

Prof. NURİ ÖZALP



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International Researcher IDs

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Publons / Web Of Science ResearcherID: H-9453-2017

Yoksis Researcher ID: 35165

Education Information

Doctorate, University of Louisiana at Lafayette, Mathematics, United States Of America

1988 - 1993

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Yl) (Tezli), Turkey

1983 - 1985

Undergraduate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 1979 -

1983

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Global Existence of Solutions and Quenching for Parabolic Mixed Boundary Value Problem, The University Of Southwestern Louisiana, Matematik, 1993

Postgraduate, alfa-hiperyüzeyleri ve kısmi türevli bir denklem sınıfı için temel çözümler, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Yl) (Tezli), 1985

Academic Titles / Tasks

Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2014 - Continues

Associate Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2008 - 2014

Assistant Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 1994 - 2008

Research Assistant, University of Louisiana at Lafayette, Science, Mathematics, 1989 - 1993

Research Assistant, Ankara University, Fen Fakültesi, Matematik Bölümü, 1984 - 1986

Academic and Administrative Experience

Ankara University, 2017 - 2020

Courses

İleri Programlama, Undergraduate, 2013 - 2014, 2011 - 2012, 2009 - 2010, 2007 - 2008, 2005 - 2006, 2003 - 2004, 2001 - 2002
Matematiksel Modelleme, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009
Monoton İteratif Teknikler, Doctorate, 2013 - 2014
Asimptotik ve Perturbasyon Yöntemler, Postgraduate, 2013 - 2014, 2011 - 2012, 2009 - 2010, 2007 - 2008, 2005 - 2006, 2003 - 2004, 2001 - 2002
Nümerik Analiz, Undergraduate, 2013 - 2014, 2012 - 2013, 2010 - 2011, 2008 - 2009, 2006 - 2007, 2004 - 2005, 2002 - 2003, 2000 - 2001

Advising Theses

ÖZALP N., On some fractional dynamic models, Doctorate, Ö.OZTÜRK(Student), 2018
ÖZALP N., Kesirli basamaktan lineer olmayan bir model üzerine, Doctorate, Y.SOFUOĞLU(Student), 2015
ÖZALP N., Kesirli basamaktan lineer olmayan bir olmayan bir model üzerine, Y.SOFUOĞLU(Student), 2015
ÖZALP N., Bir parabolik denklemin çözümlerinin sönübü, Doctorate, B.SELÇUK(Student), 2014
ÖZALP N., Kesirli basamaktan bir diferensiyel denklem sistemi üzerine, Doctorate, İ.KOCA(Student), 2013
ÖZALP N., Kesirli basamaktan bazı diferensiyel denklem modelleri, Postgraduate, A.LÜLECI(Student), 2011
ÖZALP N., Kesirli basamaktan bir diferensiyel denklem üzerine, Doctorate, E.DEMİRCİ(Student), 2011
ÖZALP N., Kesirli diferensiyel denklemler için monoton yöntemler, Postgraduate, İ.BALTACI(Student), 2009
ÖZALP N., Sonlu elemanlar ile bazı kısmi türevli denklemlerin çözüm algoritmaları, Postgraduate, A.MAHMOOD(Student), 2008
ÖZALP N., Popülasyon modelleri ve uygulamaları, Postgraduate, B.SÜTCÜ(Student), 2008
ÖZALP N., Bazı sınır değer problemleri ve uygulamaları, Postgraduate, S.AÇIKGÖZ(Student), 2007
ÖZALP N., Bazı kısmi türevli denklemler için nümerik algoritmalar, Postgraduate, G.MEHMETLİOĞLU(Student), 2007
ÖZALP N., Isı denklemi için yaklaşım teorisi yöntemleri, Postgraduate, D.KAHYA(Student), 2007
ÖZALP N., Fonksiyon yaklaşımları ve çeşitli bağlayıcı fonksiyonlar, Postgraduate, E.DEMİRCİ(Student), 2005
ÖZALP N., Lineer programlar ve bilgisayar çözümleri, Postgraduate, N.BEYLEM(Student), 2003
ÖZALP N., Matris hesapları içeren bazı problemler için algoritmalar, Postgraduate, G.ALТИNOKLU(Student), 2002
ÖZALP N., Vektör uzayları yöntemleri ile bazı optimizasyon problemleri, Postgraduate, A.BILIKÇI(Student), 2002
ÖZALP N., Bazı matematiksel modellerin yaklaşık çözümleri için monoton iteratif teknikler, Postgraduate, C.KÖSE(Student), 2001

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Fractional analog of a chemical system inspired by Braess' paradox**
Mizrak O. O., ÖZALP N.
COMPUTATIONAL & APPLIED MATHEMATICS, vol.37, no.3, pp.2503-2518, 2018 (SCI-Expanded)
- II. **Fractional Laplace transform method in the framework of the CTIT transformation**
ÖZALP N., Mizrak O. O.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.317, pp.90-99, 2017 (SCI-Expanded)
- III. **QUENCHING BEHAVIOR OF SEMILINEAR HEAT EQUATIONS WITH SINGULAR BOUNDARY CONDITIONS**
Selcuk B., ÖZALP N.
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, vol.2015, 2015 (SCI-Expanded)

- IV. **BLOW UP AND QUENCHING FOR A PROBLEM WITH NONLINEAR BOUNDARY CONDITIONS**
ÖZALP N., Selcuk B.
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, vol.2015, 2015 (SCI-Expanded)
- V. **The quenching behavior of a nonlinear parabolic equation with a singular boundary condition**
ÖZALP N., Selcuk B.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.44, no.3, pp.615-621, 2015 (SCI-Expanded)
- VI. **THE QUENCHING BEHAVIOR OF A SEMILINEAR HEAT EQUATION WITH A SINGULAR BOUNDARY OUTFLUX**
Selcuk B., ÖZALP N.
QUARTERLY OF APPLIED MATHEMATICS, vol.72, no.4, pp.747-752, 2014 (SCI-Expanded)
- VII. **Analysis of a Fractional-Order Couple Model with Acceleration in Feelings**
Koca I., ÖZALP N.
SCIENTIFIC WORLD JOURNAL, 2013 (SCI-Expanded)
- VIII. **A fractional order nonlinear dynamical model of interpersonal relationships**
ÖZALP N., Koca I.
ADVANCES IN DIFFERENCE EQUATIONS, vol.2012, 2012 (SCI-Expanded)
- IX. **On convergence, asymptotic behaviour and computational algorithm of generalized exponential integral functions arising in a radiative transfer**
BAYRAM E., ÖZALP N.
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.113, no.14, pp.1818-1825, 2012 (SCI-Expanded)
- X. **A method for solving differential equations of fractional order**
DEMİRCİ E., ÖZALP N.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.236, no.11, pp.2754-2762, 2012 (SCI-Expanded)
- XI. **Uniform convergence and numerical computation of the Hubbell radiation rectangular source integral**
BAYRAM E., ÖZALP N.
RADIATION PHYSICS AND CHEMISTRY, vol.80, no.12, pp.1312-1315, 2011 (SCI-Expanded)
- XII. **A fractional order SEIR model with vertical transmission**
ÖZALP N., DEMİRCİ E.
MATHEMATICAL AND COMPUTER MODELLING, vol.54, no.1-2, pp.1-6, 2011 (SCI-Expanded)
- XIII. **A FRACTIONAL ORDER SEIR MODEL WITH DENSITY DEPENDENT DEATH RATE**
DEMİRCİ E., ÜNAL A., ÖZALP N.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.40, no.2, pp.287-295, 2011 (SCI-Expanded)
- XIV. **Uniform convergence and computation of the generalized exponential integrals**
ÖZALP N., BAYRAM E.
JOURNAL OF MATHEMATICAL CHEMISTRY, vol.49, no.2, pp.520-530, 2011 (SCI-Expanded)
- XV. **Solutions for a class of iterated singular equations**
Cetinkaya A., ÖZALP N.
PROCEEDINGS OF THE INDIAN ACADEMY OF SCIENCES-MATHEMATICAL SCIENCES, vol.117, no.2, pp.259-265, 2007 (SCI-Expanded)
- XVI. **A computational method for hypersurfaces in terms of gamma function**
ÖZALP N.
APPLIED MATHEMATICS AND COMPUTATION, vol.161, no.3, pp.721-732, 2005 (SCI-Expanded)
- XVII. **Radial solutions of a class of iterated partial differential equations**
ÖZALP N., Cetinkaya A.
CZECHOSLOVAK MATHEMATICAL JOURNAL, vol.55, no.2, pp.531-541, 2005 (SCI-Expanded)
- XVIII. **The Harnack inequalities for nonnegative solutions of an elliptic and ultra-hyperbolic equation**
ÖZALP N., Taşdelen F.
Mathematical and Computational Applications, vol.7, no.3, pp.229-234, 2002 (SCI-Expanded)

Articles Published in Other Journals

- I. **Fractional Order Bilingualism Model Without Conversion from Dominant Unilingual Group to Bilingual Group**
Sofuoğlu Y., ÖZALP N.
DIFFERENTIAL EQUATIONS AND DYNAMICAL SYSTEMS, vol.25, no.1, pp.1-9, 2017 (ESCI)
- II. **Monotone iterative technique for a coupled system of first order differential equations**
DEMİRCİ HAMAMCIOĞLU E., ÖZALP N.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.62, no.2, pp.1-11, 2013 (ESCI)

Books & Book Chapters

- I. **Matematiksel Yöntemler**
ÖZALP N.
Akademi Yayın Hizmetleri, Ankara, 2019
- II. **MATEMATİKSEL MODELLEME**
ÖZALP N.
GAZİ, Ankara, 2015
- III. **Nümerik Analiz Bilimsel Hesaplama Matematiği**
ÖZALP N., DEMİRCİ HAMAMCIOĞLU E.
Gazi Kitabevi, Ankara, 2012

Refereed Congress / Symposium Publications in Proceedings

- I. **Kesirli Basamaktan bir Epidemik Model**
ÖZALP N., ÜNAL A., DEMİRCİ HAMAMCIOĞLU E.
V. Ankara Matematik Günleri Sempozyumu, Ankara, Turkey, 3 - 04 June 2010
- II. **Lineer olmayan başlangıç sınır değer problemleri için monoton iteratif yöntem**
DEMİRCİ HAMAMCIOĞLU E., ÖZALP N.
III. Ankara Matematik Günleri Sempozyumu, Turkey, 22 - 23 May 2008

Metrics

Publication: 25
Citation (WoS): 357
Citation (Scopus): 385
H-Index (WoS): 7
H-Index (Scopus): 7