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International Researcher IDs

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Publons / Web Of Science ResearcherID: DXX-2565-2022

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Education Information

Doctorate, Eskişehir Technical University, Institute Of Graduate Programs, Endüstri Mühendisliği (Dr), Turkey 2015 - 2019

Postgraduate, Anadolu University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (YI) (Tezli), Turkey 2012 - 2015

Undergraduate, Izmir University Of Economics, Faculty Of Engineering And Computer Sciences, Department Of Industrial Engineering, Turkey 2008 - 2012

Dissertations

Doctorate, Araç rotalama problemleri için matematiksel modeller ve subgradyant temelli çözüm yaklaşımı, Eskişehir Technical University, Lisansüstü Eğitim Enstitüsü, Endüstri Mühendisliği (Dr), 2019

Postgraduate, Araç Rotalama Problemleri için Matematiksel Modeller ve Çözüm Yöntemleri, Anadolu University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (YI) (Tezli), 2015

Research Areas

Industrial Engineering

Academic Titles / Tasks

Assistant Professor, Bilecik Seyh Edebali University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2020 - Continues

Academic and Administrative Experience

Bilecik Seyh Edebali University, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A novel MIP model and a hybrid genetic algorithm for operation outsourcing in production scheduling with carbon tax policy**
ALPASLAN TAKAN M.
Expert Systems with Applications, vol.251, 2024 (SCI-Expanded)
- II. **A combined phenomenological artificial neural network approach for determination of pyrolysis and combustion kinetics of polyvinyl chloride**
ÖZSİN G., ALPASLAN TAKAN M., Takan A., Pütün A. E.
International Journal of Energy Research, vol.46, no.12, pp.16959-16978, 2022 (SCI-Expanded)
- III. **MULTIOBJECTIVE MATHEMATICAL MODELS AND SOLUTION APPROACHES FOR HETEROGENEOUS FIXED FLEET VEHICLE ROUTING PROBLEMS**
ALPASLAN TAKAN M., Kasimbeyli R.
Journal of Industrial and Management Optimization, vol.17, no.4, pp.2073-2095, 2021 (SCI-Expanded)
- IV. **A hybrid subgradient method for solving the capacitated vehicle routing problem**
ALPASLAN TAKAN M., Kasimbeyli R.
Journal of Nonlinear and Convex Analysis, vol.21, no.2, pp.413-423, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **Neighborhood Selection Using The Analytical Network Process Method For The Capacitated Vehicle Routing Problems**
ALPASLAN TAKAN M., Öztürk Z. K.
Brazilian Journal of Operations and Production Management, vol.20, no.3, 2023 (ESCI)
- II. **A Clustering Algorithm For The Capacitated Vehicle Routing Problems With Stochastic Demands**
ALPASLAN TAKAN M., AĞAYEVA Ç.
Mus Alparslan Üniversitesi Fen Bilimleri Dergisi, vol.10, no.2, pp.955-959, 2022 (Peer-Reviewed Journal)
- III. **Stokastik Talepli Kapasite Kısıtlı Araç Rotalama Problemine Yönelik Karşılaştırmalı Bir Yaklaşım**
AĞAYEVA Ç., ALPASLAN TAKAN M.
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.7, no.2, pp.971-979, 2020 (Peer-Reviewed Journal)
- IV. **Evaluation of Geothermal Energy in Turkey in Terms of Primary Energy Supply**
TAKAN M. A., KANDEMİR S. Y.
Avrupa Bilim ve Teknoloji Dergisi, vol.0, no.Ejosat Özel Sayı 2020 (ISMSIT), pp.381-385, 2020 (Peer-Reviewed Journal)
- V. **Restricted Optimal Control Problem for Stochastic Switching Linear Systems with Variable Delay**
AĞAYEVA Ç., ALPASLAN TAKAN M.
Muş Alparslan Üniversitesi Fen Bilimleri Dergisi, vol.6, no.2, pp.565-574, 2018 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

- I. **Investigation on Kinetics and Thermodynamics of Poly (methyl methacrylate) (PMMA) by Artificial Neural Network Modelling**
ALPASLAN TAKAN M., ÖZSİN G.
International Conference on Engineering Technologies (ICENTE'22), Konya, Turkey, 17 November 2022
- II. **Investigation on Kinetics of Poly(methyl methacrylate)-PMMA degradation by Artificial Neural Network Modeling**
ALPASLAN TAKAN M., ÖZSİN G.
ICENTE22-International Conference on Engineering Technologies, Konya, Turkey, 17 November 2022
- III. **Değişken Makine Hız Kısıtı Altında Enerji-etkin Esnek Atölye Tipi Çizelgeleme**
AKYOL ÖZER E., ALPASLAN TAKAN M.
YAEM 2022-Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi, Denizli, Turkey, 26 October 2022

- IV. **Artificial Neural Network Modeling for The Prediction of Kinetic Parameters of Single-Stage Degrading Polymers**
ÖZSİN G., ALPASLAN TAKAN M., PÜTÜN A. E.
ICONDATA 21-International Conference on Data Science and Applications, Turkey, 4 - 06 June 2021
- V. **Hybrid Algorithm for Solving the Heterogeneous Fixed Fleet Vehicle Routing Problem**
ALPASLAN TAKAN M., KASIMBEYLİ R.
2019 3rd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Ankara, Turkey, 11 - 13 October 2019
- VI. **ARAÇ ROTALAMA PROBLEMİNDE MÜŞTERİ KOORDİNATLARINA VE MÜŞTERİ TALEPLERİNE GÖRE YAPILAN BİR KÜMELEME ALGORİTMASININ ANALİZİ**
ALPASLAN TAKAN M., AĞAYEVA Ç.
ERASMUS Fen, Mühendislik ve Mimarlık Bilimlerinde Uluslararası Akademik Çalışmalar Sempozyumu, 5 - 06 April 2019, vol.1, pp.209-218
- VII. **GEÇİKMELİ STOKASTİK GEÇİŞ SİSTEMLERİ İÇİN TEKİLOPTİMAL KONTROL PROBLEMİ**
AĞAYEVA Ç., ALPASLAN TAKAN M.
ERASMUS Fen, Mühendislik ve Mimarlık Bilimlerinde Uluslararası Akademik Çalışmalar Sempozyumu, İzmir, Turkey, 5 - 06 April 2019, vol.1, pp.29-34
- VIII. **Zaman Pencere Arac Rotalama Problemi İçin Kümeleme Algoritmalarına Dayalı Bir Çözüm Yaklaşımı**
ALPASLAN TAKAN M., AĞAYEVA Ç.
ERASMUS Fen, Mühendislik ve Mimarlık Bilimlerinde Uluslararası Akademik Çalışmalar Sempozyumu, İzmir, Turkey, 5 - 06 April 2019, vol.1, pp.219-228
- IX. **Arac Rotalama Problemlerinin Çözümü İçin Geliştirilen Genişletilmiş Lagrange Fonksiyonu Temelli Çözüm Yöntemi**
ALPASLAN TAKAN M., KASIMBEYLİ R.
39. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi, Ankara, Turkey, 12 - 14 June 2019
- X. **On Some Vehicle Routing Problems With Random Demand**
AĞAYEVA Ç., ALPASLAN TAKAN M.
International Conference on Multidisciplinary, Science, Engineering and Technology, Dubai, United Arab Emirates, 25 - 27 October 2018, pp.115-119
- XI. **Condition of Optimality for Stochastic Switching Linear Systems with Variable Time Delay on State**
AĞAYEVA Ç., ALPASLAN TAKAN M.
International Conference on Multidisciplinary, Science, Engineering and Technology, Dubai, United Arab Emirates, 25 - 27 October 2018, pp.110-114
- XII. **Comparison of Multiobjective Optimization Techniques for the Heterogeneous Fixed Fleet Vehicle Routing Problem**
KASIMBEYLİ R., ALPASLAN TAKAN M.
6. Uluslararası GAP Mühendislik Kongresi, Şanlıurfa, Turkey, 8 - 10 November 2018, pp.467-471
- XIII. **Heterojen filolu bölünmüş talepli stokastik araç rotalama problemi**
ALPASLAN TAKAN M., AĞAYEVA Ç.
STEM, Muş, Turkey, 3 - 05 May 2018, pp.141
- XIV. **Heterogeneous Fleet Stochastic Vehicle Routing Problem with Time Windows**
TUNA G., AĞAYEVA Ç., ALPASLAN M.
EURO 2016 (28th European Conference on Operational Research), Poznan, Poland, 3 - 06 July 2016
- XV. **The Heterogeneous Fleet Split Delivery Stochastic Vehicle Routing Problem**
ALPASLAN M., AĞAYEVA Ç., TUNA G.
EURO 2016 (28th European Conference on Operational Research), Poznan, Poland, 3 - 06 July 2016
- XVI. **A tabu search algorithm for the open vehicle routing problems with new costs**
ALPASLAN M., Tonbul E., ERGİNEL N.
APMOD (Applied Mathematical Programming and Modelling) 2016, Brno, Czech Republic, 8 - 10 June 2016
- XVII. **Arac Rotalama Problemleri için Çok Amaçlı Karma Tamsayılı Matematiksel Modeller**
ALPASLAN TAKAN M., KASIMBEYLİ R.

35. Yöneylem Araştırması ve Endüstri Mühendisliği Kongresi, Ankara, Turkey, 9 - 11 September 2015

XVIII. Minimizing the Maximum Distance of each Route with Penalizing Unused Capacity in Open Vehicle Routing Problem

TUNA BÜYÜKKÖSE G., ALPASLAN TAKAN M., Tonbul E., ERGİNEL N.

27th European Conference on Operational Research, Glasgow, England, 12 - 15 July 2015

XIX. Solving Open Vehicle Routing Problems with Real Life Costs via Genetic Algorithm

Tonbul E., TUNA BÜYÜKKÖSE G., ERGİNEL N., ALPASLAN TAKAN M.

27th European Conference on Operational Research, Glasgow, England, 12 - 15 July 2015

XX. Singular Optimal Control Problem of Stochastic Switching Systems

AĞAYEVA Ç., ALPASLAN TAKAN M.

World Congress on Engineering and Computer Science 2014, 22 - 24 October 2014

XXI. A Two - Objective Mixed Integer Mathematical Model for the Capacitated Vehicle Routing Problem

ALPASLAN TAKAN M., KASIMBEYLİ R.

International Federation of Operational Research Societies, Barselona, Spain, 13 - 18 July 2014

Supported Projects

ALPASLAN TAKAN M., ÖZSİN G., Project Supported by Higher Education Institutions, Termoplastik Polimerlerin Termal Bozunmasının Yapay Sinir Ağları ile Modellenmesi, 2020 - 2021