

Doç. Dr.

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Kurum: İnsan Ve Toplum Bilimleri Fakültesi / Matematik Bölümü / Uygulamalı Matematik
Anabilim Dalı



Uluslararası Araştırmacı ID'leri

YÖKSİS Araştırmacı ID: 257529

Eğitim Bilgileri

- I. University of Birmingham · Post-Doktora · Yurt Dışı · 2022–2023 (2022–2023)
- II. University of Leicester · Doktora · Yurt Dışı · 2012–2016 · Matematik · Mathematical modelling of oxygen-plankton system under the climate change (2012–2016)
- III. University of Leicester {England} · Yüksek Lisans · Yurt Dışı · 2011–2012 · Biyolojide Matematiksel Modelleme · Oxygen and phytoplankton dynamics (2011–2012)
- IV. İNÖNÜ ÜNİVERSİTESİ · Yüksek Lisans · Yurt İçi · 2009–? · FEN BİLİMLERİ ENSTİTÜSÜ · GEOMETRİ (YL) (TEZLİ) (2009–)
- V. İNÖNÜ ÜNİVERSİTESİ · Lisans · Yurt İçi · 2005–2009 · FEN-EDEBİYAT FAKÜLTESİ · MATEMATİK BÖLÜMÜ (2005–2009)

Araştırma Alanları

Fen Bilimleri ve Matematik Temel Alanı · Matematik · Uygulamalı Matematik

Yönetilen Tezler

- I. Plankton Popülasyonunun Dinamik Yapısının Matematiksel Modellemesi
- II. Bal Arısı Kolonisi ve Kovan Hastalığının Matematiksel Modellemesi

Makaleler

- I. Revealing the effect of a hidden dimension on slug spatial distributions in arable fields (2025)
Petrovskaya Natalia B., ŞEKERCİ FIRAT YADİGAR, Ellis John R., Petrovskii Sergei
- II. The impact of vaccination strategy on the spatiotemporal pattern dynamics of a COVID-19 epidemic model (2024)
ŞEKERCİ FIRAT YADİGAR, Khoshnaw Sarbaz H. A.
- III. Fractional approach to evolution of the magnetic field lines near the magnetic null points (2024)
durmaz hasan, ÖZDEMİR ZEHRA, ŞEKERCİ FIRAT YADİGAR
- IV. Stability of spatial patterns in a diffusive oxygen–plankton model with time lag effect (2022)
GÖKÇE AYTÜL, YAZAR SAMİRE, ŞEKERCİ FIRAT YADİGAR
- V. Future effects of small hive beetle, Aethina tumida, on honey bee colony in Turkey based on temperature factor using a mathematical model (2022)
TUTUN HİDAYET, ŞEKERCİ FIRAT YADİGAR, SEVİN SEDAT
- VI. Climate change effects on fractional order prey-predator model (2020)
ŞEKERCİ FIRAT YADİGAR
- VII. Dynamic analysis of time fractional order oxygen in a plankton system (2020)
ŞEKERCİ FIRAT YADİGAR, ÖZARSLAN RAMAZAN
- VIII. Marine system dynamical response to a changing climate in frame of power law, exponential decay, and Mittag-Leffler kernel (2020)
ŞEKERCİ FIRAT YADİGAR, ÖZARSLAN RAMAZAN
- IX. Respiration Effect on Plankton–Oxygen Dynamics in view of non-singular time fractional derivatives (2020)
ŞEKERCİ FIRAT YADİGAR, ÖZARSLAN RAMAZAN
- X. Fractional order oxygen–plankton system under climate change (2020)
ÖZARSLAN RAMAZAN, ŞEKERCİ FIRAT YADİGAR
- XI. Adaptation of species as response to climate change: Predator-prey mathematical model (2020)
ŞEKERCİ FIRAT YADİGAR

- XII.** Delay induced nonlinear dynamics of oxygen-plankton interactions (2020)
GÖKÇE AYTÜL, YAZAR SAMİRE, ŞEKERCİ FIRAT YADİGAR
- XIII.** Climate change forces plankton species to move to get rid of extinction: mathematical modeling approach (2020)
ŞEKERCİ FIRAT YADİGAR
- XIV.** Temporal Response of Predator-Prey System with the Allee Effect (2020)
ŞEKERCİ FIRAT YADİGAR
- XV.** Oxygen-plankton model under the effect of global warming with nonsingular fractional order (2020)
ŞEKERCİ FIRAT YADİGAR, ÖZARSLAN RAMAZAN
- XVI.** Effect of System Parameters on Plankton Dynamics: A Mathematical Modelling Approach (2019)
ŞEKERCİ FIRAT YADİGAR
- XVII.** Global Warming Can Lead to Depletion of Oxygen by Disrupting Phytoplankton Photosynthesis: A Mathematical Modelling Approach (2018)
ŞEKERCİ FIRAT YADİGAR, PETROVSKII SERGEI
- XVIII.** Pattern Formation in a Model Oxygen-Plankton System (2018)
ŞEKERCİ FIRAT YADİGAR, PETROVSKII SERGEI
- XIX.** Regime shifts and ecological catastrophes in a model of plankton-oxygen dynamics under the climate change (2017)
PETROVSKII SERGEI, ŞEKERCİ FIRAT YADİGAR, VENTURINO EZIO
- XX.** Mathematical Modelling of Spatiotemporal Dynamics of Oxygen in a Plankton System (2015)
ŞEKERCİ FIRAT YADİGAR, PETROVSKII SERGEI
- XXI.** Mathematical Modelling of Plankton-Oxygen Dynamics Under the Climate Change (2015)
ŞEKERCİ FIRAT YADİGAR, PETROVSKII SERGEI

Bildiriler

- I.** Mathematical modeling approach: Climate change drives plankton to migrate in order to avoid extinction (2022)
ŞEKERCİ FIRAT YADİGAR
- II.** Mathematical Modeling of Honeybee Population (2021)
İşitan Havvanur, ŞEKERCİ FIRAT YADİGAR
- III.** Mathematical Modeling of Honeybee Colony Disease (2021)
Karadeniz Fatma, ŞEKERCİ FIRAT YADİGAR
- IV.** Dynamics of a diffusive oxygen– plankton model with time lag effect and its stability behaviour (2021)
GÖKÇE AYTÜL, YAZAR SAMİRE, ŞEKERCİ FIRAT YADİGAR
- V.** Dynamics of a Diffusive Oxygen– Plankton Model with Time Lag Effect and its Stability Behaviour (2021)
GÖKÇE AYTÜL, YAZAR SAMİRE, ŞEKERCİ FIRAT YADİGAR
- VI.** Delayed Differential Equations For Analysing Spatio-Temporal Dynamics of Plankton-Oxygen (2021)
GÖKÇE AYTÜL, YAZAR SAMİRE, ŞEKERCİ FIRAT YADİGAR
- VII.** Environmental Change Effect on Oxygen-Plankton System:Mathematical Approach (2019)
ŞEKERCİ FIRAT YADİGAR
- VIII.** Early Warning Signals of Oxygen-Plankton Dynamics: Mathematical Approach (2019)
ŞEKERCİ FIRAT YADİGAR
- IX.** Oksijen-Plankton Sisteminin Dinamik Yapısının Matematiksel Modellemesi (2019)
ŞEKERCİ FIRAT YADİGAR
- X.** Modelling the Horizontal Distribution of Oxygen-Plankton System (2018)
ŞEKERCİ FIRAT YADİGAR
- XI.** Mathematical Modelling for Environmental Stochasticity on Oxygen-Plankton System (2018)
ŞEKERCİ FIRAT YADİGAR
- XII.** Mathematical Model on the Temporal and Spatial Structure for Predator-Prey System (2018)
ŞEKERCİ FIRAT YADİGAR
- XIII.** Spatial Distribution of Predator-Prey System with Varying Mortality Rate (2018)
ŞEKERCİ FIRAT YADİGAR, PETROVSKII SERGEI
- XIV.** Complex Dynamics, Regime Shifts, Catastrophes and Long-Term Transients in a Model of Plankton-Oxygen Dynamics Under the Climate Change (2018)
PETROVSKII SERGEI, ŞEKERCİ FIRAT YADİGAR, VENTURINO EZIO
- XV.** Mathematical Modelling of Spatiotemporal Plankton-Oxygen Dynamics Under the Climate Change (2016)
ŞEKERCİ FIRAT YADİGAR, PETROVSKII SERGEI
- XVI.** Bifurcation, extinction and long-living transients in the dynamics of ocean plankton-oxygen system as a response

to the global climate change (2016)

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XVII. Mathematical Modelling of Spatiotemporal Dynamics of Oxygen and Plankton system (2014)

ŞEKERCİ FIRAT YADİGAR,PETROVSKII SERGEI

Projeler

I. Türkiye'De Veteriner Hekimlerin Akılcı Antibiyotik Kullanımına Yönlendirilmesi: Etkili Stratejilerin Araştırılması (2024)

BEKİR ÇETİNTAV, YADİGAR ŞEKERCİ FIRAT, HİDAYET TUTUN

II. Shad population assessment via Diglis AI (2024)

Matishalin Patel, YADİGAR ŞEKERCİ FIRAT, Jon Bolland, Jie Yang, Julius Mboli, Jamie Dodd

III. Mathematical Modelling of Pattern Formation and Animal Movement (2022)

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IV. Müsilaj Problemi ve Matematiksel Modelleme (2021)

Seda Nur İdrisoğlu

V. Oksijen Plankton Sisteminin Alan Verilerinin Kullanılarak Modellenmesi FBM-BAP 18-0337 (2018)

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VI. Av-Avcı Sisteminin Mekana Bağlı Dağılımında Eğimin Etkisi FBM-BAP 17-0258 (2017)

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Başarılar & Ödüller

I. TÜBİTAK Yayın Teşvik (2020)

II. TÜBİTAK Yayın Teşvik (2020)

III. TÜBİTAK Yayın Teşvik (2020)