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

Uluslararası Araştırmacı ID'leri

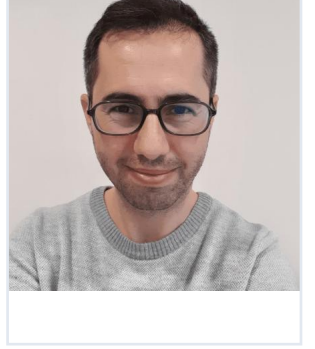
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Web of Science: GSN-0899-2022

Google Scholar: MwBsQB4AAAAJ

YÖKSİS Araştırmacı ID: 116387



Eğitim Bilgileri

I. YILDIZ TEKNİK ÜNİVERSİTESİ · Doktora · Yurt İçi · 2016–2022 · FEN BİLİMLERİ ENSTİTÜSÜ · MATEMATİK (DR) (İNGİLİZCE) · Unstable equilibria of some dynamical systems (2016–2022)

II. AMASYA ÜNİVERSİTESİ · Yüksek Lisans · Yurt İçi · 2013–2015 · FEN BİLİMLERİ ENSTİTÜSÜ · MATEMATİK (YL) (TEZLİ) · Waveletlerle integral denklemlerine yaklaşım (2013–2015)

III. BOĞAZİÇİ ÜNİVERSİTESİ · Lisans · Yurt İçi · 2005–2012 · FEN-EDEBİYAT FAKÜLTESİ · MATEMATİK BÖLÜMÜ (2005–2012)

Araştırma Alanları

Fen Bilimleri ve Matematik Temel Alanı · Matematik · Uygulamalı Matematik

Yönetilen Tezler

I. Capturing behaviours of the advection-dispersion-reaction models through neural networks (2024)

Makaleler

I. Unveiling advection-dominated interactions: Efficacy of neural networks in natural systems modelling (2026)
USLU TUNA HANDE, SARI MURAT, COŞGUN TAHİR

II. A discretization-free deep neural network-based approach for advection-dispersion-reaction mechanisms (2024)
USLU TUNA HANDE, SARI MURAT, COŞGUN TAHİR

III. Singularly perturbative behaviour of nonlinear advection-diffusion-reaction processes (2024)
COŞGUN TAHİR, SARI MURAT

IV. An investigation on environmental pollution due to essential heavy metals: a prediction model through multilayer perceptrons (2023)
SARI MURAT, Yalçın İbrahim Ertuğrul, TANER MAHMUT, COŞGUN TAHİR, ÖZYİĞİT İBRAHİM İLKER

V. A novel method to investigate nonlinear advection-diffusion processes (2023)
COŞGUN TAHİR, SARI MURAT

VI. Forecasting contamination in an ecosystem based on a network model (2023)
SARI MURAT, Yalçın İbrahim Ertuğrul, TANER MAHMUT, COŞGUN TAHİR, ÖZYİĞİT İBRAHİM İLKER

VII. Initial data identification in advection-diffusion processes via a reversed fixed-point iteration method (2022)
COŞGUN TAHİR, SARI MURAT

VIII. Deciding Heavy Metal Levels in Soil Based on Various Ecological Information through Artificial Intelligence Modeling (2022)
SARI MURAT, COŞGUN TAHİR, YALÇIN İBRAHİM ERTUĞRUL, TANER MAHMUT, ÖZYİĞİT İBRAHİM İLKER

IX. A novel approach regarding the fixed points of repelling nature (2021)
COŞGUN TAHİR, SARI MURAT

X. Traveling wave solutions and stability behaviours under advection dominance for singularly perturbed advection-diffusion-reaction processes (2020)

XI. Qualitative behavior of stiff ODEs through a stochastic approach (2020)

USLU HANDE, SARI MURAT, COŞGUN TAHİR

XII. The Use of Lavrentiev Regularization Method in Fredholm Integral Equations of the First Kind (2019)

ALTÜRK AHMET, COŞGUN TAHİR

Bildiriler

I. Closed-Form Representations for First-Kind Fredholm Integral Equations with Separable Kernels via Exponential Fourier Series and Lavrentiev-Type Regularisation (2026)

BAL Ezgi, COŞGUN TAHİR

II. A STUDY OF PREDOMINANT ADVECTION WITH DISPERSIVITY USING DEEP NEURAL NETWORKS (2024)

USLU TUNA HANDE, SARI MURAT, COŞGUN TAHİR

III. Neural Network-Enhanced Analysis of Advection-Dominance Including Dispersivity in Physical Perspective (2024)

USLU TUNA HANDE, SARI MURAT, COŞGUN TAHİR

IV. A discretization-free deep neural network-based approach for advection-dispersion-reaction processes (2024)

USLU TUNA HANDE, SARI MURAT, COŞGUN TAHİR

V. Characterization of Solutions to Fredholm Integral Equations of the First Kind (2024)

COŞGUN TAHİR

VI. A Reversed Fixed-Point Iteration Method for Burgers Equation (2021)

COŞGUN TAHİR, SARI MURAT

VII. The Qualitative Behavior of Some Stiff ODEs Through Stochastic Methods (2018)

SARI MURAT, USLU HANDE, COŞGUN TAHİR

VIII. Mathematical Modelling of a Medical Problem Using Multiple Linear Regression (2018)

SARI MURAT, AHMAD ARSHED ADHAM, COŞGUN TAHİR

IX. A Discussion of the Singular and Weakly Singular Integral Equations with Abel Type Kernels (2018)

COŞGUN TAHİR, SARI MURAT, AHMAD ARSHED ADHAM

X. A Discussion of the Generalized Abel Integral Equation (2018)

COŞGUN TAHİR, SARI MURAT, USLU HANDE

XI. On the Solutions of Fredholm Integral Equations with General Kernels (2018)

ALTÜRK AHMET, COŞGUN TAHİR

XII. On the Solution of Fredholm Integral Equation of the First Kind (2017)

ALTÜRK AHMET, COŞGUN TAHİR

XIII. On Fredholm Integral Equations with Separable Kernels (2017)

ALTÜRK AHMET, COŞGUN TAHİR

XIV. İkinci Tip Volterra İntegral Denklemlerine Harmonik Dalgacıklarla Yaklaşım (2015)

COŞGUN TAHİR, ALTÜRK AHMET

XV. Birinci Tip Fredholm İntegral Denklemlerinin Tikhonov un Regülerizasyon Metodu İle Çözümüne Yeni Bir Yaklaşım (2014)

COŞGUN TAHİR, ALTÜRK AHMET

Kitaplar

I. Numerical Solutions of Realistic Nonlinear Phenomena (2020)

COŞGUN TAHİR, SARI MURAT, USLU HANDE

II. Mathematical Modelling and Optimization of Engineering Problems (2020)

AHMAD ARSHED ADHAM, SARI MURAT, COŞGUN TAHİR

Projeler

I. Düşük Kutuplu Sinusoidal Reluktans Makinası Tasarımı Ve Prototip Üretimi (2019)

MURAT SARI, MEHMET SERGEN ÇATAL, TAHİR COŞGUN, HİLMİ GÜRLEYEN

II. M- Metrik Uzaylarda Küme Değerli Dönüşümler İçin Sabit Nokta Teoremleri (2018)

TAHİR COŞGUN, HAKAN ŞAHİN, NURCAN BİLGİLİ GÜNGÖR

III. FMB-BAP 17-0253 Genel Çekirdekli 1.Tip Fredholm İntegral Denklemlerinin Çözümleri Üzerine Bir Yaklaşım (2017)

TAHİR COŞGUN, AHMET ALTÜRK

IV. FMB-BAP 14-088 Abel İntegral Denkleminin Hermite Polinomları ve Kesirli Analiz Yardımı ile Nümerik Çözümü

(2014)

TAHİR COŞGUN, AHMET ALTÜRK