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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: L-8976-2018

Yoksis Researcher ID: 134535

Education Information

Doctorate, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2009 - 2013

Postgraduate, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2007 - 2009

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2003 - 2007

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Heuristic and exact approaches for multi-objective routing, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, 2013

Postgraduate, Multi-objective route selection, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, 2009

Research Areas

Industrial Engineering , Multiobjective Optimization, Linear Programming, Heuristic Methods, Integer and Mixed Integer Programming, Multi Criteria Decision Making

Academic Titles / Tasks

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2018 - Continues

Assistant Professor, Ted University, Faculty Of Engineering, Department Of Industrial Engineering, 2015 - 2018

Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, 2007 - 2013

Advising Theses

- Tezcaner Öztürk D., Havadan keşif yapan araçlar için çok amaçlı görev planlaması, Postgraduate, A.ATAK(Student), 2023
- Tezcaner Öztürk D., Yarı-istenen tesis yerleşim problemleri için iki amaçlı yaklaşımlar, Postgraduate, F.ERSOY(Student), 2022
- Tezcaner Öztürk D., Nokta hava savunma sistemlerinin konuş yeri seçimi için çok kriterli yaklaşımlar, Postgraduate, S.TAŞDEMİR(Student), 2021
- Köksalan M. M., Tezcaner Öztürk D., Unmanned air vehicle routing with multiple objectives, Doctorate, E.DAŞDEMİR(Student), 2021
- Tezcaner Öztürk D., Testik M. C., Optimization of composite parts placement in autoclave, Postgraduate, G.KIRDAR(Student), 2020
- Tezcaner Öztürk D., Tuncer Şakar C., Heuristic Approaches for the Multi-objective Routing Problem for a Fleet of Unmanned Aerial Vehicles, Postgraduate, B.BİŞKİN(Student), 2019
- Köksalan M. M., Tezcaner Öztürk D., Real time unmanned air vehicle routing, Postgraduate, N.KARABAY(Student), 2018
- Köksalan M. M., Tezcaner Öztürk D., Interactive Approaches for Bi-Objective UAV Route Planning in Continuous Space, Postgraduate, H.Türeci(Student), 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Regression-based multiobjective optimization approaches for the autoclave composite parts placement problem: a mixed integer nonlinear programming model and an evolutionary algorithm**
Kırdar G., TEZCANER ÖZTÜRK D., TESTİK M. C.
Soft Computing, vol.27, no.19, pp.14045-14062, 2023 (SCI-Expanded)
- II. **Biobjective UAV routing for a mission to visit multiple mobile targets**
Karabay N., Köksalan M., TEZCANER ÖZTÜRK D.
OR Spectrum, vol.45, no.3, pp.925-954, 2023 (SCI-Expanded)
- III. **Biobjective route planning for a fleet of UAVs: Exact and heuristic approaches**
Bişkin B., Tezcaner Öztürk D., Tuncer Şakar C.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.38, no.4, pp.2167-2178, 2023 (SCI-Expanded)
- IV. **Biobjective route planning of an unmanned air vehicle in continuous space**
TEZCANER ÖZTÜRK D., Köksalan M.
Transportation Research Part B: Methodological, vol.168, pp.151-169, 2023 (SCI-Expanded)
- V. **A bicriteria approach for the semi-desirable facility location problem Yarı-istenen tesis yer seçimi problemi için iki kriterli bir yaklaşım**
Duran F. E., Tezcaner Öztürk D.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.39, no.1, pp.417-430, 2023 (SCI-Expanded)
- VI. **UAV routing for reconnaissance mission: A multi-objective orienteering problem with time-dependent prizes and multiple connections**
Daşdemir E., Batta R., Köksalan M., Tezcaner Öztürk D.
COMPUTERS & OPERATIONS RESEARCH, vol.145, 2022 (SCI-Expanded)
- VII. **A Multi-objective open vehicle routing problem with overbooking: Exact and heuristic solution approaches for an employee transportation problem**
Daşdemir E., Testik M. C., Tezcaner Öztürk D., Tuncer Şakar C., Güteryüz G., Testik Ö. M.
OMEGA, vol.108, pp.1-16, 2022 (SCI-Expanded)
- VIII. **A flexible reference point-based multi-objective evolutionary algorithm: An application to the UAV route planning problem**
DAŞDEMİR E., Köksalan M., TEZCANER ÖZTÜRK D.
COMPUTERS & OPERATIONS RESEARCH, vol.114, 2020 (SCI-Expanded)
- IX. **An interactive algorithm for multiobjective ranking for underlying linear and quasiconcave value**

functions

TEZCANER ÖZTÜRK D., Koksalan M.

INTERNATIONAL TRANSACTIONS IN OPERATIONAL RESEARCH, 2019 (SCI-Expanded)

- X. **A mixed-method optimisation and simulation framework for supporting logistical decisions during offshore wind farm installations**
Barlow E., Ozturk D., Revie M., Akartunali K., Day A. H., Boulougouris E.
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.264, no.3, pp.894-906, 2018 (SCI-Expanded)
- XI. **An evolutionary approach to generalized biobjective traveling salesperson problem**
Koksalan M., Ozturk D.
COMPUTERS & OPERATIONS RESEARCH, vol.79, pp.304-313, 2017 (SCI-Expanded)
- XII. **An interactive approach for biobjective integer programs under quasiconvex preference functions**
Ozturk D., Koksalan M.
ANNALS OF OPERATIONS RESEARCH, vol.244, no.2, pp.677-696, 2016 (SCI-Expanded)
- XIII. **Exploring the impact of innovative developments to the installation process for an offshore wind farm**
Barlow E., Oeztuerk D., Revie M., Boulougouris E., Day A. H., Akartunali K.
OCEAN ENGINEERING, vol.109, pp.623-634, 2015 (SCI-Expanded)
- XIV. **Constructing a strict total order for alternatives characterized by multiple criteria: An extension**
Dehnokhalaji A., Korhonen P. J., Koksalan M., Nasrabadi N., Ozturk D., Wallenius J.
NAVAL RESEARCH LOGISTICS, vol.61, no.2, pp.155-163, 2014 (SCI-Expanded)
- XV. **An Interactive Algorithm for Multi-objective Route Planning**
Tezcaner D., Koksalan M.
JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS, vol.150, no.2, pp.379-394, 2011 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Multi-Objective Route Planning of a Fleet of Unmanned Aerial Vehicles**
BİŞKİN B., TEZCANER ÖZTÜRK D., TUNCER ŞAKAR C.
30th European Conference on Operational Research (EURO 2019), Dublin, Ireland, 23 - 26 June 2019, pp.208-209
- II. **A Heuristic Approach to Multi-objective Routing Problem for a Fleet of Unmanned Aerial Vehicles**
BİŞKİN B., TEZCANER ÖZTÜRK D., TUNCER ŞAKAR C.
25th International Conference on Multiple Criteria Decision Making (MCDM 2019), İstanbul, Turkey, 16 - 21 June 2019, pp.107
- III. **Farklı Öncelikli Hedefler İçeren Üç-Amaçlı İHA Filosu Rotalama Problemi**
BİŞKİN B., TEZCANER ÖZTÜRK D., TUNCER ŞAKAR C.
39. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi (YA/EM 2019), Ankara, Turkey, 12 - 14 June 2019, pp.100
- IV. **A Preference-Based Evolutionary Algorithm and Implementation on UAV Route Planning in Continuous Space**
DAŞDEMİR E., TEZCANER ÖZTÜRK D., KÖKSALAN M. M.
24th International Conference on MCDM, 10 - 14 July 2017
- V. **Çok Kriterli İnsansız Hava Aracı Rota Planlama Problemi için bir Evrimsel Algoritma**
DAŞDEMİR E., TEZCANER ÖZTÜRK D., KÖKSALAN M. M.
YAEM 2017, Ankara, Turkey, 5 - 07 July 2017
- VI. **A Preference Based Evolutionary Algorithm for Bi Objective UAV Route Planning in Continuous Space**
DAŞDEMİR E., TEZCANER ÖZTÜRK D., KÖKSALAN M. M.
INFORMS Annual Meeting 2016, Nashville, United States Of America, 13 - 16 November 2016
- VII. **A Preference based Multi objective Evolutionary Algorithm for Bi objective UAV Route Planning in Continuous Space**

DAŞDEMİR E., TEZCANER ÖZTÜRK D., KÖKSALAN M. M.
12th MCDA/M Summer School, Recife, Brazil, 18 - 29 July 2016

Supported Projects

Köksalan M., Tezcaner Öztürk D., Karabay N., Other International Funding Programs, Real-Time Biobjective UAV Route Planning, 2016 - 2018

Köksalan M., Tezcaner Öztürk D., Daşdemir E., Türeci H., Other International Funding Programs, Interactive Approaches for Bi-Objective UAV Route Planning in Continuous Space, 2015 - 2017

Metrics

Publication: 25

Citation (WoS): 41

Citation (Scopus): 48

H-Index (WoS): 4

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