

Doç.Dr. ABDÜLKADİR DOĞAN

Kişisel Bilgiler

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Eğitim Bilgileri

Post Doktora, The University of Tennessee at Chattanooga, Fen Bilimleri Enstitüsü, Matematik, Amerika Birleşik Devletleri 2009 - 2009

Post Doktora, University of Leicester, Fen Bilimleri Enstitüsü, Matematik, Birleşik Krallık 2001 - 2001

Doktora, University of Wales, Bangor, Bilgisayar Bilimleri Fakültesi, Uygulamalı Matematik, Birleşik Krallık 1994 - 1997

Yüksek Lisans, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, Türkiye 1989 - 1993

Lisans, Hacettepe Üniversitesi, Fen Fakültesi, Matematik, Türkiye 1984 - 1988

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Petrov Galerkin Finite Element Methods, University of Wales, Bangor, Applied Mathematics, Mathematics, 1997

Yüksek Lisans, Klasik Fuzzy Ölçümleri ve Sugeno Fuzzy Ölçümleri Arasındaki İlişkiler, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, 1993

Araştırma Alanları

Matematik, Diferansiyel denklemler, Sayısal Analiz, Temel Bilimler

Akademik Unvanlar / Görevler

Doç.Dr., Abdullah Gül Üniversitesi, Bilgisayar Bilimleri Fakültesi, Matematik, 2012 - Devam Ediyor

Akademik İdari Deneyim

Bölüm Başkanı, Abdullah Gül Üniversitesi, Bilgisayar Bilimleri Fakültesi, Matematik, 2012 - 2015

Anabilim/Bilim Dalı Başkanı, Niğde Ömer Halisdemir Üniversitesi, Fen -Edebiyat Fakültesi, Matematik, 2005 - 2008

Verdiği Dersler

Differential Equations, , Lisans, 2022 - 2023

Differential Equations , Lisans, 2022 - 2023
Numerical Analysis with Engineering Applications, Lisans, 2021 - 2022
Differential Equations , Lisans, 2022 - 2023
Differential Equations , Lisans, 2022 - 2023
Mathematical Methods for Engineering Applications, Lisans, 2021 - 2022
Numerical Analysis with Engineering Applications, Lisans, 2021 - 2022
Differential Equations, Lisans, 2016 - 2017
Discrete Mathematics, Lisans, 2016 - 2017
Introductory Calculus, Lisans, 2016 - 2017
Advanced Engineering Mathematics, Yüksek Lisans, 2015 - 2016
Advanced Engineering Mathematics, Yüksek Lisans, 2013 - 2014

Yönetilen Tezler

Doğan A., Zaman skalası üzerine lineer olmayan dinamik denklemler için m-noktalı sınır değer problemlerinin çözümleri, Yüksek Lisans, A.Kaya(Öğrenci), 2011
Doğan A., Burgers denklemlerinin sayısal çözümü, Yüksek Lisans, M.Gülbahar(Öğrenci), 2007
Doğan A., Galerkin sonlu eleman metoduyla kısmi diferansiyel denklemlerin çözümleri, Yüksek Lisans, S.Güleç(Öğrenci), 2007
Doğan A., Düzenli uzun dalga denkleminin nümerik çözümü, Yüksek Lisans, Ş.AYDIN(Öğrenci), 2007
Doğan A., En küçük kareler metoduyla kısmi diferansiyel denklemlerin nümerik çözümü, Yüksek Lisans, E.Yıldırım(Öğrenci), 2005
Doğan A., Bazı kısmi türevli diferansiyel denklemlerin sayısal çözümleri, Yüksek Lisans, N.Ocak(Öğrenci), 2004

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Existence results for a class of boundary value problems for fractional differential equations**
DOĞAN A.
TURKISH JOURNAL OF MATHEMATICS, cilt.45, sa.3, ss.1149-1165, 2021 (SCI-Expanded)
- II. **Positive Solutions of a Three-Point Boundary-Value Problem for the p-Laplacian Dynamic Equation on Time Scales**
Dogan A.
UKRAINIAN MATHEMATICAL JOURNAL, cilt.72, sa.6, ss.917-934, 2020 (SCI-Expanded)
- III. **Existence of positive solutions for nonlinear multipoint p-Laplacian dynamic equations on time scales**
DOĞAN A.
TURKISH JOURNAL OF MATHEMATICS, cilt.44, sa.3, ss.676-697, 2020 (SCI-Expanded)
- IV. **Solutions to nonlinear second-order three-point boundary value problems of dynamic equations on time scales**
DOĞAN A.
TURKISH JOURNAL OF MATHEMATICS, cilt.43, sa.3, ss.1276-1295, 2019 (SCI-Expanded)
- V. **Positive solutions of nonlinear multi-point boundary value problems**
DOĞAN A.
POSITIVITY, cilt.22, sa.5, ss.1387-1402, 2018 (SCI-Expanded)
- VI. **POSITIVE SOLUTIONS OF THE p-LAPLACIAN DYNAMIC EQUATIONS ON TIME SCALES WITH SIGN CHANGING NONLINEARITY**
DOĞAN A.
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, 2018 (SCI-Expanded)
- VII. **On the existence of positive solutions of the p-Laplacian dynamic equations on time scales**

- DOĞAN A.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.40, sa.12, ss.4385-4399, 2017 (SCI-Expanded)
- VIII. **TRIPLE POSITIVE SOLUTIONS OF m -POINT BOUNDARY VALUE PROBLEM ON TIME SCALES WITH p -LAPLACIAN**
DOĞAN A.
BULLETIN OF THE IRANIAN MATHEMATICAL SOCIETY, cilt.43, sa.2, ss.373-384, 2017 (SCI-Expanded)
- IX. **EIGENVALUE PROBLEMS FOR SINGULAR MULTI-POINT DYNAMIC EQUATIONS ON TIME SCALES**
DOĞAN A.
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, 2017 (SCI-Expanded)
- X. **Eigenvalue problems for nonlinear third-order m -point p -Laplacian dynamic equations on time scales**
DOĞAN A.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.39, sa.7, ss.1634-1645, 2016 (SCI-Expanded)
- XI. **Multiple positive solutions of nonlinear m -point dynamic equations for p -Laplacian on time scales**
DOĞAN A.
TURKISH JOURNAL OF MATHEMATICS, cilt.40, sa.5, ss.941-959, 2016 (SCI-Expanded)
- XII. **THE EXISTENCE OF POSITIVE SOLUTIONS FOR A SEMIPOSITONE SECOND-ORDER m -POINT BOUNDARY VALUE PROBLEM**
DOĞAN A.
DYNAMIC SYSTEMS AND APPLICATIONS, cilt.24, sa.4, ss.419-427, 2015 (SCI-Expanded)
- XIII. **On the existence of positive solutions for the second-order boundary value problem**
Dogan A.
APPLIED MATHEMATICS LETTERS, cilt.49, ss.107-112, 2015 (SCI-Expanded)
- XIV. **ON THE EXISTENCE OF POSITIVE SOLUTIONS FOR THE ONE-DIMENSIONAL p -LAPLACIAN BOUNDARY VALUE PROBLEMS ON TIME SCALES**
DOĞAN A.
DYNAMIC SYSTEMS AND APPLICATIONS, cilt.24, sa.3, ss.295-303, 2015 (SCI-Expanded)
- XV. **TRIPLE POSITIVE SOLUTIONS FOR m -POINT BOUNDARY-VALUE PROBLEMS OF DYNAMIC EQUATIONS ON TIME SCALES WITH p -LAPLACIAN**
Dogan A.
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, 2015 (SCI-Expanded)
- XVI. **Existence of Countably Many Positive Solutions for Nonlinear Boundary Value Problems on Time Scales**
Dogan A.
APPLIED MATHEMATICS & INFORMATION SCIENCES, cilt.8, sa.5, ss.2177-2187, 2014 (SCI-Expanded)
- XVII. **EXISTENCE OF POSITIVE SOLUTIONS FOR p -LAPLACIAN AN m -POINT BOUNDARY VALUE PROBLEM INVOLVING THE DERIVATIVE ON TIME SCALES**
Dogan A.
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, 2014 (SCI-Expanded)
- XVIII. **Existence of multiple positive solutions for p -Laplacian multipoint boundary value problems on time scales**
Dogan A.
ADVANCES IN DIFFERENCE EQUATIONS, 2013 (SCI-Expanded)
- XIX. **EXISTENCE OF THREE POSITIVE SOLUTIONS FOR AN m -POINT BOUNDARY-VALUE PROBLEM ON TIME SCALES**
Dogan A.
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, 2013 (SCI-Expanded)
- XX. **HIGHER-ORDER SINGULAR MULTI-POINT BOUNDARY-VALUE PROBLEMS ON TIME SCALES**
DOĞAN A., Graef J. R., Kong L.
PROCEEDINGS OF THE EDINBURGH MATHEMATICAL SOCIETY, cilt.54, ss.345-361, 2011 (SCI-Expanded)
- XXI. **Higher order semipositone multi-point boundary value problems on time scales**

- Dogan A., Graef J. R., Kong L.
COMPUTERS & MATHEMATICS WITH APPLICATIONS, cilt.60, sa.1, ss.23-35, 2010 (SCI-Expanded)
- XXII. **Numerical integration of the RLW equation using cubic splines**
Irk D., Dag W., Dogan A.
ANZIAM JOURNAL, cilt.47, ss.131-142, 2005 (SCI-Expanded)
- XXIII. **Application of Galerkin's method to equal width wave equation**
DOĞAN A.
APPLIED MATHEMATICS AND COMPUTATION, cilt.160, sa.1, ss.65-76, 2005 (SCI-Expanded)
- XXIV. **A Galerkin finite element approach to Burgers' equation**
DOĞAN A.
APPLIED MATHEMATICS AND COMPUTATION, cilt.157, sa.2, ss.331-346, 2004 (SCI-Expanded)
- XXV. **Galerkin method for the numerical solution of the RLW equation using quadratic B-splines**
Saka B., Dag I., DOĞAN A.
INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS, cilt.81, sa.6, ss.727-739, 2004 (SCI-Expanded)
- XXVI. **Numerical investigation of heat and mass transfer in a metal hydride bed**
DOĞAN A., Kaplan Y., Veziroğlu T. N.
APPLIED MATHEMATICS AND COMPUTATION, cilt.150, sa.1, ss.169-180, 2004 (SCI-Expanded)
- XXVII. **B-spline collocation methods for numerical solutions of the RLW equation**
Dag I., DOĞAN A., Saka B.
INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS, cilt.80, sa.6, ss.743-757, 2003 (SCI-Expanded)
- XXVIII. **Numerical solution of RLW equation using linear finite elements within Galerkin's method**
DOĞAN A.
APPLIED MATHEMATICAL MODELLING, cilt.26, sa.7, ss.771-783, 2002 (SCI-Expanded)
- XXIX. **Numerical solution of regularized long wave equation using Petrov-Galerkin method**
DOĞAN A.
COMMUNICATIONS IN NUMERICAL METHODS IN ENGINEERING, cilt.17, sa.7, ss.485-494, 2001 (SCI-Expanded)
- XXX. **A Petrov-Galerkin finite element scheme for Burgers' equation**
Gardner L. R., Gardner G., DOĞAN A.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.22, ss.99-109, 1997 (SCI-Expanded)
- XXXI. **A least-squares finite element scheme for the RLW equation**
Gardner L. R., Gardner G., DOĞAN A.
COMMUNICATIONS IN NUMERICAL METHODS IN ENGINEERING, cilt.12, sa.11, ss.795-804, 1996 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Positive solutions of multipoint ϕ -Laplacian BVPs with first-order derivative dependence**
Bachouche K., Tair H., DOĞAN A.
Asian-European Journal of Mathematics, cilt.16, sa.6, 2023 (ESCI)
- II. **Existence of positive solutions to multi-point third order problems with sign changing nonlinearities**
DOĞAN A., Graef J. R.
ACTA ET COMMENTATIONES UNIVERSITATIS TARTUENSIS DE MATHEMATICA, cilt.24, sa.1, ss.109-129, 2020 (ESCI)
- III. **Three positive solutions of a three-point boundary value problem for the p-Laplacian dynamic equation on time scales**
DOĞAN A.
Communications in Optimization Theory, ss.1-13, 2018 (Hakemli Dergi)
- IV. **On the existence of positive solutions for nonlinear three-point boundary value problem**
DOĞAN A.
Communications in Optimization Theory, 2018 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Existence criteria of three positive solutions to boundary value problems for p Laplacian dynamic equations on time scales**
DOĞAN A.
3rd International Conference on Recent Advances in Pure and Applied Mathematics, 19 - 23 Mayıs 2016
- II. **On the existence of positive solutions for nonlinear three point boundary value problem**
DOĞAN A.
2nd International Conference on Analysis and its Applications, 12 - 15 Temmuz 2016

Desteklenen Projeler

Doğan A., Diğer Resmi Kurumlarca Desteklenen Proje, Sonlu Eleman Methodları, 2002 - 2004

Bilimsel Hakemlikler

Journal of Inequalities and Applications, SCI Kapsamındaki Dergi, Mayıs 2018
Electronic Journal of Differential Equations, SCI Kapsamındaki Dergi, Ekim 2017
Advances in Difference Equations, SCI Kapsamındaki Dergi, Şubat 2017
Dynamics of Continuous, Discrete and Impulsive Systems Series A Mathematical Analysis, SCI Kapsamındaki Dergi, Ağustos 2016
Boundary Value problems, SCI Kapsamındaki Dergi, Mayıs 2016
Bulletin of Iranian Mathematical Society, SCI Kapsamındaki Dergi, Mart 2015
Advances in Difference Equations, SCI Kapsamındaki Dergi, Mayıs 2014
Advances in difference Equations, SCI Kapsamındaki Dergi, Mart 2014
Computers and Mathematics with Applications, SCI Kapsamındaki Dergi, Haziran 2010
Applied Mathematical Modelling, SCI Kapsamındaki Dergi, Şubat 2010
Applied Mathematics and Computation, SCI Kapsamındaki Dergi, Mayıs 2005
Journal of Computational and Applied Mathematics, SCI Kapsamındaki Dergi, Mart 2004

Metrikler

Yayın: 37
Atıf (WoS): 604
Atıf (Scopus): 655
H-İndeks (WoS): 12
H-İndeks (Scopus): 12

Kongre ve Sempozyum Katılımı Faaliyetleri

International Conference on Differential&Difference Equations and Applications 2019,July 1-5,2019,Lisbon,Portugal,
Davetli Konuşmacı, Lisbon, Portekiz, 2019
2 nd International Conference of Analysis and its Applications,July 12-15,2016 at Ahi Evran University,Kırşehir, Davetli
Konuşmacı, Kırşehir, Türkiye, 2016
The 3rd International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM2016),19-23 May
2016,Bodrum-Muğla,Turkey, Davetli Konuşmacı, Muğla, Türkiye, 2016
International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM2014), 6-9 November 2014,
Antalya, Turkey, Davetli Konuşmacı, Antalya, Türkiye, 2014

10th AIMS International Conference on Dynamical Systems,Differential Equations and Applications,July 7-11,2014,Madrid,Spain, Davetli Konuşmacı, Madrid, İspanya, 2014

9th AIMS International Conference on Dynamical Systems,Differential Equations and Applications,July 1-5,2012,Orlando,Florida,USA, Davetli Konuşmacı, Florida, Amerika Birleşik Devletleri, 2012

8th AIMS International Conference on Dynamical Systems, Differential Equations and Applications,May 25-28, 2010 Dresden, Germany, Davetli Konuşmacı, Dresden, Almanya, 2010

Applications of Time Scales to Biology,Economics and Engineering, American Mathematical Society in San Francisco, CA, January 13-16,2010, California,USA, Davetli Konuşmacı, California, Amerika Birleşik Devletleri, 2010

4th International Conference of Applied Mathematics and Computing,August 12-18, 2007, Plovdiv, Bulgaria, Davetli Konuşmacı, Plovdiv, Bulgaristan, 2007

Erasmus Teaching Mobility, June 2007, Slovakia, Davetli Konuşmacı, Trnava, Slovakya, 2007

Burslar

Post doktora, Üniversite, 2009 - 2009

Post doktora, NATO, 2001 - 2001

Doktora bursu, Üniversite, 1993 - 1997

Lisans bursu, Özel Kurum ve Organizasyonlar, 1986 - 1988