

Assoc. Prof. FİGEN KANGALGİL

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: GYA-2119-2022

ScopusID: 24066871900

Yoksis Researcher ID: 56190

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2002 - 2008

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Turkey 1996 - 1999

Undergraduate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 1991 - 1995

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Painleve analizi ile bazı lineer olmayan kısmi türevli denklemlerin integrallenebilirliği ve soliton çözümleri üzerine, Gazi University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2008

Postgraduate, Simetrik grupların gösterimleri, Ankara University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 1999

Research Areas

Mathematics

Academic Titles / Tasks

Associate Professor, Dokuz Eylul University, Bergama Meslek Yüksekokulu, Yönetim ve Organizasyon Bölümü, 2019 - Continues

Assistant Professor, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2009 - 2019

Research Assistant, Gazi University, Fen Fakültesi, Matematik Bölümü, 2002 - 2008

Research Assistant, Sivas Cumhuriyet University, Fen-Edebiyat Fakültesi, Matematik Pr., 1999 - 2003

Research Assistant, Ankara University, Fen Fakültesi, Matematik Bölümü, 1998 - 1999

Research Assistant, Sivas Cumhuriyet University, Fen-Edebiyat Fakültesi, Matematik Pr., 1997 - 1998

Academic and Administrative Experience

Meslek Yüksekokulu Yönetim Kurulu Üyesi, Dokuz Eylül University, Bergama Meslek Yüksekokulu, Yönetim ve Organizasyon Bölümü, 2022 - Continues

Meslek Yüksekokulu Kurulu Üyesi, Dokuz Eylül University, Bergama Meslek Yüksekokulu, Yönetim ve Organizasyon Bölümü, 2020 - Continues

Head of Department, Dokuz Eylül University, Bergama Meslek Yüksekokulu, Yönetim ve Organizasyon Bölümü, 2020 - Continues

Director of Vocational School, Dokuz Eylül University, Bergama Meslek Yüksekokulu, 2021 - 2022

Meslek Yüksekokulu Yönetim Kurulu Üyesi, Dokuz Eylül University, Bergama Meslek Yüksekokulu, Yönetim ve Organizasyon Bölümü, 2020 - 2022

Assistant Director of Vocational School, Dokuz Eylül University, Bergama Meslek Yüksekokulu, Yönetim ve Organizasyon Bölümü, 2020 - 2021

Courses

Calculus 2, Undergraduate, 2023 - 2024

MAT 1010-MATEMATİK II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Mat 2011 Matematik III, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Calculus 1, Undergraduate, 2023 - 2024

MAT2011-MATEMATİK III, Undergraduate, 2023 - 2024

MA1009 Matematik I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

UB1012 İşletme Matematiği, Undergraduate, 2021 - 2022

UB1007-BİLGİSAYAR UYGULAMALARI, Undergraduate, 2022 - 2023

MAT 5000 UZMANLIK ALAN, Postgraduate, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

BRG 1002-MATEMATİK II, Associate Degree, 2020 - 2021

BRG 2001-MESLEK ETİĞİ, Associate Degree, 2020 - 2021

MAT 6000 UZMANLIK ALAN, Doctorate, 2020 - 2021

BİL 1001-TEMEL BİLGİ TEKNOLOJİLERİ, Associate Degree, 2020 - 2021

UZMANLIK ALAN DERSİ, Doctorate, 2019 - 2020

UZMANLIK ALAN DERSİ, Postgraduate, 2019 - 2020

ANT 1012-MATEMATİK-IIÖ, Undergraduate, 2019 - 2020

TDS 1186-Mesleki Bilgisayar II, Associate Degree, 2019 - 2020

TEMEL BİLGİ TEKNOLOJİLERİ (İSG), Associate Degree, 2019 - 2020

ANT 1012-MATEMATİK-IÖ, Undergraduate, 2019 - 2020

TEMEL BİLGİ TEKNOLOJİLERİ (İMO), Associate Degree, 2019 - 2020

MATEMATİK I, Associate Degree, 2019 - 2020

MAT5020 Fark Denklemleri I, Postgraduate, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015

MAT2217 Diferansiyel Denklemler (Geometrik), Undergraduate, 2018 - 2019

PFE4004 Öğretmenlik Uygulaması, Undergraduate, 2018 - 2019

GEO2008 Sayısal Analiz, Undergraduate, 2018 - 2019

MAT5056 Matematiksel Biyoloji, Postgraduate, 2018 - 2019, 2017 - 2018, 2015 - 2016

MAT4000 Bitirme Tezi, Undergraduate, 2018 - 2019

MAT5999 Seminer, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2014 - 2015

MAT2217 Diferansiyel Denklemler (Makina), Undergraduate, 2018 - 2019

MAT3009 Nümerik Analiz, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

MAT4024 Maple Proglama Dili (Matematik), Undergraduate, 2017 - 2018

MAT1115 Genel Matematik (İnşaat Müh.), Undergraduate, 2017 - 2018

MAT2256 Mühendislik Matematiği İÖ (Otomotiv Müh.), Undergraduate, 2017 - 2018
MAT2217 Diferansiyel Denklemler (Bilgisayar Müh.), Undergraduate, 2017 - 2018
GEO2008 Sayısal Analiz (Geomatik Müh.), Undergraduate, 2017 - 2018, 2016 - 2017
MAT2217 Diferansiyel Denklemler (İnşaat Müh.), Undergraduate, 2016 - 2017
MAT2217 Diferansiyel Denklemler (Gıda Müh.), Undergraduate, 2016 - 2017
MAT2217 Diferansiyel Denklemler (Elektrik-Elektronik Müh.), Undergraduate, 2016 - 2017, 2015 - 2016
MAT1151 Genel Matematik-I (Gıda Müh), Undergraduate, 2015 - 2016
MAT1052 Genel Matematik II (Makina Müh), Undergraduate, 2015 - 2016
MAT2217 Diferansiyel Denklemler, Undergraduate, 2015 - 2016
MAT5021 Fark Denklemleri II, Postgraduate, 2014 - 2015
MAT2217 Diferansiyel Denklemler (Metalurji ve Malzeme Müh.), Undergraduate, 2014 - 2015
YMAT1026 Matematik-II, Undergraduate, 2014 - 2015
MAT1151 Genel Matematik-I (İnşaat Müh.), Undergraduate, 2014 - 2015
YMAT1054 Matematik II, Undergraduate, 2014 - 2015
MAT2256 Mühendislik Matematiği (İmalat Müh.), Undergraduate, 2014 - 2015
MAT1155 Genel Matematik I (İnşaat Müh.), Undergraduate, 2013 - 2014
OMÖ3020 Nümerik Analiz (Eğitim Fak.), Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
MAT5309 Fark Denklemleri I, Postgraduate, 2013 - 2014
MAT2217 Diferansiyel Denklemler (Metalurji ve Malzeme Müh.), Undergraduate, 2013 - 2014
MAT1156 Genel Matematik II (İnşaat Müh.), Undergraduate, 2013 - 2014
MAT1041 Genel Matematik (Biyoloji), Undergraduate, 2012 - 2013, 2011 - 2012
OMÖ3007 Kısmi Türevli Diferansiyel Denklemler (Eğitim Fak.), Undergraduate, 2012 - 2013
OMÖ2011 Diferansiyel Denklemler I (Eğitim Fak), Undergraduate, 2012 - 2013
MAT4024 Maple Programlama Dili, Undergraduate, 2012 - 2013
MAT1155 Genel Matematik I (Kimya Müh.), Undergraduate, 2012 - 2013
OMÖ2011 Diferansiyel Denklemler I (Eğitim Fak.), Undergraduate, 2012 - 2013
OMÖ2006 Diferansiyel Denklemler II (Eğitim Fak.), Undergraduate, 2012 - 2013
İNŞ2008 Sayısal Analiz (İnşaat Müh.), Undergraduate, 2012 - 2013, 2011 - 2012, 2009 - 2010
OMÖ2012 Diferansiyel Denklemler II (Eğitim Fak.), Undergraduate, 2012 - 2013
OMÖ3007 Kısmi Türevli Denklemler (Eğitim Fak.), Undergraduate, 2012 - 2013
MAT1152 Genel Matematik II (İnşaat Müh.), Undergraduate, 2011 - 2012
MAT2217 Diferansiyel Denklemler (Çevre Müh.), Undergraduate, 2011 - 2012
OMÖ2012 Diferansiyel Denklemler II, Undergraduate, 2011 - 2012
MAT3008 Diferansiyel Geometri II, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010
MAT1155 Genel Matematik I, Undergraduate, 2011 - 2012
MAT1156 Genel Matematik II, Undergraduate, 2011 - 2012
OMÖ3007 Kısmi Türevli Diferansiyel Denklemler (Eğitim Fak.), Undergraduate, 2011 - 2012
MAT2251 Diferansiyel Denklemler, Undergraduate, 2011 - 2012
MAT1151 Genel Matematik I, Undergraduate, 2010 - 2011
MAT3007 Diferansiyel Geometri I, Undergraduate, 2010 - 2011
MAT2215 Diferansiyel Denklemler (Jeofizik Müh.), Undergraduate, 2010 - 2011
MAT1062 Analiz II (Kimya), Undergraduate, 2010 - 2011
OMÖ3012 Nümerik Analiz (Eğitim Fak.), Undergraduate, 2010 - 2011
İNŞ2008 Sayısal Analiz, Undergraduate, 2010 - 2011
OMÖ1004 Soyut Matematik II (Eğitim Fak.), Undergraduate, 2010 - 2011
MAT1151 Genel Matematik I (Çevre Müh.), Undergraduate, 2010 - 2011
OMÖ1003 Soyut Matematik I (Eğitim Fak.), Undergraduate, 2010 - 2011
MAT1062 Analiz II, Undergraduate, 2009 - 2010
İMÖ2012 Lineer Cebir II (Eğitim Fak.), Undergraduate, 2009 - 2010
MAT4044 Temel Matematik, Undergraduate, 2009 - 2010
EBE4010 Genel Matematik (Ebelik), Undergraduate, 2009 - 2010

Advising Theses

Kangalgil F., Topsakal N., Ayrik zamanlı bir av-avcı popülasyon modeline indirgenen Covid-19 matematiksel modelinin kararlılık analizi, Postgraduate, Ö.KUZUCU(Student), 2023
, Kangalgil F., Topsakal N., Ayrik zamanlı av-avcı popülasyon modelinde denge noktalarının topolojik sınıflandırılması, kararlılık ve flip çatallanma analizi, Postgraduate, N.ÖZTÜRK(Student), 2022
KANGALGİL F., AYRIK ZAMANLI BİR AV-AVCI POPÜLASYON MODELİ VE KARARLILIK ANALİZİ, Postgraduate, A.HASKAN(Student), 2021
KANGALGİL F., Popülasyon modellerinin dinamiği üzerine, Postgraduate, Ö.DEMİR(Student), 2019
KANGALGİL F., Popülasyon modellerinin kararlılık analizi üzerine, Postgraduate, D.YILMAZ(Student), 2017
KANGALGİL F., Bir popülasyon modelinin kararlılık analizi, Postgraduate, M.BAŞOĞLU(Student), 2016
KANGALGİL F., Regresyon analizi üzerine bir çalışma, Postgraduate, S.EĞRİ(Student), 2016
KANGALGİL F., Allee etkili gecikmeli fark denkleminin lokal kararlılık analizi üzerine, Postgraduate, N.AKGÜN(Student), 2015

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, January, 2024
Post Graduate, Post Graduate, Kastamonu Üniversitesi, January, 2024
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, September, 2023
Post Graduate, Post Graduate, Sivas Cumhuriyet Üniversitesi, August, 2023
Doctoral Examination, Doctoral Examination, Sivas Cumhuriyet Üniversitesi, March, 2023
Post Graduate, Post Graduate, Sivas Cumhuriyet Üniversitesi, September, 2022
Post Graduate, Post Graduate, Sivas Cumhuriyet Üniversitesi, August, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **On the qualitative study of a discrete fractional order prey–predator model with the effects of harvesting on predator population**
Uddin M. J., Rana S. M. S., IŞIK S., KANGALGİL F.
Chaos, Solitons and Fractals, vol.175, 2023 (SCI-Expanded)
- II. **DYNAMICAL COMPLEXITIES IN A DISCRETE-TIME PREDATOR-PREY SYSTEM AS CONSEQUENCES OF THE WEAK ALLEE EFFECT ON PREY**
KANGALGİL F., IŞIK S.
Miskolc Mathematical Notes, vol.24, no.1, pp.209-226, 2023 (SCI-Expanded)
- III. **Dynamical analysis and chaos control of a fractional-order Leslie-type predator-prey model with Caputo derivative**
Işık S., KANGALGİL F.
International Journal of Biomathematics, 2023 (SCI-Expanded)
- IV. **On the analysis of stability, bifurcation, and chaos control of discrete-time predator-prey model with Allee effect on predator**
IŞIK S., KANGALGİL F.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.51, no.2, pp.404-420, 2022 (SCI-Expanded)
- V. **Analyzing bifurcation, stability, and chaos control for a discrete-time prey-predator model with Allee effect**
KANGALGİL F., TOPSAKAL N., Ozturk N.
TURKISH JOURNAL OF MATHEMATICS, vol.46, no.6, pp.2047-2068, 2022 (SCI-Expanded)
- VI. **Effect of immigration in a predator-prey system: Stability, bifurcation and chaos**

KANGALGİL F., IŞIK S.

AIMS MATHEMATICS, vol.7, no.8, pp.14354-14375, 2022 (SCI-Expanded)

- VII. **Controlling chaos and Neimark-Sacker bifurcation in a discrete-time predator-prey system**
Kangalgil F., Işık S.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.49, no.5, pp.1761-1776, 2020 (SCI-Expanded)
- VIII. **Neimark-Sacker bifurcation and stability analysis of a discrete-time prey-predator model with Allee effect in prey**
Kangalgil F.
ADVANCES IN DIFFERENCE EQUATIONS, 2019 (SCI-Expanded)
- IX. **Stability and bifurcation analysis in a host-parasitoid model with Hassell growth function**
Kangalgil F., Kartal S.
ADVANCES IN DIFFERENCE EQUATIONS, 2018 (SCI-Expanded)
- X. **SOLITARY WAVE SOLUTIONS FOR HIROTA-SATSUMA COUPLED KdV EQUATION AND COUPLED mKdV EQUATION BY DIFFERENTIAL TRANSFORM METHOD**
Kangalgil F., Ayaz F.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.35, no.2D, pp.203-213, 2010 (SCI-Expanded)
- XI. **Solitary wave solutions for the KdV and mKdV equations by differential transform method**
Kangalgil F., Ayaz F.
CHAOS SOLITONS & FRACTALS, vol.41, no.1, pp.464-472, 2009 (SCI-Expanded)
- XII. **New exact travelling wave solutions for the Ostrovsky equation**
Kangalgil F., Ayaz F.
PHYSICS LETTERS A, vol.372, no.11, pp.1831-1835, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **Stability, Neimark-Sacker Bifurcation Analysis of a Prey-Predator Model with Strong Allee Effect and Chaos Control**
ELMACI D., KANGALGİL F.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.15, no.3, pp.775-787, 2022 (Peer-Reviewed Journal)
- II. **Period-Doubling Bifurcation and Stability in a Two Dimensional Discrete Prey-Predator Model with Allee Effect and Immigration Parameter on Prey**
Kangalgil F., İlhan F.
CUMHURİYET SCIENCE JOURNAL, vol.43, no.1, pp.88-97, 2022 (Peer-Reviewed Journal)
- III. **Stability Analysis of a Discrete-Time Prey-Predator Population Model with Immigration**
KILIÇ H., TOPSAKAL N., KANGALGİL F.
Cumhuriyet Sciences Journal, vol.41, no.4, pp.884-900, 2020 (Peer-Reviewed Journal)
- IV. **STABILITY ANALYSIS AND FLIP BIFURCATION OF A DISCRETE-TIME PREY-PREDATOR MODEL WITH PREDATOR IMMIGRATION**
KANGALGİL F., TOPSAKAL N.
Asian Journal of Mathematics and Computer Research, vol.27, no.3, pp.1-10, 2020 (Peer-Reviewed Journal)
- V. **Flip Bifurcation and Stability in a Discrete-Time Prey-Predator Model with Allee Effect**
Kangalgil F.
Cumhuriyet Science Journal, vol.40, no.1, pp.141-149, 2019 (Peer-Reviewed Journal)
- VI. **Travelling Wave Solutions of the Perturbed Wadati-Segur-Ablowitz Equation by (G'/G) -Expansion Method**
Kangalgil F.
International Journal of Scientific Research and Management, vol.6, no.06, pp.59-64, 2018 (Peer-Reviewed Journal)
- VII. **Dynamics of a Host-Parasite Model Connected with Immigration**
AK GÜMÜŞ Ö., KANGALGİL F.
New Trends in Mathematical Science, vol.3, no.5, pp.332-339, 2017 (Peer-Reviewed Journal)

- VIII. **The Local Stability Analysis of a Nonlinear Discrete-Time Population Model with Delay and Allee Effect**
KANGALGİL F.
Cumhuriyet Science Journal, vol.38, no.3, pp.480-487, 2017 (Peer-Reviewed Journal)
- IX. **Travelling Wave Solutions of the Schamel–Korteweg–de Vries and the Schamel equations**
KANGALGİL F.
Journal of the Egyptian Mathematical Society, vol.24, no.4, pp.526-531, 2016 (Peer-Reviewed Journal)
- X. **Allee Effect in a new Population Model and Stability Analysis**
KANGALGİL F., AK GÜMÜŞ Ö.
General Mathematics Notes, vol.35, no.1, pp.54-64, 2016 (Peer-Reviewed Journal)
- XI. **Allee Effect and Stability in a Discrete-Time Host-Parasitoid Model**
AK GÜMÜŞ Ö., KANGALGİL F.
Journal of Advanced Research in Applied Mathematics, vol.7, no.1, pp.94-99, 2015 (Peer-Reviewed Journal)
- XII. **The Differential Transform Method for solving one dimensional Burger s Equation and K m p 1 Equation**
KANGALGİL F.
C. Ü. Fen Bilimleri Dergisi, vol.34, no.3, pp.29-40, 2013 (Peer-Reviewed Journal)
- XIII. **Solution of Linear and Nonlinear Heat Equations by the Differential Transform Method**
KANGALGİL F., AYAZ F.
Selcuk Journal of Applied Mathematics, vol.8, no.1, pp.75-86, 2007 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Neimark-Sacker Bifurcation and Stability Analysis of Prey – Predator System Expose to Harvesting and Allee Effect**
KANGALGİL F., ELMACI D.
International Conference on Mathematical Modeling with Modern Applications, İstanbul, Turkey, 04 June 2024
- II. **Stability Analysis and Flip Bifurcation of Prey – Predator System Incorporating the Allee Effect**
KANGALGİL F., ELMACI D.
International Conference on Mathematical Modeling with Modern Applications, İstanbul, Turkey, 04 June 2024
- III. **" Dynamical Behaviors of a Prey-Predator Model including Weak Allee Effect**
Öztürk İnce N., Kangalgil F., Topsakal N.
", IX. Kadın Matematikçiler Derneği Çalıştayı, İzmir, Turkey, 3 - 05 May 2024, pp.29
- IV. **Role Of The Weak Allee Phenomena On A Predator-Prey Model**
Kangalgil F., Işık S.
9th International IFS and Contemporary Mathematics and Engineering Conference, Mersin, Turkey, 8 - 11 July 2023, pp.24-25
- V. **A Dynamic Approach To The Effect Of Harvesting**
Işık S., Kangalgil F.
9th International IFS and Contemporary Mathematics and Engineering Conference, Mersin, Turkey, 8 - 11 July 2023, pp.173-174
- VI. **Stability Analysis of a Discrete-Time Prey- Predator Model that Describes the COVID-19**
Kuzucu Ö., Kangalgil F., Topsakal N.
8th INTERNATIONAL ASIAN CONGRESS ON CONTEMPORARY SCIENCES, Aksaray, Turkey, 5 - 07 May 2023, pp.1179-1180
- VII. **THE COMPLEX DYNAMICAL BEHAVIOURS AND CHAOS CONTROL OF A DISCRETE-TIME PREY-PREDATOR POPULATION MODEL**
Topsakal N., Kangalgil F.
8th INTERNATIONAL ASIAN CONGRESS ON CONTEMPORARY SCIENCES , Aksaray, Turkey, 5 - 07 May 2023, pp.135
- VIII. **Stability Analysis of Prey – Predator System Involving Multiple Allee Effect**

Elmacı D., Kangalgil F.

International Conference on Mathematics and Mathematics Education (ICMME - 2022), Denizli, Turkey, 22 - 24 September 2022

- IX. **Stability Analysis of Prey-Predator System involving Multiple Allee effect**
Elmacı D., Kangalgil F.
International Conference on Mathematics and Mathematics Education, Denizli, Turkey, 22 - 24 September 2022
- X. **Analyzing Neimark-Sacker Bifurcation and Stability for a Discrete-Time Prey-Predator Model with Allee Effect**
ÖZTÜRK N., KANGALGİL F., TOPSAKAL N.
1. International Symposium on Current Developments in Fundamental and Applied Mathematics Sciences, Erzurum, Turkey, 22 - 25 May 2022
- XI. **Immigration and Qualitative Behavior of a Two-Dimensional Discrete-Time Model**
IŞIK S., KANGALGİL F., İLHAN F.
1. International Symposium on Current Developments in Fundamental and Applied Mathematics Sciences, Erzurum, Turkey, 22 May 2022
- XII. **Analyzing Period-Doubling Bifurcation and Stability for a Discrete-Time Prey- Predator Model with Allee Effect**
ÖZTÜRK N., KANGALGİL F., TOPSAKAL N.
2. International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 10 March 2022
- XIII. **Behavioural Analysis of a Predator-Prey Model**
KANGALGİL F., IŞIK S.
International Conference on Mathematics and Mathematics Education, Ankara, Turkey, 16 September 2021
- XIV. **On Stability Analysis and Flip Bifurcation of a Discrete-Time Predator-Prey System with Allee Effect and Prey Immigration**
İLHAN F., KANGALGİL F.
International Conference on Mathematics and Mathematics Education, 16 September 2021
- XV. **Dynamical Behaviors of a Discrete-Time Predator-Prey Population Model**
KANGALGİL F., İLHAN F.
10th International Eurasian Conference on Mathematical Sciences and Applications, 25 August 2021
- XVI. **Flip Bifurcation and Stability Analysis Two-Dimensional in a Discrete-Time Prey-Predator Model**
KANGALGİL F.
7. International IFS and Contemporary Mathematics Conference, Mersin, Turkey, 25 - 30 May 2021
- XVII. **Neimark-Sacker Bifurcation and Stability Of Discrete-Time Prey-Predator Model With Allee Effect**
IŞIK S., KANGALGİL F.
7. International IFS and Contemporary Mathematics Conference, Mersin, Turkey, 25 - 29 May 2021
- XVIII. **Ayrık Zamanlı Göç Parametresine Bağlı Bir Av-Avcı Popülasyon Modelinin Kararlılığı**
KILIÇ H., TOPSAKAL N., KANGALGİL F.
İzmir Matematik Günleri-III, Turkey, 1 - 02 October 2020
- XIX. **Bifurcation Analysis of a Leslie-Gower Model Including Allee Effect**
KANGALGİL F., IŞIK S.
4th International Conference on Mathematics "An Istanbul Meeting for World Mathematicians", İstanbul, Turkey, 1 - 03 July 2020, pp.49
- XX. **Dynamics of a Modified A Discrete-Time Predator- Prey Model With Allee Effect**
KANGALGİL F., IŞIK S.
International Conference on Mathematics and Its Applications in Science and Engineering, Ankara, Turkey, 9 - 10 June 2020, vol.69
- XXI. **Stability Analysis and Topological Classification of Fixed Points of Discrete-Time Prey-Predator Model**
DEMİR Ö., KANGALGİL F.
International Conference on Mathematics and Its Applications in Science and Engineering, Ankara, Turkey, 9 - 10 June 2020, pp.138-139

- XXII. **Kesikli zamanlı Av-Avcı Popülasyon Modelinin Çatallanma Analizi**
KANGALGİL F., IŞIK S.
3rd International Congress on Vocational and Technical Sciences, Gaziantep, Turkey, 21 - 22 June 2018
- XXIII. **On Stability and Bifurcation Analysis in a Discrete-Time Predator System**
KANGALGİL F., IŞIK S.
International Conference on Mathematics and Mathematics Education, Ordu, Turkey, 27 - 28 June 2018
- XXIV. **Genel Bir Tek Popülasyon Modelinde Allee fonksiyonunun Etkisi**
KANGALGİL F., IŞIK S.
3rd. International Congress on Vocational and Technical Sciences, Gaziantep, Turkey, 21 - 22 June 2018
- XXV. **Consequences on the Global Stability of the Discrete-Time Population Model**
AK GÜMÜŞ Ö., KANGALGİL F.
3th International Conference on Computational Mathematics and Engineering Sciences, Girne, Cyprus (Kkct), 4 - 06 May 2018
- XXVI. **The Stability of Delayed Population Models and The effect of the Allee Factor on Stability**
AK GÜMÜŞ Ö., KANGALGİL F.
3th International Conference on Computational Mathematics and Engineering Sciences, Girne, Cyprus (Kkct), 4 - 06 May 2018
- XXVII. **Stability Analysis and Discrete-time Population Model with Predation**
KANGALGİL F., AK GÜMÜŞ Ö.
3th International Conference on Computational Mathematics and Engineering Sciences, Girne, Cyprus (Kkct), 4 - 06 May 2018
- XXVIII. **Allee effect and Stability Analysis of a Delayed Discrete-Time Population Model**
KANGALGİL F., AK GÜMÜŞ Ö.
3th International Conference on Computational Mathematics and Engineering Sciences, Girne, Cyprus (Kkct), 4 - 06 May 2018
- XXIX. **Local Stability in a Discrete-time Population Model with Delay and Allee Effect**
KANGALGİL F., YILMAZ D.
1. International Symposium on Multidisciplinary Studies and Innovative Technologies, Tokat, Turkey, 2 - 04 November 2017
- XXX. **The Local Stability Analysis of a Delay General Nonlinear Discrete-time Population Model Including Predation and Allee Effect**
KANGALGİL F., IŞIK S.
1. International Symposium on Multidisciplinary Studies and Innovative Technologies, Tokat, Turkey, 2 - 04 November 2017
- XXXI. **Stability Analysis of an Host-Parasitoid Model With Immigration**
KANGALGİL F., BAŞOĞLU M.
2. International Science Symposium, Tbilisi, Georgia, 5 - 08 September 2017
- XXXII. **Exact Solutions to Some Nonlinear Partial Differential Equations**
TOPSAKAL N., KANGALGİL F.
2nd International Science Symposium, Tbilisi, Georgia, 5 - 08 September 2017
- XXXIII. **Exact Solutions of Some Nonlinear Partial Differential Equations In Mathematical Physics**
KANGALGİL F., TOPSAKAL N.
2nd International Science Symposium, Tbilisi, Georgia, 5 - 08 September 2017
- XXXIV. **A Host Parasite Population Dynamics Under Immigration**
AK GÜMÜŞ Ö., KANGALGİL F.
International Conference on Mathematics and Mathematics Education, Şanlıurfa, Turkey, 11 - 13 May 2017
- XXXV. **A General Nonlinear Discrete-Time Population Model involving Allee Effect and Stability Analysis**
KANGALGİL F., AK GÜMÜŞ Ö.
International Conference on Mathematics and Mathematics Education, Şanlıurfa, Turkey, 11 - 13 May 2017
- XXXVI. **Allee Effect and Stability Analysis in a Discrete-Time Host parasitoid Model**
KANGALGİL F., AK GÜMÜŞ Ö.

- International Conference on Mathematics and Mathematics Education, Şanlıurfa, Turkey, 11 - 13 May 2017
- XXXVII. **On the local stability analysis of a nonlinear discrete time population model involving delay and Allee effect**
KANGALGİL F., Akgün N.
International Conference on mathematics and Mathematics Education, Elazığ, Turkey, 12 - 14 May 2016
- XXXVIII. **The Differential Transform Method for Solving one Dimensional Burger s equation and K m p 1 Equation**
KANGALGİL F.
2. Kadın Matematikçiler Derneği Çalıştayı, Sivas, Turkey, 1 - 03 May 2015
- XXXIX. **Allee Effect in a New Population Model and Stability Analysis**
KANGALGİL F., AK GÜMÜŞ Ö.
2. Kadın Matematikçiler Derneği Çalıştayı, Sivas, Turkey, 1 - 03 May 2015
- XL. **Travelling wave solutions of Schamel-Korteweg-De-Vries and Schamel Equation**
KANGALGİL F.
1. Kadın Matematikçiler Derneği Çalıştayı, Kocaeli, Turkey, 2 - 04 May 2014

Supported Projects

- Kangalgil F., Topsakal N., Kuzucu Ö., Project Supported by Higher Education Institutions, Ayrık Zamanlı Bir Av-Avcı Popülasyon Modeline İndirgenen Covid-19 Matematiksel Modelinin Kararlılık Analizi, 2021 - 2023
- Topsakal N., Kangalgil F., Öztürk N., Project Supported by Higher Education Institutions, Ayrık Zamanlı Av-Avcı Popülasyon Modelinde Denge noktalarının Topolojik Sınıflandırılması ve Kararlılık Analizi, 2020 - 2022
- KANGALGİL F., Project Supported by Higher Education Institutions, Allee etkili Av-Avcı Popülasyon Modelinde Kararlılık Analizi ve Çatallanma, 2018 - 2020
- Kangalgil F., Project Supported by Higher Education Institutions, Popülasyon Modellerinin Dinamiği Üzerine, 2018 - 2019
- Topsakal N., Kangalgil F., Project Supported by Higher Education Institutions, Kesirli Mertebeden Modifiye edilmiş KdV denkleminin Tam Çözümleri, 2018 - 2019
- KANGALGİL F., Project Supported by Higher Education Institutions, Bir Host-Parasitoid Modelde Kararlılık Analizi ve Çatallanma, 2017 - 2018
- KANGALGİL F., Project Supported by Higher Education Institutions, Perturbed Wadati-Segur-Ablowitz Denkleminin Tam Çözümleri, 2017 - 2017
- KANGALGİL F., Project Supported by Higher Education Institutions, Popülasyon Modellerinin Kararlılık Analizi Üzerine, 2017 - 2017
- KANGALGİL F., Project Supported by Higher Education Institutions, Allee etkisinin Popülasyon Modelleri Üzerine etkisi ve Kararlılık Analizi, 2016 - 2016
- KANGALGİL F., Project Supported by Higher Education Institutions, Bir Popülasyon Modelinin Kararlılık Analizi, 2016 - 2016
- KANGALGİL F., Project Supported by Higher Education Institutions, Burger's Denkleminin Diferensiyel Dönüşüm Metodu ile Yaklaşık Çözümleri Üzerine, 2009 - 2010

Scientific Refereeing

- CUMHURİYET SCIENCE JOURNAL, Other Indexed Journal, February 2024
- International Journal of Bifurcation and Chaos, Journal Indexed in SCI-E, February 2024
- PLOS ONE, Journal Indexed in SCI-E, January 2024
- Project Supported by Higher Education Institutions, BAP Research Project, Nevşehir Hacı Bektaş Veli University, Turkey, October 2023
- CUMHURİYET SCIENCE JOURNAL, Other Indexed Journal, June 2023
- CUMHURİYET SCIENCE JOURNAL, Other Indexed Journal, May 2023

CHAOS THEORY AND APPLICATIONS, Other Indexed Journal, May 2023
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS IN APPLIED SCIENCES AND ENGINEERING, Journal Indexed in SCI-E, April 2023
COMPLEXITY, Journal Indexed in SCI-E, April 2023
INTERNATIONAL JOURNAL OF BIOMATHEMATICS, Journal Indexed in SCI-E, March 2023
CUMHURİYET SCIENCE JOURNAL, Other Indexed Journal, February 2023
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS IN APPLIED SCIENCES AND ENGINEERING, Journal Indexed in SCI-E, February 2023
PLOS ONE, Journal Indexed in SCI-E, January 2023
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Other Indexed Journal, December 2022
CUMHURİYET SCIENCE JOURNAL, Other Indexed Journal, May 2022
CUMHURİYET SCIENCE JOURNAL, Other Indexed Journal, February 2022
CUMHURİYET SCIENCE JOURNAL, Other Indexed Journal, February 2022
Erzincan University Journal of Science and Technology, Other Indexed Journal, December 2021
Gazi University Journal of Science Part A: Engineering and Innovation, Other Indexed Journal, December 2021
CUMHURİYET SCIENCE JOURNAL, Other Indexed Journal, December 2021
CUMHURİYET SCIENCE JOURNAL, Other Indexed Journal, November 2021
GAZI UNIVERSITY JOURNAL OF SCIENCE, Other Indexed Journal, April 2021
CUMHURİYET SCIENCE JOURNAL, Other Indexed Journal, November 2020
CUMHURİYET SCIENCE JOURNAL, Other Indexed Journal, August 2020
CUMHURİYET SCIENCE JOURNAL, Other Indexed Journal, July 2020
CUMHURİYET SCIENCE JOURNAL, Other journals, July 2020
CUMHURİYET SCIENCE JOURNAL, Other Indexed Journal, July 2020
CUMHURİYET SCIENCE JOURNAL, Other Indexed Journal, July 2020
CUMHURİYET SCIENCE JOURNAL, Other Indexed Journal, July 2020
Project Supported by Higher Education Institutions, BAP Research Project, Afyon Kocatepe University, Turkey, July 2020

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