B.  
 JOURNAL OF FUNCTION SPACES, vol.2019, 2019 (SCI-Expanded)
- II. **Dunkl generalization of Szasz beta-type operators**  
 ÇEKİM B., DİNLEMEZ KANTAR Ü., YÜKSEL İ.  
 MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.40, no.18, pp.7697-7704, 2017 (SCI-Expanded)
- III. **ON APPROXIMATION OF BASKAKOV-DURRMEYER TYPE OPERATORS OF TWO VARIABLES**  
 YÜKSEL İ., DİNLEMEZ KANTAR Ü., ALTIN B.  
 UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, vol.78, no.1, pp.123-134, 2016 (SCI-Expanded)
- IV. **A NOTE ON THE APPROXIMATION BY THE  $q$ -HYBRID SUMMATION INTEGRAL TYPE OPERATORS**  
 DİNLEMEZ KANTAR Ü., YÜKSEL İ., ALTIN B.  
 TAIWANESE JOURNAL OF MATHEMATICS, vol.18, no.3, pp.781-792, 2014 (SCI-Expanded)
- V. **Voronovskaja type approximation theorem for  $q$ -Szász-beta operators**  
 YÜKSEL İ., DİNLEMEZ KANTAR Ü.  
 APPLIED MATHEMATICS AND COMPUTATION, vol.235, pp.555-559, 2014 (SCI-Expanded)
- VI. **APPROXIMATION BY  $q$ -PHILLIPS OPERATORS**  
 Yuksel İ.  
 HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.40, no.2, pp.191-201, 2011 (SCI-Expanded)
- VII. **Weighted approximation by a certain family of summation integral-type operators**  
 Yuksel İ., Ispir N.  
 COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.52, no.10-11, pp.1463-1470, 2006 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Parametric Extension of a Certain Family of Summation-Integral Type Operators**  
 Odabaşı N. F., YÜKSEL İ.  
 Cumhuriyet Science Journal, vol.44, no.2, pp.315-327, 2023 (Peer-Reviewed Journal)
- II. **Investigating  $(p,q)$ -hybrid Durrmeyer-type Operators in terms of Their Approximation Properties**  
 Dinlemez Kantar Ü., Yüksel İ.  
 Gazi University Journal of Science Part A: Engineering and Innovation, vol.9, no.1, pp.1-11, 2022 (Peer-Reviewed)

Journal)

- III. **Approximation by Genuine Type  $(p, q)$ -Phillips Operators**  
Gafarli M., Yüksel İ.  
Journal of Computer Science & Computational Mathematics, vol.9, no.4, pp.1-7, 2019 (Peer-Reviewed Journal)
- IV. **ON THE  $(p, q)$ -STANCU GENERALIZATION OF A GENUINE BASKAKOV DURRMEYER TYPE OPERATORS**  
YÜKSEL İ., DİNLEMEZ KANTAR Ü., ALTIN B.  
INTERNATIONAL JOURNAL OF ANALYSIS AND APPLICATIONS, vol.15, no.2, pp.138-145, 2017 (ESCI)
- V. **Voronovskaja Type Approximation Theorem For  $q$  - Szasz- Beta-Stancu Type Operators**  
DİNLEMEZ KANTAR Ü., YÜKSEL İ.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.29, no.1, pp.115-122, 2016 (ESCI)
- VI. **Weighted Approximation by the  $q$ -Szasz-Schurer-Beta Type Operators**  
YÜKSEL İ., DİNLEMEZ KANTAR Ü.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.28, no.2, pp.231-238, 2015 (ESCI)
- VII. **Direct results on the  $q$  mixed summation integral type operators**  
YÜKSEL İ.  
Journal of Applied Functional Analysis, vol.8, no.1, 2013 (Peer-Reviewed Journal)
- VIII. **Better Error Estimation for a Certain Family of Summation Integral Type Operators**  
YÜKSEL İ.  
Gazi University Journal of Science, vol.25, no.1, pp.97-106, 2012 (Scopus)
- IX. **Simultaneous approximation for the Bezier variant of Baskakov Schurer Durrmeyer type operators**  
YÜKSEL İ.  
J. Math. Anal. Approx. Theory, vol.1, no.2, pp.150-160, 2006 (Peer-Reviewed Journal)
- X. **On the Bezier variant of Srivastava Gupta operators**  
İSPİR N., YÜKSEL İ.  
Applied Mathematics E-Notes, vol.5, pp.129-137, 2005 (Scopus)
- XI. **Rate of Convergence by Certain Bezier type Operators for Bounded Variation**  
İSPİR N., YÜKSEL İ.  
Int. J. Math. Sci., vol.4, no.2, pp.329-339, 2005 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Schurer Generalization of  $q$ -Hybrid Summation Integral Type Operators**  
VURAL İ., ALTIN B., YÜKSEL İ.  
in: Computational Analysis, Anastassiou, George A., Duman, Oktay, Editor, Springer, pp.179-194, 2016
- II. **On approximation of Baskakov-Durrmeyer type operators of two variables**  
YÜKSEL İ., DİNLEMEZ KANTAR Ü., ALTIN B.  
in: Computational Analysis, Anastassiou, George A., Duman, Oktay (Eds.), Editor, Springer, pp.195-209, 2016

## Refereed Congress / Symposium Publications in Proceedings

- I. **Approximation by Parametrik Baskakov Durrmeyer Type Operators**  
Odabaşı N. F., Yüksel İ.  
Yaklaşımlar Teorisi ve Uygulamaları Çalıştayı, Ankara, Turkey, 4 - 05 March 2022, pp.35
- II. **Approximation Properties of Baskakov-Schurer-Durrmeyer-Stancu type Operators**  
Türkmen B., Yüksel İ.  
Yaklaşımlar Teorisi ve Uygulamaları Çalıştayı, Ankara, Turkey, 4 - 05 March 2022, pp.18
- III. **On Parametric Extension of Szasz Durrmeyer Operators**  
YÜKSEL İ., Odabaşı N. F.  
2019 The 8th International Conference on Pure and Applied Mathematics, Brüksel, Belgium, 22 - 25 June 2019

- IV. **Approximation by parametric extension of Baskakov-Durrmeyer type operators”**  
YÜKSEL İ., Altay K.  
INTERNATIONAL WORKSHOP ON DYNAMICAL SYSTEMS AND APPLICATIONS, Ankara, Turkey, 3 - 04 May 2019
- V. **A new gamma type operators with the help of (p,q)-calculus**  
YÜKSEL İ., DİNLEMEZ KANTAR Ü., ÇEKİM B.  
icomath 2018, İstanbul, Turkey, 3 - 06 June 2018
- VI. **on statistical approximation properties of a genuine type (p,q)- Phillips operators**  
YÜKSEL İ., GAFARLI M.  
11th ISAAC, Vaxjö, Sweden, 13 - 17 August 2017
- VII. **on statistical approximation properties of a generalization of Gamma type operators on (p,q)-integer**  
YÜKSEL İ., GAFARLI M.  
11th ISAAC, Vaxjö, Sweden, 13 - 17 August 2017
- VIII. **On approximation of Baskakov Durrmeyer type operators of two variables**  
YÜKSEL İ., DİNLEMEZ KANTAR Ü., ALTIN B.  
AMAT2015, 10 October 2016
- IX. **On p q Generalization of Genuine Baskakov Durrmeyer Stancu Type Operators**  
YÜKSEL İ., DİNLEMEZ KANTAR Ü., ALTIN B.  
ETAMM 2016, 30 May - 03 June 2016
- X. **Schurer Generalization of q-Hybrid Summation Integral Type Operators**  
Vural I., ALTIN B., YÜKSEL İ.  
3rd International Conference on Applied Mathematics and Approximation Theory (AMAT), Ankara, Turkey, 28 - 31 May 2015, vol.155, pp.179-194
- XI. **Approximation by q-Baskakov-Durrmeyer Type Operators of Two Variables**  
YÜKSEL İ., DİNLEMEZ KANTAR Ü., ALTIN B.  
3rd International Conference on Applied Mathematics and Approximation Theory (AMAT), Ankara, Turkey, 28 - 31 May 2015, vol.155, pp.195-209
- XII. **Voronovskaja type approximation theorem for q Stancu Szasz Beta tpe operators**  
DİNLEMEZ Ü., YÜKSEL İ.  
International Conference Mathematics Days in Sofia, Sofija, Bulgaria, 7 - 10 July 2014
- XIII. **q Hibrit toplamsal integral tipli operatörlerin yaklaşımı üzerine**  
DİNLEMEZ Ü., YÜKSEL İ.  
26. Ulusal Matematik Sempozyumu, Turkey, 4 - 07 September 2013
- XIV. **Approximation by q-Baskakov-Schurer-Szasz Type Operators**  
Yuksel İ.  
11th International Conference of Numerical Analysis and Applied Mathematics (ICNAAM), Greece, 21 - 27 September 2013, vol.1558, pp.1136-1139

## Metrics

Publication: 34

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