

Dr. Öğr. Üyesi ZEINAB HASSANZADEH

Kişisel Bilgiler

İş Telefonu: [+90 212 422 7000](tel:+902124227000)

E-posta: zhassanzadeh@gelisim.edu.tr

Web: <https://avesis.gelisim.edu.tr/zhassanzadeh>

Posta Adresi: Cihangir Mah. Petrol Ofisi Cad. NO:3-5 Gelişim Tower, 34310 Avcılar, İstanbul, Türkiye

Uluslararası Araştırmacı ID'leri

ScholarID: nSsLUw8AAAAJ

ORCID: 0000-0003-1059-5717

Publons / Web Of Science ResearcherID: CUA-8498-2022

ScopusID: 56462901400

Yoksis Araştırmacı ID: 409618

Eğitim Bilgileri

Post Doktora, İstanbul Teknik Üniversitesi, Fen-Edebiyat, Matematik Mühendisliği, Türkiye 2022 - 2024

Doktora, Geylan Üniversitesi, Faculty of Mathematical Sciences, Department of Applied Mathematics, İran 2014 - 2019

Yüksek Lisans, University of Mohaghegh, Faculty of Mathematical Sciences, Department of Applied Mathematics, İran 2010 - 2012

Lisans, Tabriz University, Faculty of Mathematical Sciences, Department of Applied Mathematics, İran 2004 - 2008

Yabancı Diller

İngilizce, C1 İleri

Azerice, C2 Ustalık

Türkçe, C1 İleri

Yaptığı Tezler

Doktora, Some improvements of the Monte Carlo method for solving fuzzy and crisp systems of linear equations, Geylan Üniversitesi, Faculty of Mathematical Sciences, Department of Applied Mathematics, 2019

Yüksek Lisans, Two-stage waveform relaxation method for the initial value problems, University of Mohaghegh, Faculty of Mathematical Sciences, Department of Applied Mathematics, 2012

Araştırma Alanları

Sayısal Algoritmalar, Biyohesaplama, Biçimsel Diller, Veritabanı ve Veri Yapıları, Bulanık Kümeler ve Sistemler, Doğrusal ve Çoklu Doğrusal Cebir, Matris Kuramı, Kısmi diferansiyel eşitlikler, Olasılık Kuramı, Stokastik Süreçler, Sayısal Analiz

Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, İstanbul Gelişim Üniversitesi, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, BİLGİSAYAR MÜHENDİSLİĞİ ,

2024 - Devam Ediyor

Araştırmacı, İstanbul Teknik Üniversitesi, Fen-Edebiyat, Matematik Mühendisliği, 2022 - 2024

Öğretim Görevlisi Dr., Sahand University of Technology, 2019 - 2021

Öğretim Görevlisi, Geylan Üniversitesi, 2016 - 2019

Verdiği Dersler

Introduction to Computer Programming , Lisans, 2024 - 2025

Nesne Yönelimli Programlama, Lisans, 2024 - 2025

İleri Modelleme ve Simülasyon, Yüksek Lisans, 2024 - 2025

Object Oriented Programming, Lisans, 2024 - 2025

Bilgisayar Projesi, Lisans, 2024 - 2025

Probability and Statistics for Engineering, Lisans, 2019 - 2020

Computer Simulation of Statistical Distributions, Yüksek Lisans, 2017 - 2018

Stochastic Processes, Yüksek Lisans, 2016 - 2017

Programming with MATLAB, Lisans, 2015 - 2016

Numerical linear algebra, Lisans, 2014 - 2015

Yönetilen Tezler

Hassanzadeh Z., Soft computing and its industrial applications, Yüksek Lisans, M.Adeli(Öğrenci), 2022

Hassanzadeh Z., Solving uncertain differential equations by Milne method, Yüksek Lisans, A.Motamedi(Öğrenci), 2021

Tasarladığı Kurs ve Eğitimler

Hassanzadeh Z., An introduction to artificial neural networks, Haziran 2019

Hassanzadeh Z., Application of novel optimization methods based on computational intelligence in engineering systems, Ağustos 2017

Hassanzadeh Z., An introduction to soft computing and fuzzy logic, Nisan 2017

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **An integration of fuzzy inference and adaptive neural network applied for LSEG fuel price forecasting**
Hassanzadeh Z.
APPLIED SOFT COMPUTING JOURNAL, cilt.4, sa.2, ss.1-32, 2024 (SCI-Expanded)
- II. **Monte Carlo method for the real and complex fuzzy system of linear algebraic equations**
Fathi-Vajargah B., Hassanzadeh Z.
Soft Computing, cilt.24, sa.2, ss.1255-1270, 2020 (SCI-Expanded)
- III. **Improvements on the hybrid Monte Carlo algorithms for matrix computations**
Fathi-Vajargah B., Hassanzadeh Z.
Sadhana - Academy Proceedings in Engineering Sciences, cilt.44, sa.1, 2019 (SCI-Expanded)
- IV. **A newton two-stage waveform relaxation method for solving systems of nonlinear algebraic equations**
Salkuyeh D. K., Hassanzadeh Z.
Mathematical Communications, cilt.20, sa.1, ss.1-15, 2015 (SCI-Expanded)
- V. **Two-stage waveform relaxation method for the initial value problems with non-constant coefficients**
Hassanzadeh Z., Salkuyeh D. K.

Computational and Applied Mathematics, cilt.33, sa.3, ss.641-654, 2014 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **A new Monte Carlo method for solving system of linear algebraic equations**
Fathi-Vajargah B., Hassanzadeh Z.
Computational Methods for Differential Equations, cilt.9, sa.1, ss.159-179, 2021 (ESCI)
- II. **Common fixed point theorem for the R-weakly commuting mappings in M-fuzzy metric spaces**
Hassanzadeh Z., Sedghi S., Kim J. K.
Nonlinear Functional Analysis and Applications, cilt.23, sa.4, ss.629-641, 2018 (Scopus)

Desteklenen Projeler

Hassanzadeh Z., TÜBİTAK Projesi, Simulation of the navigation lock systems by a new hybrid Monte Carlo method via machine learning algorithms, 2023 - 2024

Bilimsel Hakemlikler

SOFT COMPUTING, ESCI Kapsamındaki Dergi, Haziran 2024
ANNALS OF OPERATIONS RESEARCH, ESCI Kapsamındaki Dergi, Mayıs 2024
SADHANA - ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, ESCI Kapsamındaki Dergi, Ağustos 2017

Metrikler

Yayın: 10
Atıf (Scopus): 15
H-İndeks (Scopus): 3

Davetli Konuşmalar

Turbulent flow modelling by an intelligent Monte Carlo method applied to solve RANS equations, Seminer, İstanbul Gelişim Üniversitesi, Türkiye, Şubat 2024
A new hybrid stochastic Monte Carlo linear solver to the desired modelling problems, Seminer, Galatasaray Üniversitesi, Türkiye, Şubat 2024
Impressive efficiency of a newly structured Monte Carlo linear solver on some modelling problems, Seminer, Marmara Üniversitesi, Türkiye, Aralık 2022
Two-stage waveform relaxation method for linear system of IVPs with non-constant HPD coefficient, Konferans, University of Yazd, İran, Ekim 2015
On the solution of complex fuzzy system of linear equations with HPD coefficient matrix, Konferans, University of Guilan, İran, Haziran 2015
New walk on equations Monte Carlo method for solving systems of linear algebraic equations, Seminer, University of Guilan, İran, Kasım 2014
Two-stage waveform relaxation method for the initial value problems, Konferans, Shahid Madani University of Azerbaijan, İran, Temmuz 2012