

## Prof. FATMA BOZKURT YOUSEF

### Personal Information

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**Web:** <https://Erciyes Üniversitesi>

### International Researcher IDs

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Yoksis Researcher ID: 184168

### Education Information

Post Doctorate, United Arab Emirates University, Fen Fakültesi, Matematik, United Arab Emirates 2014 - 2015

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Matematik/Uygulamalı Matematik, Turkey 2006 - 2010

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Ortaöğretim Fen Matematik Alanlarında Yüksek Lisans, Turkey 2002 - 2005

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Matematik/Uygulamalı Matematik, Turkey 2002 - 2005

Undergraduate, Erciyes University, Fen Fakültesi, Matematik, Turkey 1998 - 2002

### Foreign Languages

English, B2 Upper Intermediate

German, C1 Advanced

### Dissertations

Doctorate, POPÜLASYON MODELLERİNDE DİFEANSİYEL VE FARK DENKLEMLERİ İÇİN KARARLILIK ANALİZİ, Erciyes Üniversitesi, Uygulamalı Matematik, 2010

Postgraduate, BAZI FARK DENKLEMLERİN ÇÖZÜMLERİNİN PERİYODİK KARAKTERLERİ, Erciyes Üniversitesi, Matematik, Uygulamalı Matematik, 2005

### Research Areas

Basic Sciences, Mathematics, Differential Equations

### Academic Titles / Tasks

Professor, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2020 - Continues

Associate Professor, Erciyes University, Eğitim Fakültesi, Temel Eğitim, 2014 - 2020

Assistant Professor, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2010 - 2014

Research Assistant, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2005 - 2010

## Courses

Calculus II, Undergraduate, 2019 - 2020, 2018 - 2019  
Linear Algebra, Undergraduate, 2019 - 2020  
Calculus I, Undergraduate, 2019 - 2020, 2018 - 2019  
Genel Matematik II, Undergraduate, 2017 - 2018, 2015 - 2016, 2013 - 2014, 2012 - 2013  
Tez Danışmanlığı, Postgraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014, 2012 - 2013, 2011 - 2012  
Genel Matematik I, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014, 2012 - 2013  
Uzmanlık Alan Dersi, Postgraduate, 2016 - 2017, 2013 - 2014, 2012 - 2013, 2011 - 2012  
Temel Matematik, Undergraduate, 2015 - 2016, 2013 - 2014, 2012 - 2013  
Öğretmenlik Uygulaması, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012  
Biyo-Matematik ve Uygulamaları II, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012  
Analitik Geometri II, Undergraduate, 2011 - 2012, 2010 - 2011  
Diferansiyel Denklemler, Undergraduate, 2011 - 2012  
Ders Danışmanlığı, Postgraduate, 2012 - 2013  
Lineer Cebir I, Undergraduate, 2012 - 2013, 2011 - 2012  
İstatistik ve Olasılık I, Undergraduate, 2012 - 2013, 2011 - 2012  
İstatistik ve Olasılık II, Undergraduate, 2011 - 2012  
Cebire Giriş, Undergraduate, 2010 - 2011  
Analitik Geometri I, Undergraduate, 2010 - 2011

## Advising Theses

Bozkurt Yousef F., MESLEK LİSELERİNDE STEAM ÇALIŞMASININ MATEMATİK DERSİNE ETKİSİNİN İNCELENMESİ, Postgraduate, M.Atalay(Student), 2019  
Bozkurt Yousef F., STEAM ETKİNLİKLERİ İLE 7. SINIF ÖĞRENCİLERİNİN BAŞARI VE TUTUMLARINDAKİ DEĞİŞİMİN CİNSİYETE GÖRE ANALİZİ, Postgraduate, Y.Bozkurt(Student), 2019  
BOZKURT YOUSEF F., SI (duyarlı-enfekte) epidemik hastalıkların matematiksel modellemeleri ve kararlılık analizi, Postgraduate, F.Peker(Student), 2013

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

- I. **A mathematical model of mobility-related infection and vaccination in an epidemiological case**  
Bozkurt F., Baleanu D., BİLGİL H.  
COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING, 2024 (SCI-Expanded)
- II. **An Analysis of a Fractional-Order Model of Colorectal Cancer and the Chemo-Immunotherapeutic Treatments with Monoclonal Antibody**  
Alhajraf A., Yousef A., Bozkurt F.  
Mathematics, vol.11, no.10, 2023 (SCI-Expanded)
- III. **Stability analysis and simulation of the novel Coronavirus mathematical model via the Caputo fractional-order derivative: A case study of Algeria**  
Moussa Y. E. H., Boudaoui A., Ullah S., Bozkurt F., Abdeljawad T., Alqudah M. A.  
RESULTS IN PHYSICS, vol.26, 2021 (SCI-Expanded)
- IV. **Modeling and stability analysis of the spread of novel coronavirus disease COVID-19**  
George Maria Selvam A., Alzabut J., Abraham Vianny D., Jacintha M., Yousef F. B.  
International Journal of Biomathematics, vol.14, 2021 (SCI-Expanded)
- V. **Effects of fear in a fractional-order predator-prey system with predator density-dependent prey mortality**  
Bozkurt Yousef F., Yousef A., Majji C.  
Chaos Solitons & Fractals, vol.145, no.2021, pp.1-10, 2021 (SCI-Expanded)
- VI. **Modeling and analysis of an SI 1 I 2 R epidemic model with nonlinear incidence and general**

## **recovery functions of I 1**

Thirthar A., Najji R., Bozkurt Yousef F., Yousef A.

Chaos Solitons & Fractals, vol.145, no.2021, pp.1-9, 2021 (SCI-Expanded)

- VII. **Effect of Weather on the Spread of COVID-19 Using Eigenspace Decomposition**  
Alqudah M. A., Abdeljawad T., Zeb A., Khan I. U., Bozkurt F.  
CMC-COMPUTERS MATERIALS & CONTINUA, vol.69, no.3, pp.3047-3063, 2021 (SCI-Expanded)
- VIII. **Mathematical Modeling of the Immune-Chemotherapeutic Treatment of Breast Cancer under some Control Parameters**  
Yousef A., Bozkurt Yousef F., Abdeljawad T.  
Advances In Difference Equations, vol.1, no.1, pp.1-25, 2020 (SCI-Expanded)
- IX. **Mathematical modeling of breast cancer in a mixed immune-chemotherapy treatment considering the effect of ketogenic diet**  
Yousef F. B., Yousef A., Abdeljawad T., KALINLI A.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.135, no.12, 2020 (SCI-Expanded)
- X. **Analysis of the Outbreak of the Novel Coronavirus COVID-19 Dynamics Model with Control Mechanisms**  
Bozkurt Yousef F., Yousef A., Abdeljawad T.  
Results in Physics, vol.2, pp.1-29, 2020 (SCI-Expanded)
- XI. **Qualitative Analysis of a Fractional Pandemic Spread Model of the Novel Coronavirus (COVID-19)**  
Yousef A., Bozkurt Yousef F., Abdeljawad T.  
Cmc-Computers Materials & Continua, vol.66, no.1, pp.843-869, 2020 (SCI-Expanded)
- XII. **A Mathematical Model of the Evolution and Spread of Pathogenic Coronaviruses from Natural Host to Human Host**  
Bozkurt Yousef F., Yousef A., Baleanu D., Alzabut J.  
Chaos Solitons & Fractals, vol.1, no.1, pp.1-30, 2020 (SCI-Expanded)
- XIII. **Neimark–Sacker bifurcation of a chemotherapy treatment of Glioblastoma multiform (GBM)**  
Bozkurt Yousef F., Yousef A.  
Advances in Difference Equations, vol.397, no.2019, pp.1-25, 2019 (SCI-Expanded)
- XIV. **Bifurcation and Stability Analysis of a System of Fractional-Order Differential Equations for a Plant–Herbivore Model with Allee Effect**  
Yousef A., Bozkurt Yousef F.  
MATHEMATICS, vol.7, no.5, pp.1-18, 2019 (SCI-Expanded)
- XV. **A Gender Research Study about the Interest of High School Students in Turkey to Some Courses and Jobs**  
BOZKURT F.  
WULFENIA, vol.23, pp.84-95, 2016 (SCI-Expanded)
- XVI. **A Population Model of Two-Strains Tumors with Piecewise Constant Arguments,**  
Bozkurt Yousef F., Ozturk I.  
KUWAIT JOURNAL OF SCIENCE, vol.42, no.2, pp.1-15, 2015 (SCI-Expanded)
- XVII. **STABILITY ANALYSIS OF A FRACTIONAL ORDER DIFFERENTIAL EQUATION MODEL OF A BRAIN TUMOR GROWTH DEPENDING ON THE DENSITY**  
BOZKURT F., Abdeljawad T., Hajji M. A.  
APPLIED AND COMPUTATIONAL MATHEMATICS, vol.14, no.1, pp.50-62, 2015 (SCI-Expanded)
- XVIII. **Stability and bifurcation analysis of a mathematical model for tumor-immune interaction with piecewise constant arguments**  
Gurcan F., Kartal Ş., Ozturk I., Bozkurt Yousef F.  
Chaos Solitons & Fractals, vol.68, pp.160-179, 2014 (SCI-Expanded)
- XIX. **Mathematical Modeling and Stability Analysis of the Brain Tumor Glioblastoma Multiforme (GBM)**  
BOZKURT F.  
International Journal of Modelling and Optimization, vol.1, pp.1-5, 2014 (AHCI)
- XX. **Stability Analysis of a Fractional-Order Differential Equation System of a GBM-IS Interaction**

### **Depending on the Density**

BOZKURT F.

APPLIED MATHEMATICS & INFORMATION SCIENCES, vol.8, no.3, pp.1021-1028, 2014 (SCI-Expanded)

- XXI. **Mathematical modelling of HIV epidemic and stability analysis**  
Bozkurt F., Peker F.  
ADVANCES IN DIFFERENCE EQUATIONS, 2014 (SCI-Expanded)
- XXII. **Modeling a Tumor Growth with Piecewise Constant Arguments**  
Bozkurt F.  
DISCRETE DYNAMICS IN NATURE AND SOCIETY, 2013 (SCI-Expanded)
- XXIII. **Stability analysis of a mathematical model in a microcosm with piecewise constant arguments**  
Öztürk I., Bozkurt F., Gürçan F.  
MATHEMATICAL BIOSCIENCES, vol.240, pp.85-91, 2012 (SCI-Expanded)
- XXIV. **Stability analysis of a population model with piecewise constant arguments**  
Öztürk I., Bozkurt F.  
NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS, vol.12, pp.1532-1545, 2011 (SCI-Expanded)
- XXV. **Global stability in a population model with piecewise constant arguments**  
GÜRCAN F., Bozkurt F.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.360, no.1, pp.334-342, 2009 (SCI-Expanded)
- XXVI. **Global asymptotic behavior of the difference equation  $y_{n+1} = \alpha \cdot e^{-y(n)} ((n - k)y_{n-k}) / \beta + ny(n) + (n - k)y(n) - k$**   
Ozturk I., Bozkurt F., Ozen S.  
APPLIED MATHEMATICS LETTERS, vol.22, no.4, pp.595-599, 2009 (SCI-Expanded)
- XXVII. **On the recursive sequence  $y(n+1) = ([a + y(n-1)] / [b + y(n)]) + [y(n-1) / y(n)]$**   
Özen S., Öztürk İ., Bozkurt F.  
Applied Mathematics And Computation, vol.188, no.1, pp.180-188, 2007 (SCI-Expanded)
- XXVIII. **On the difference equation  $y(n+1) = [a + b \cdot \exp(-y(n))] / [c + y(n-1)]$ , Applied Mathematics and Computation**  
Öztürk İ., Bozkurt F., Özen S.  
APPLIED MATHEMATICS AND COMPUTATION, vol.181, no.2, pp.1387-1393, 2006 (SCI-Expanded)

### **Articles Published in Other Journals**

- I. **Flip Bifurcation and Stability Analysis of a Fractional Order Population Dynamics with Allee Effect**  
Bozkurt Yousef F., Yousef A.  
Journal of Interdisciplinary Mathematics, vol.22, no.6, pp.1009-1029, 2019 (Scopus)
- II. **Oscillation and Global Stability of an Impulsive Delay Logistic Equation**  
BOZKURT YOUSEF F., Yousef A.  
INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS & STATISTICS, vol.57, no.6, pp.83-90, 2018 (ESCI)
- III. **Stability and Density Analysis of a Monoclonal Population Growth with Piecewise Constant Arguments**  
BOZKURT F.  
INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS & STATISTICS, vol.57, no.4, pp.70-79, 2018 (ESCI)
- IV. **Hopf bifurcation and stability analysis for a delayed logistic equation**  
BOZKURT F.  
International journal of modeling and optimization, 2016 (Peer-Reviewed Journal)
- V. **Stability Analysis of macrophage-tumor interaction with piecewise constant arguments**  
BOZKURT F., ÖZKÖSE F.  
AIP Publishing, 2015 (Peer-Reviewed Journal)
- VI. **Mathematical Modelling and Stability Analysis of the Brain Tumor Glioblastoma Multiforme GBM**  
BOZKURT F.

- International Journal of Modelling and Optimization, 2014 (Peer-Reviewed Journal)
- VII. **A Mathematical Model of the Brain Tumor Glioblastoma Multiforme (GBM) and the Immune System (IS) Interaction**  
BOZKURT F.  
International Journal of Mathematics and Computation, vol.22, no.1, pp.47-56, 2013 (Peer-Reviewed Journal)
- VIII. **Hopf bifurcation and stability analysis for a delayed logistic equation**  
BOZKURT F.  
International Journal of Modeling and Optimization, vol.3, no.3, pp.288-292, 2013 (Peer-Reviewed Journal)
- IX. **Stability Analysis of a Nonlinear Difference Equation**  
BOZKURT F.  
International Journal of Modern Nonlinear Theory and Applications, vol.2, pp.1-6, 2013 (Peer-Reviewed Journal)
- X. **Stability Analysis of a logistic differential equation with delay**  
BOZKURT F.  
International Journal of Mathematics and Computation, vol.21, no.4, pp.1-14, 2013 (Peer-Reviewed Journal)
- XI. **A mathematical model of the brain tumor GBM and the immune system IS interaction**  
BOZKURT F.  
International Journal of Mathematics and Computation, 2013 (Peer-Reviewed Journal)
- XII. **On the dynamics of the recursive sequence**  
Zengin S., Öztürk İ., Bozkurt F.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.23, no.1, pp.53-59, 2010 (Scopus)
- XIII. **The global behavior on the difference equation**  
BOZKURT F., ÖZTÜRK İ., Özen S.  
Studia Universitatis Babeş-Bolyai Mathematica, vol.2, 2009 (ESCI)

## Books & Book Chapters

- I. **An Introduction to Difference-Differential Equations and Modeling**  
BOZKURT F.  
Lambert Academic Publishing, Saarbrücken, 2013

## Refereed Congress / Symposium Publications in Proceedings

- I. **A STABILITY AND DENSITY ANALYSIS OF A MONOCLONAL POPULATION GROWTH WITH PIECEWISE CONSTANT ARGUMENTS**  
BOZKURT F.  
The 6th Abu Dhabi Annual International Conference, 19 - 21 December 2017
- II. **Complement Courses in STEAM Education for Generation Alpha**  
BOZKURT F.  
The 6th Abu Dhabi University Annual International Conference, 19 - 21 December 2017
- III. **STEAM Activities for Generation Alpha**  
BOZKURT F.  
GESS Turkey, 25 - 28 October 2017
- IV. **Stability and density analysis of GB with piecewise constant arguments**  
BOZKURT F.  
The 4th Abu Dhabi Annual Conference, 22 - 24 December 2015
- V. **Stability Analysis of a fractional order differential equation system of a GBM IS interaction depending on the density**  
BOZKURT F.  
International Conference on Applied Analysis and Mathematical Modeling, 10 - 14 June 2013

- VI. **A mathematical model of the brain tumor GBM IS interaction**  
BOZKURT F.  
International conference of Mathematical science and its applications- Abu Dhabi, 24 - 29 December 2012
- VII. **A fractional order differential equation model of a brain tumor growth**  
BOZKURT F.  
The 2nd Abu Dhabi University Annual International Conference, 28 November - 03 December 2013
- VIII. **A fractional order early brain tumor growth model with density**  
BOZKURT F.  
The 2nd International Eurasian Conference on Mathematical Sciences and Applications, 18 - 23 August 2013
- IX. **Stability Analysis of a mathematical model Interaction between GBM IS**  
BOZKURT F.  
The 2nd International Eurasian Conference on Mathematical Sciences and Applications, 18 - 23 August 2013
- X. **Hopf bifurcation and stability Analysis for a delayed logistic equation**  
BOZKURT F.  
The 2nd International Conference on Pure and Applied Mathematics, 16 - 19 July 2013
- XI. **AIDS epidemisinin matematiksel modellenmei ve kararlılık analizi**  
BOZKURT F., Peker F.  
12. Matematik Sempozyumu, Turkey, 18 - 21 June 2013
- XII. **Mathematical modeling and stability analysis of the brain tumor GBM**  
BOZKURT F.  
3rd International conference on pure and applied mathematics, 9 - 13 June 2013
- XIII. **Stability Analysis of a mathematical model Interaction of the brain tumor GBM and IS**  
BOZKURT F.  
The 11th Math Day, 15 - 18 April 2013
- XIV. **GBM beyin tümörünün yoğunluğuna bağlı kararlılık analizi**  
BOZKURT F., ÖZTÜRK İ.  
11. Matematik Sempozyumu, Turkey, 18 - 21 September 2012
- XV. **Mathematical Modeling of a brain tumor that has two sub populations**  
BOZKURT F., ÖZTÜRK İ.  
10. Matematik Sempozyumu, Turkey, 27 - 30 September 2011
- XVI. **Mathematical Modeling of Epidemic with contact tracing**  
BOZKURT F.  
International Conference on Applied Analysis and Algebra, 18 - 22 June 2012
- XVII. **Mathematical Modeling and stability analysis of a multiforme brain tumor**  
BOZKURT F.  
24. Ulusal Matematik Sempozyumu, Turkey, 16 - 19 August 2011
- XVIII. **Malignant tümör ile vücudun direnç sisteminin iç çekişmesi nin modellenmesi ve bu olayın kararlılık analizi Genç Araştırmacılar kategorisinde davetli konuşmacı**  
BOZKURT F.  
23. Ulusal matematik Sempozyumu, Turkey, 20 - 23 July 2010
- XIX. **Stability Analysis of a Population Model with piecewise Constant Arguments**  
BOZKURT F., ÖZTÜRK İ.  
5. Ankara matematik Günleri, Turkey, 22 - 25 June 2010
- XX. **Modeling a polulation with piecewise constant arguments**  
BOZKURT F.  
TOBB üniversitesi Seminer, Turkey, 16 April 2010

## Supported Projects

BOZKURT YOUSEF F., BOZKURT Y., Project Supported by Higher Education Institutions, STEAM Etkinlikleri ile 7 Sınıf

Öğrencilerin Başarı ve Tutumlarındaki Değişimin Cinsiyete Göre Analizi, 2018 - 2019

BOZKURT YOUSEF F., ATALAY M., Project Supported by Higher Education Institutions, Meslek Liselerinde STEAM Etkinliklerinin Matematik Dersine Yönelik Tutum ve Başarıya Etkisi, 2018 - 2019

BOZKURT YOUSEF F., ŞAHİN A., BENLİ F. B., Project Supported by Higher Education Institutions, Fark Denklem Sistemleri ve Kesirsel Mertebeden Diferansiyel Denklem Sistemleri Yardımıyla Beyin Tümörünün Modellenmesi ve Kararlılık Analizleri, 2016 - 2019

ŞAHİN A., BOZKURT F., BENLİ F. B., Project Supported by Higher Education Institutions, Malignant tümör popülasyonunun vücudun direnç sistemine ve popülasyon yoğunluğuna bağlı matematiksel modellenmesi ve kararlılık analizi, 2016 - 2019

ŞAHİN A., BOZKURT F., BENLİ F. B., KESKİN Ö., PEKER F., Project Supported by Higher Education Institutions, Göğüs kanserinin matematiksel modellenmesi ve kararlılık analizi, 2014 - 2016

BOZKURT YOUSEF F., ATASOY S., BENLİ F. B., Project Supported by Higher Education Institutions, Impulsive Diferansiyel Denklemler ile Popülasyon Modellerinin Kararlılık Analizi, 2014 - 2016

BOZKURT YOUSEF F., BİRDAL H., BENLİ F. B., Project Supported by Higher Education Institutions, Av-Avcı Modellerinin Kesirsel Mertebeden Diferansiyel Denklemler Yardımıyla Kararlılık Analizi, 2014 - 2016

BENLİ F. B., DAŞBAŞI B., BOZKURT F., KESKİN Ö., Project Supported by Higher Education Institutions, Biyolojik Modellerin Fuzzy Başlangıç Değer Problemleri, 2014 - 2016

BOZKURT YOUSEF F., BENLİ F. B., KESKİN Ö., DAŞBAŞI B., ATASOY S., ŞAHİN A., Project Supported by Higher Education Institutions, Kesirsel Mertebeden Diferansiyel Denklemler Teorisi Yardımıyla Malignant Tümör Popülasyonların Kararlılık Analizi, 2014 - 2016

BOZKURT YOUSEF F., TUBITAK Project, Stability Analysis of the Brain Tumor GBM (Glioblastoma Multiforme) with Density, 2014 - 2015

ÖZTÜRK İ., KALINLI A., BOZKURT F., Project Supported by Higher Education Institutions, Tümör popülasyonunda tümör ve vücudun direnç sisteminin iç çekişmesinin matematiksel modellenmesi, kararlılık analizi ve yapay zeka teknikleri kullanılarak değerlendirilmesi, 2011 - 2014

BOZKURT YOUSEF F., PEKER F., BENLİ F. B., Abdeljawad T., Project Supported by Higher Education Institutions, Biyolojik Yapıların Matematiksel Modellenmesi ve Kararlılık Analizi, 2012 - 2013

BOZKURT YOUSEF F., PEKER F., Project Supported by Higher Education Institutions, SI (duyarlı-enfekte) epidemik hastalıkların matematiksel modellemeleri ve kararlılık analizi, 2012 - 2013

BOZKURT YOUSEF F., EKİNCİ S., Project Supported by Higher Education Institutions, Ortaöğretim Öğrencilerinde Sosyalleşme ve İletişim Problemlerinin Öğrenime Yansımalarını Gidermek Amacıyla Akran Öğretiminde Disiplinerarası Etkinlikler, 2011 - 2013

ÖZTÜRK İ., BOZKURT F., Project Supported by Higher Education Institutions, Popülasyon Modellerinde Diferansiyel ve Fark Denklemleri için Kararlılık Analizi, 2009 - 2012

AKSOY Y., BAYAZİT İ., BOZKURT F., AKDAL P., Project Supported by Higher Education Institutions, MATEMATİK ÖĞRETMENLERİNE DİNAMİK GEOMETRİ YAZILIMLARINDAN GEOGEBRA?NİN TANITILMASI VE MATEMATİK DERSLERİNDE KULLANIMLARINI SAĞLAMA, 2009 - 2011

ÖZTÜRK İ., ZENGİN S., BOZKURT F., Project Supported by Higher Education Institutions, RASYONEL FARK DENKLEMLERİNİN GLOBAL DAVRANIŞI, 2009 - 2011

ÖZTÜRK İ., BOZKURT F., ÖZEN S., Project Supported by Higher Education Institutions, NONLİNEER FARK DENKLEMLERİNİN GLOBAL DAVRANIŞLARI, 2007 - 2008

## Activities in Scientific Journals

Journal of Applied Mathematics and Statistics, Editor, 2019 - Continues

## Memberships / Tasks in Scientific Organizations

Matematikçiler Derneği, Member, 2013 - Continues



## Metrics

Publication: 67

Citation (WoS): 105

Citation (Scopus): 86

H-Index (WoS): 6

H-Index (Scopus): 6

## Congress and Symposium Activities

25. 3rd International Conference on Computational Mathematics and Engineering Sciences, Attendee, Girne, Cyprus (Kktc), 2018

Gess-Dubai, Attendee, Dubai, United Arab Emirates, 2018

23. The 6th Abu Dhabi University Annual International Conference: Mathematical Science and its Applications, Attendee, Abu Dhabi, United Arab Emirates, 2017

22. GESS-Turkey, Attendee, İstanbul, Turkey, 2017

21. International Congress on Applied Biological Sciences, Attendee, Sarajevo, Bosnia And Herzegovina, 2016

20. The 4th Abu Dhabi University Annual International Conference: Mathematical Science and its Applications, Attendee, Abu Dhabi, United Arab Emirates, 2015

International Science and Technology Conference (ISTEC), Attendee, Doha, Qatar, 2014

3rd International Conference on Pure and Applied Mathematics, Attendee, Madrid, Spain, 2014

The 2nd Abu Dhabi University Annual International Conference: Mathematical Science and its Applications, Attendee, Abu Dhabi, United Arab Emirates, 2013

2nd International Eurasian Conference on Mathematical Sciences and Applications, Attendee, Sarajevo, Bosnia And Herzegovina, 2013

Hopf Bifurcation and Stability Analysis for a delayed logistic equation, Attendee, Moskova, Russia, 2013

Stability analysis of a fractional-order differential equation system of a GBM-IS interaction depending on the density, Attendee, İstanbul, Turkey, 2013

AIDS epidemisinin matematiksel modellemesi ve kararlılık analizi, 12. Matematik Sempozyumu, Attendee, Ankara, Turkey, 2013

Stability Analysis of a Mathematical Model: Interaction of the Brain Tumor Glioblastoma Multiforme (GBM) and the Immune System (IS), Attendee, Al Ain, United Arab Emirates, 2013

The First workshop on Fractional calculus and its Applications, Attendee, Al Ain, United Arab Emirates, 2013

A mathematical model of the brain tumor GBM and the IS interaction, Attendee, Abu Dhabi, United Arab Emirates, 2012

GBM Tümörünün Matematiksel Modellenmesi ve Tümör Yoğunluğuna Bağlı Kararlılık Analizi, Attendee, Samsun, Turkey, 2012

Mathematical Modeling of Epidemic with Contact Tracing, Attendee, İstanbul, Turkey, 2012

İki popülasyona sahip beyin tümörünün matematiksel modeli, Attendee, İstanbul, Turkey, 2011

Heterojen Yapılı Beyin Tümörlerin Matematiksel Modellenmesi ve Kararlılık Analizi, Attendee, Bursa, Turkey, 2011

Malignant tümör popülasyonunda tümör ve T-lenfosit hücrelerinin iç çekişmesinin matematiksel modellenmesi ve bu modelin kararlılık analizi, Attendee, Kayseri, Turkey, 2010

Sabit Katsayılı ve Tam Değer Fonksiyonlu bir Loistik Diferansiyel Denklemin Kararlılık Analizi, Attendee, Ankara, Turkey, 2010

23. Ulusal Matematik Sempozyumu, Invited Speaker, Kayseri, Turkey, 2010

## Scholarships



2219, TUBITAK, 2014 - 2015

2211 TÜBİTAK Yurt içi doktora burs programı, TUBITAK, 2006 - 2010

### **Non Academic Experience**

Kuwait College of Science and Technology

Erciyas Üniversitesi

Erciyas Üniversitesi Eğitim Fakültesi