

Prof. Canan ÇELİK KARAASLANLI

Personal Information

Other Email: math.canancelik@gmail.com

Web: <https://avesis.yildiz.edu.tr/celikcan>

Education Information

Post Doctorate, Tufts University, College Of Art And Sciences, Mathematics, United States Of America 2001 - 2004

Doctorate, Michigan State University, College Of Art And Sciences, Mathematics, United States Of America 1996 - 2001

Post Graduate, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, Turkey 1991 - 1993

Under Graduate, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Matematik, Turkey 1986 - 1991

Dissertations

Doctorate, Solutions to a Nonlinear Heat Equation with Critical Exponent, Michigan State University, Mathematics, 2001

Post Graduate, Numerical Solutions of Hamiltonian Systems in Normal Form., Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, 1993

Research Areas

Mathematics, Differential Equations, Natural Sciences

Academic Titles / Tasks

Professor, Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2017 - Continues

Professor, Bahçeşehir Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2014 - 2017

Associate Professor, Bahçeşehir Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2009 - 2014

Associate Professor, Tobb Ekonomi Ve Teknoloji Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2009 - 2009

Associate Professor, Tobb Ekonomi Ve Teknoloji Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2009 - 2009

Assistant Professor, Tobb Ekonomi Ve Teknoloji Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2005 - 2009

Assistant Professor, Tufts University, School Of Arts And Sciences, Mathematics, 2001 - 2005

Research Assistant, Michigan State University, College Of Arts And Sciences, Mathematics, 1997 - 2001

Research Assistant, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 1991 - 1995

Professional Experience

Head of Ethics Committee, Bahçeşehir Üniversitesi, 2015 - 2017

Head of Department, Bahçeşehir Üniversitesi, 2014 - 2017

Head of ADEK Commission, Bahçeşehir Üniversitesi, 2014 - 2017

Academic Performance D. Board Member, Bahçeşehir Üniversitesi, Fen Bilimleri Enstitüsü, Matematik Ve Uygulamalı Matematik Anabilim Dalı, 2014 - 2017

Head of Department, Bahçeşehir Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2014 - 2017

Deputy Head of Department, Tobb Ekonomi Ve Teknoloji Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2009 - 2009

Advising Theses

- ÇELİK KARAASLANLI C., Reaksiyon Difüzyon Denklemleri için Hof çatallanma ve Kararlılık Analizi, Doctorate, E.Özmen(Student), Continues
- ÇELİK KARAASLANLI C., Bir Tümör-Bağışıklık Modeli için Hopf Çatallanma ve Kararlılık Analizi, Post Graduate, V.Kılıç(Student), 2014
- ÇELİK KARAASLANLI C., Sınır Ağları Modellerinin Matematiksel Analizi, Post Graduate, G.Çebi(Student), 2014
- ÇELİK KARAASLANLI C., Holling-Tanner tipi bir Av-Avcı Modeli için Hopf Çatallanma ve Kararlılık Analizi, Post Graduate, E.Özmen(Student), 2012
- ÇELİK KARAASLANLI C., Genel Gecikmeli bir Diferansiyel Denklemin Hopf Çatallanma Analizi, Post Graduate, H.Akçaoğlu(Student), 2011
- ÇELİK KARAASLANLI C., Dağılımlı Av-Avcı Sisteminde Hopf Çatallanma ve Kararlılık Analizi, Post Graduate, E.Değirmenci(Student), 2011
- ÇELİK KARAASLANLI C., Gecikmeli Av-Avcı Sistemlerinde Hopf Çatallanma ve Kararlılık Analizi, Post Graduate, G.Çekiç(Student), 2009

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **EXISTENCE OF PERIODIC SOLUTION FOR A TUMOR GROWTH MODEL WITH VACCINE INTERACTION**
ÇELİK KARAASLANLI C., Ozarslan N. T.
TOPOLOGICAL METHODS IN NONLINEAR ANALYSIS, vol.55, pp.37-49, 2020 (Journal Indexed in SCI)
- II. **Bifurcation analysis of a logistic predator-prey system with delay**
Celik C., Cekic G.
ANZIAM Journal, vol.57, pp.445-460, 2016 (Journal Indexed in SCI)
- III. **Stability and Hopf Bifurcation in a delayed ratio dependent Holling-Tanner type model**
ÇELİK KARAASLANLI C.
Applied Mathematics and Computation, vol.255, pp.228-237, 2015 (Journal Indexed in SCI)
- IV. **Hopf bifurcation analysis of a system of coupled delayed-differential equations**
Celik C., Merdan H.
APPLIED MATHEMATICS AND COMPUTATION, vol.219, pp.6605-6617, 2013 (Journal Indexed in SCI)
- V. **Hopf bifurcation analysis of a general non-linear differential equation with delay**
Akkocaoglu H., Merdan H., Celik C.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.237, pp.565-575, 2013 (Journal Indexed in SCI)
- VI. **Dynamical behavior of a ratio dependent predator-prey system with distributed delay**
Celik C.
Discrete and Continuous Dynamical Systems - Series B, vol.16, pp.719-738, 2011 (Journal Indexed in SCI)
- VII. **Hopf bifurcation of a ratio-dependent predator-prey system with time delay**
Celik C.
CHAOS SOLITONS & FRACTALS, vol.42, pp.1474-1484, 2009 (Journal Indexed in SCI)
- VIII. **Allee effect in a discrete-time predator-prey system**
Celik C., Duman O.
CHAOS SOLITONS & FRACTALS, vol.40, pp.1956-1962, 2009 (Journal Indexed in SCI)
- IX. **Allee effects on population dynamics in continuous (overlapping) case**
Merdan H., Duman O., Akin Ö., Çelik C.
Chaos, Solitons and Fractals, vol.39, pp.1994-2001, 2009 (Journal Indexed in SCI)
- X. **The stability and Hopf bifurcation for a predator-prey system with time delay**
Celik C.
CHAOS SOLITONS & FRACTALS, vol.37, pp.87-99, 2008 (Journal Indexed in SCI)
- XI. **Allee effects on population dynamics with delay**
Celik C., Merdan H., Duman O., Akin O.

CHAOS SOLITONS & FRACTALS, vol.37, pp.65-74, 2008 (Journal Indexed in SCI)

XII. No local L-1 solution for a nonlinear heat equation

Celik C., Zhou Z.

COMMUNICATIONS IN PARTIAL DIFFERENTIAL EQUATIONS, vol.28, pp.1807-1831, 2003 (Journal Indexed in SCI)

Articles Published in Other Journals

I. Stability and hopf bifurcation of a predator-prey model with discrete and distributed delays

Çelik C., Degirmenci E.

Journal of Applied Nonlinear Dynamics, vol.5, pp.73-91, 2016 (Refereed Journals of Other Institutions)

II. Dynamical Analysis of a Ratio Dependent Holling-Tanner Type Predator-Prey Model with Delay

Çelik Karaaslanlı C.

Journal of Applied Functional Analysis, vol.8, pp.194-213, 2013 (Refereed Journals of Other Institutions)

Books & Book Chapters

I. Solutions of Nonlinear Parabolic Differential Equations

Çelik Karaaslanlı C., Çelik Karaaslanlı C.

LAP LAMBERT Academic Publishing, Bergisch Gladbach, 2012

II. Bifurcation Analysis and Its Applications

Çelik Karaaslanlı C.

in: Numerical Simulation - From Theory to Industry, Mykhaylo Andriychuk, Editor, Intech, London, pp.3-34, 2012

Refereed Congress / Symposium Publications in Proceedings

I. Stability analysis of a population dynamics model with Allee effect

Celik C.

World Congress on Engineering and Computer Science (WCECS 2007), San-Francisco, Costa Rica, 24 - 26 October 2007, pp.7-11

Supported Projects

ÇELİK KARAASLANLI C., TUBITAK Project, Bir Kanser-Bağışıklık Modelinin İmmünoterapi Etkisi Altındaki Dinamiği, 2017 - 2018

Citations

Total Citations (WOS):216

h-index (WOS):9