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Eğitim Bilgileri

Doktora, Y.T.Ü, Kimya-Metalurji,

Matematik Mühendisliği, Türkiye

1993 - 1997

Yüksek Lisans, Y.T.Ü, Kimya-Metalurji,

Matematik Mühendisliği, Türkiye

1990 - 1993

Lisans, Y.T.Ü, Kimya-Metalurji,

Matematik Mühendisliği, Türkiye

1986 - 1990

Yabancı Diller

İngilizce, C1 İleri

Araştırma Alanları

Matematik, Optimizasyon, Temel Bilimler

Akademik Unvanlar / Görevler

Prof. Dr., Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Matematik Müh.Bölümü, 2019 - Devam Ediyor

Verdiği Dersler

KOMPLEKS ANALİZ, Lisans, 2018 - 2019

PROJE PLAN VE YÖNETİMİ, Lisans, 2016 - 2017

BULANIK MANTIK, Lisans, 2017 - 2018

ANALİZ 1, Lisans, 2017 - 2018

ANALİZ 2, Lisans, 2016 - 2017

Yönetilen Tezler

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- II. **On Modeling of Surface Tension of CMC- α -Fe₂O₃ Nanoparticles by Fuzzy-Hybrid Approach: A Comparison Study**
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- III. **Handling uncertainty in rheological properties of green eggshell nanocomposites by a fuzzy-hybrid modeling approach: a comparative study**
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- IV. **Preparation, characterization and evaluation of a novel CMC/Chitosan- α -Fe₂O₃ nanoparticles-coated 17–4 PH stainless-steel foam**
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- VI. **Finding compromise solutions for fully fuzzy multi-objective linear programming problems by using game theory approach**
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- VIII. **Preparation and characterization of carboxymethyl cellulose/poly (ethylene glycol) -rosin pentaerythritolester polymeric nanoparticles: Role of intrinsic viscosity and surface morphology**
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- IX. **SYSTEM OPTIMUM FUZZY TRAFFIC ASSIGNMENT PROBLEM**
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- X. **On fuzzy solutions of the nonsquare fully fuzzy linear equation system with arbitrary triangular fuzzy numbers**
Albayrak I.
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- XI. **Finding the fuzzy solutions of a general fully fuzzy linear equation system**
Kocken H., AHLATCIOĞLU M., ALBAYRAK F. İ.

- JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, cilt.30, sa.2, ss.921-933, 2016 (SCI-Expanded)
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- XIV. **On the degree of approximation of functions belonging to a Lipschitz class by Hausdorff means of its fourier series**
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- XV. **A regularized trace formula for second order differential operator equations**
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- XVI. **A REGULARIZED TRACE FORMULA FOR DIFFERENTIAL EQUATIONS WITH TRACE CLASS OPERATOR COEFFICIENTS**
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- II. **A Game Theory-based Approach to Fuzzy Linear Transportation Problem**
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- III. **A Solution Approach for a Class of Parametric Linear Programming Problems**
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- IV. **A new iterative linearization approach for solving nonlinear equations systems**
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- V. **An Alternative Algorithm for Solving Pure Integer Linear Programming Problems Having Two Variables**
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- VII. **GENERATING A SET OF COMPROMISE SOLUTIONS OF A MULTI-OBJECTIVE LINEAR PROGRAMMING PROBLEM THROUGH GAME THEORY**
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- VIII. **A Novel Solution Approach using Linearization Technique for Nonlinear Programming Problems**
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- X. **A new iterative approach for solving nonlinear programming problem**
Sivri M., Albayrak F. İ., Temelcan G.
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- XI. **A new fuzzy decision making approach for personnel selection problem**
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- XII. **A Novel Approach for Solving Quadratic Fractional Programming Problems**
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- XIII. **On the eigenvalues of second order differential equation which has lag argument with spectral parameter in boundary conditions in half axis**
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International Mathematical Journal, cilt.6, sa.2, ss.51-58, 2005 (Hakemli Dergi)
- XIV. **CALCULATED OF REGULARIZED TRACE OF A EVEN ORDER DIFFERENTIAL EQUATION IN FINITE INTERVAL**
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- XVI. **Formula for the highly regularized trace of Sturm Liouville operator with unbounded operator coefficients which has singularity**
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- I. **Data-driven AI for information retrieval of biomedical images**
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- III. **A Numerical Method for Integration of a Fuzzy Function over a Fuzzy Interval**
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- IV. **SOLVING THE SYSTEM OPTIMUM STATIC TRAFFIC ASSIGNMENT PROBLEM WITH SINGLE ORIGIN DESTINATION PAIR IN FUZZY ENVIRONMENT**
ALBAYRAK F. İ., KÖÇKEN H., TEMELCAN G.

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V. **A Short Review on Fuzzy System of Linear Equations Applications**

Köçken H., Albayrak F. İ.

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I. **A Numerical Method for Integration of a Fuzzy Function over a Fuzzy Interval**

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II. **Solving the System Optimum Static Traffic Assignment Problem with Single Origin Destination Pair in Fuzzy Environment**

Temelcan G., Köçken H., Albayrak F. İ.

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III. **Solving Fuzzy Multi-objective Linear Programming Problems Using Multi-player Zero-Sum Game**

Temelcan G., Albayrak I., Köçken H., Sivri M.

International Conference on Intelligent and Fuzzy Systems, INFUS 2020, İstanbul, Türkiye, 21 - 23 Temmuz 2020, cilt.1197 AISC, ss.1483-1490

IV. **Optimization of Surface Properties of K-Carrageenan/PVA/Eggshell Nanobiocomposites Coated 17-4 PH Stainless Steel Foam**

Karakuş S., Beköz Üllen N., Albayrak F. İ., Insel M. A., Kilislioğlu A.

3rd International Conference on Physical Chemistry & Functional Materials, Malatya, Türkiye, 22 - 24 Eylül 2020, ss.25-32

V. **Mathematical Modelling of Surface Behaviors of ZnO Nanoparticles Coated 17-4 PH Stainless Steel Foam**

Karakuş S., Albayrak F. İ., Beköz Üllen N., Insel M. A., Kilislioğlu A.

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VI. **Comparison of Nontraditional Optimization Techniques in Optimization of Shell and Tube Heat Exchanger**

İnsel M. A., Albayrak F. İ., Köçken H.

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VII. **Fuzzy Modelling on Control of Heat Exchangers**

İnsel M. A., Albayrak F. İ., Köçken H.

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VIII. **An Algorithm for Solving Pure Integer Linear Programming Problems**

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IX. **GENERATING A SET OF COMPROMISE SOLUTIONS OF A MULTI-OBJECTIVE LINEAR PROGRAMMING PROBLEM USING GAME THEORY**

Sivri M., Gonca Köçken H., Albayrak F. İ., Esen H.

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X. **A new method for generating some extreme points of a convex polyhedron for solving multi-objective linear programming problems using game theory approach**

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XI. **A game theory based approach to generate a set of compromise solutions of a multiobjective linear programming problem**

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- XII. **User-Optimum Fuzzy Traffic Assignment Problem**
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- XIII. **User-Optimum Fuzzy Traffic Assignment Problem**
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- XIV. **A Solution Procedure for Interval Transportation Problems via Time-Cost Trade off**
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- XV. **FUZZY ANALYSIS OF A TRAFFIC ASSIGNMENT PROBLEM**
TEMELCAN G., KÖÇKEN H., ALBAYRAK F. İ.
37.YÖNEYLEM ARAŞTIRMASI VE ENDÜSTRİ MÜHENDİSLİĞİ ULUSAL KONGRESİ, Türkiye, 5 - 07 Temmuz 2017
- XVI. **Fuzzy Analysis of a traffic assignment problem**
TEMELCAN G., KÖÇKEN H., ALBAYRAK F. İ.
37. YÖNEYLEM ARAŞTIRMASI VE ENDÜSTRİ MÜHENDİSLİĞİ ULUSAL KONGRESİ, Türkiye, 5 - 07 Temmuz 2017
- XVII. **A New Incremental Technique for solving Nonlinear programming Problems**
SİVRİ M., ALBAYRAK F. İ., TEMELCAN G.
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- XVIII. **A Fuzzy Mathematical Model for personnel selection problem**
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- XIX. **A new iterative approach for solving nonlinear programming problems**
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- XX. **FUZZY EQUILIBRIUM ANALYSIS OF A TRANSPORTATION NETWORK PROBLEM**
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- XXI. **On fuzzy solutions of the nonsquare fully fuzzy linear equation system with arbitrary triangular fuzzy numbers**
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- XXII. **On the Solution of a nxn Fully Fuzzy Linear Equation System with Triangular Fuzzy Numbers**
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- XXIII. **A trace Formula for an abstract Sturm-Liouville operator**
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- XXIV. **On regularized trace of a differential equation with spectral parameter in boundary condition**
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- XXV. **On Green function of fourth ordered differential equation with operator coefficient**
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- XXVI. **Asympyoyic expression of eigenvalues number of even order equation with operator coefficient, given in real axis**
ALBAYRAK F. İ., AKGUN F.
XV. ULUSAL MATEMATİK SEMPOZYUMU, 01 Eylül 2002
- XXVII. **Spectral Parametrede Ağırlık Fonksiyonu Olan Sturm-Liouville Operatör Denklemine Küçük Parametreye**

Göre Negatif Özdeğerler Sayısının Asimptotik İfadesi

ALBAYRAK F. İ., Albayrak İ.

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XXVIII. Çift mertebeden iki terimli diferansiyel operatör denklemin esaslı kendine eşleniği

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XXIX. ÇİFT MERTEBEDEN İKİ TERİMLİ KENDİNE EŞ OPERATÖR KATSAYILI DİFERANSİYEL OPERATÖRÜN REZOLVENTİ ÜZERİNE

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XI. ULUSAL MATEMATİK SEMPOZYUMU, 01 Eylül 1998

XXX. YARI EKSENDE VERİLMİŞ DÖRDÜNCÜ MERTEBEDEN DİFERANSİYEL OPERATÖR DENKLEMİN GREEN FONKSİYONUNUN BULUNMASI

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XI. DİFERANSİYEL DENKLEMLER SEMPOZYUMU, 01 Eylül 1997

Desteklenen Projeler

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Bilimsel Hakemlikler

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Bilimsel Araştırma / Çalışma Grubu Üyelikleri

Multidisciplinary Nanoscience Technology, Yıldız Teknik Üniversitesi, Türkiye, <https://avesis.istanbulc.edu.tr/arastirma-grubu/mnst>, 2021 - Devam Ediyor

Metrikler

Yayın: 73

Atf (WoS): 51

Atf (Scopus): 85

H-İndeks (WoS): 5

H-İndeks (Scopus): 5

Akademi Dışı Deneyim

AK YATIRIM T.A.Ş.