

## Prof. ÜLKÜ DİNLEMEZ KANTAR



### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: CAF-0658-2022

ScopusID: 26641769500

Yoksis Researcher ID: 133912

### Education Information

Doctorate, Gazi University, Fen Fakültesi, Matematik, Turkey 1997 - 2004

Postgraduate, Gazi University, Fen Fakültesi, Matematik, Turkey 1993 - 1997

Undergraduate, Gazi University, Fen Fakültesi, Matematik, Turkey 1988 - 1992

### Foreign Languages

English, B1 Intermediate

### Certificates, Courses and Trainings

Personal Evolution, Bioenerji Master Eğitimi (Uzaktan Eğitim), Altınbaş Üniversitesi, 2022

Personal Evolution, Spiritüel Danışmanlık (Uzaktan Eğitim), Altınbaş Üniversitesi, 2022

### Dissertations

Doctorate, Homojen Olmayan Bir Ortamda Yayılan Zaman Harmonik Akustik Dalgalar İçin Uzak Alan Operatörünün Özellikleri ve Ters Saçılma Teorisi, Gazi University, Fen Fakültesi, Matematik Bölümü, 2004

Postgraduate, Helmholtz Denklemiyle Bağlantılı Geçiş (Transmission) Problemleri, Gazi University, Fen Fakültesi, Matematik Bölümü, 1997

### Research Areas

Natural Sciences

### Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Matematik, 2022 - Continues  
Associate Professor, Gazi University, Fen Fakültesi, Matematik, 2015 - 2022  
Assistant Professor, Gazi University, Fen Fakültesi, Matematik, 2006 - 2015  
Research Assistant, Gazi University, Fen Fakültesi, Matematik, 1993 - 2006

## Academic and Administrative Experience

Mevlana Exchange Program Coordinator, Gazi University, Fen Fakültesi, Matematik, 2014 - 2018  
Deputy Head of Department, Gazi University, Fen Fakültesi, Matematik Bölümü, 2007 - 2009

## Courses

Differential equations, Undergraduate, 2019 - 2020  
5940005 YÜKSEK LİSANS ALAN DERSİ, Postgraduate, 2016 - 2017  
5950005 DOKTORA UZMANLIK ALAN DERSİ, Doctorate, 2016 - 2017  
Differential Equations, Undergraduate, 2017 - 2018  
Numerical Analysis, Undergraduate, 2016 - 2017  
MAT-101 MATEMATİK 1, Undergraduate, 2016 - 2017  
Differential Equations, Undergraduate, 2016 - 2017  
Differential Equations, Undergraduate, 2016 - 2017

## Advising Theses

DİNLEMEZ KANTAR Ü., Investigation Of The Asymptotic Behavior Of Generalized Baskakov-Durrmeyer-Stancu Type Operators, Postgraduate, M.MERCAN(Student), 2021  
DİNLEMEZ KANTAR Ü., Voronovskaja Type Approximation Theorem For Bernstein-Durrmeyer-Stancu Operators, Postgraduate, G.ERGELEN(Student), 2019  
DİNLEMEZ KANTAR Ü., On Lyapunov Type Inequalities In Sobolev Spaces, Doctorate, T.ÖZDEN(Student), 2017  
DİNLEMEZ KANTAR Ü., The Global Solutions And Blow Up Solutions Of The Certain Riser Problems, Postgraduate, A.BİLİCİ(Student), 2015  
DİNLEMEZ KANTAR Ü., Belirli bazı lineer olmayan dalga denklemlerinin yerel olmayan çözümleri ve çözümlerin sonlu zamanda, Postgraduate, S.NABDEL(Student), 2015  
DİNLEMEZ KANTAR Ü., The global solutions of some nonlinear equations and blow up the solutions in finite time, Postgraduate, E.AKTAŞ(Student), 2013  
DİNLEMEZ KANTAR Ü., On the existence and uniqueness of solutions of nonlinear wave equations with damping and source terms and blow up of the solutions in finite time, Postgraduate, E.BOLAT(Student), 2012  
DİNLEMEZ KANTAR Ü., On existence and uniqueness of the brinkmanforchheimer equations solutions and continuous dependence on forchheimer and darcy coefficients of the Brinkman-Forchheimer equations, Postgraduate, O.YEŞİLOVA(Student), 2012  
DİNLEMEZ KANTAR Ü., Steady state solution for the weakly damped forced korteweg-de vries, Postgraduate, M.UZ(Student), 2011  
DİNLEMEZ KANTAR Ü., Lineer olmayan dalga denkleminin yerel olmayan çekicisinin varlığı için etkin bir metod, Postgraduate, G.KATIPOĞLU(Student), 2009

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

1. On the Properties of the Modified  $\lambda$ -Bernstein-Stancu Operators  
Lin Z., Torun G., Kangal E., DİNLEMEZ KANTAR Ü., Cai Q.

SYMMETRY-BASEL, vol.16, no.10, 2024 (SCI-Expanded)

- II. **Approximation Properties of Generalized  $\lambda$ -Bernstein-Stancu-Type Operators**  
Cai Q., Torun G., DİNLEMEZ KANTAR Ü.  
JOURNAL OF MATHEMATICS, vol.2021, 2021 (SCI-Expanded)
- III. **Approximation properties for the genuine modified Bernstein-Durrmeyer-Stancu operators**  
Cai Qing-bo C. Q., Kantar Ü., ÇEKİM B.  
APPLIED MATHEMATICS-A JOURNAL OF CHINESE UNIVERSITIES SERIES B, vol.35, no.4, pp.468-478, 2020 (SCI-Expanded)
- IV. **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)
- V. **Convergence of the  $q$ -Stancu-Szasz-Beta type operators**  
Dinlemez Ü.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2014 (SCI-Expanded)
- VI. **Properties of the far-field operator for a multilayered scatterer in acoustic scattering theory**  
Dinlemez Ü., Torun G.  
JOURNAL OF MATHEMATICAL PHYSICS, vol.50, no.5, 2009 (SCI-Expanded)
- VII. **Properties of the far field operator in the inverse conductive scattering problem**  
Torun G., Ates Ü.  
APPLIED MATHEMATICS AND COMPUTATION, vol.175, no.2, pp.1503-1514, 2006 (SCI-Expanded)
- VIII. **Properties of the far field operator for time harmonic acoustic waves**  
Ates Ü.  
APPLIED MATHEMATICS AND COMPUTATION, vol.174, no.2, pp.1206-1215, 2006 (SCI-Expanded)
- IX. **Eigenvalues of the far field operator for time harmonic acoustic waves by an inhomogeneous medium and inverse scattering theory**  
Ates Ü., Anar I.  
APPLIED MATHEMATICS AND COMPUTATION, vol.158, no.3, pp.835-851, 2004 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Voronovskaya type approximation theorem for modified Bernstein-Durrmeyer-Stancu operators**  
ALTUN M. H., KANTAR Ü. D.  
Gazi Üniversitesi Fen Fakültesi dergisi (Online), vol.5, no.2, pp.131-148, 2024 (Peer-Reviewed Journal)
- II. **A Voronovskaja-Type Theorem for a Kind of Durrmeyer-Bernstein-Stancu Operators**  
DİNLEMEZ KANTAR Ü., Ergelen G.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.32, no.4, pp.1228-1236, 2019 (ESCI)

## Books & Book Chapters

- I. **Sobolev Uzayları ve ve Eliptik Sınır Değer Problemlerine Giriş**  
KAYA M., DİNLEMEZ KANTAR Ü.  
Palme, 2018
- 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. **INVESTIGATION OF THE ASYMPTOTIC BEHAVIOR OF GENERALIZED BASKAKOV-DURRMEYER-STANCU TYPE OPERATORS**  
Dinlemez Kantar Ü., Mercan Boyraz M.  
EURO ASIA 7th. INTERNATIONAL CONGRESS ON APPLIED SCIENCES, Trabzon, Turkey, 21 - 22 August 2020, pp.354-355
- II. **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
- III. **Lyapunov-type inequalities for quasilinear elliptic equations with Robin boundary condition**  
Özden T., DİNLEMEZ KANTAR Ü.  
IV.Kadın Matematikçiler Derneği Çalıştayı, Ankara, Turkey, 28 - 29 April 2017
- IV. **On approximation of Baskakov Durrmeyer type operators of two variables**  
YÜKSEL İ., DİNLEMEZ KANTAR Ü., ALTIN B.  
AMAT2015, 10 October 2016
- V. **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
- VI. **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
- VII. **Convergence of the q Stancu Szasz beta type operators**  
DİNLEMEZ Ü.  
II.Kadın Matematikçiler Derneği Çalıştayı, Turkey, 1 - 03 May 2015
- VIII. **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
- IX. **Global and Blow up solutions for a nonlinear hyperbolic equations with initial boundary conditions**  
DİNLEMEZ Ü.  
1. Kadın Matematikçiler Derneği Çalıştayı, Turkey, 2 - 04 May 2014
- X. **q Hibrit toplamsal integral tipli operatörlerin yaklaşımı üzerine**  
DİNLEMEZ Ü., YÜKSEL İ.  
26. Ulusal Matematik Sempozyumu, Turkey, 4 - 07 September 2013
- XI. **Global Existence Uniqueness of weak solutions and determining functionals for nonlinear wave equations**  
DİNLEMEZ Ü.  
IECMSA-2013, Sarajevo, Bosnia And Herzegovina, 26 - 29 August 2013
- XII. **Structural stability for nonlinear shallow water waves**  
DİNLEMEZ Ü., ÇELEBİ A. O.  
International Society for Analysis Its Applications and Computation, 13 - 18 August 2007
- XIII. **Zaman Harmonik Akustik Dalgalar için Uzak alan operatörünün özellikleri**  
DİNLEMEZ Ü.  
1. Ankara Matematik Çalıştayı, Turkey, 1 - 02 June 2006
- XIV. **Homojen olmayan bir ortamda akustik dalgaları**  
DİNLEMEZ Ü.  
16. Ulusal Matematik Sempozyumu, Turkey, 10 - 12 September 2003

## Other Publications

- I. **Global and Blow-Up Solutions for Nonlinear Hyperbolic Equations with Initial-Boundary Conditions**

Dinlemez Kantar Ü.  
Other, pp.1-6, 2014

## **Scientific Refereeing**

Cumhuriyet Science Journal, National Scientific Refreed Journal, September 2020

Ikonion Journal of Mathematics, Other Indexed Journal, September 2019

SAKARYA UNİVERSİTY JOURNAL OF SCİENCE, National Scientific Refreed Journal, September 2019

Cumhuriyet Science Journal, National Scientific Refreed Journal, January 2019

MATHEMATICAL METHODS IN THE APPLIED SCIENCES, Journal Indexed in SCI-E, February 2018

FILOMAT, SCI Journal, February 2018

Commun. Fac. Sci. Univ. Ank. Ser. A1., Journal Indexed in ESCI, February 2017

## **Metrics**

Publication: 45

Citation (WoS): 32

Citation (Scopus): 22

H-Index (WoS): 3

H-Index (Scopus): 3