

Assoc. Prof. DİCLEHAN TEZCANER ÖZTÜRK

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

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 Positions

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

Courses

Postgraduate

- EMÜ 678 Lojistik, Postgraduate, 2024 - 2025
EMÜ 652 Çok Amaçlı Kombinatorial Optimizasyon, Postgraduate, 2023 - 2024, 2022 - 2023
EMÜ 651 Optimizasyon Teorisi, Postgraduate, 2023 - 2024, 2021 - 2022
EMÜ 648 Lojistik, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019
EMÜ 691 Endüstri Mühendisliğinde Özel Problemler, Postgraduate, 2020 - 2021
EMÜ 621 Optimizasyon Teknikleri ve Uygulamaları, Postgraduate, 2019 - 2020
IE 547 Modelling and Analysis of Uncertainty, Postgraduate, 2016 - 2017, 2015 - 2016

Undergraduate

- EMÜ 221 Introduction to Modeling and Optimization, Undergraduate, 2024 - 2025, 2022 - 2023, 2020 - 2021, 2018 - 2019
EMÜ 222 Deterministic Operations Research, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2018 - 2019
EMÜ 447 Distribution Logistics, Undergraduate, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2018 - 2019
EMÜ 444 Scheduling and Sequencing, Undergraduate, 2023 - 2024, 2021 - 2022
EMÜ 429 Multiobjective Combinatorial Optimization, Undergraduate, 2021 - 2022
EMÜ 491 Special Topics in Industrial Engineering, Undergraduate, 2019 - 2020
IE 212 LEAN PROCESS DESIGN, Undergraduate, 2017 - 2018, 2015 - 2016
IE 312 Manufacturing and Service Operations Planning II, Undergraduate, 2017 - 2018, 2015 - 2016
IE 464 Distribution Logistics, Undergraduate, 2016 - 2017, 2015 - 2016

Supervised 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

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Interactive biobjective optimization algorithms and an application to UAV routing in continuous space**
Tureci-Isik H., Koksalan M., TEZCANER ÖZTÜRK D.
TRANSPORTATION RESEARCH PART B-METHODOLOGICAL, 2025 (SCI-Expanded)
- II. **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)
- III. **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)

- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **A flexible reference point-based multi-objective evolutionary algorithm: An application to the UAV route planning problem**
DAŞDEMİR E., Koksalan M., TEZCANER ÖZTÜRK D.
COMPUTERS & OPERATIONS RESEARCH, vol.114, 2020 (SCI-Expanded)
- X. **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)
- XI. **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)
- XII. **An evolutionary approach to generalized biobjective traveling salesperson problem**
Koksalan M., Ozturk D.
COMPUTERS & OPERATIONS RESEARCH, vol.79, pp.304-313, 2017 (SCI-Expanded)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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)

Articles Published in Other Journals

- I. **BÖLGESEL KEŞİF YAPAN HAVA ARAÇLARI İÇİN İKİ AMAÇLI GÖREV PLANLAMASI**
ATAK A., TEZCANER ÖZTÜRK D.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.29, no.2, pp.413-430, 2024 (Peer-Reviewed Journal)

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Otoklavlarda Kürlenme Süresinin Tahmin Edilmesine Yönelik Yaklaşımlar**
Yücel T., TEZCANER ÖZTÜRK D., TESTİK M. C.
11. Savunma Teknolojileri Kongresi, SAVTEK, Ankara, Turkey, 10 September 2024, (Summary Text)
- II. **Zaman Pencereci Çok Amaçlı Takım Oryantiring Problemi İçin Popülasyon Temelli Yaklaşım**
KOÇ A., TEZCANER ÖZTÜRK D., TUNCER ŞAKAR C.
42. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi (YAEM 2023), Gaziantep, Turkey, 1 - 03 November 2023, (Summary Text)
- III. **Taşıma Maliyeti Ve Toplam İstenmeyen Etkiyi Gözeten Yarı-İstenen Tesis Yer Seçimi Problemi İçin Popülasyon-temelli Bir Çözüm Yöntemi**
ERSOY DURAN F., TEZCANER ÖZTÜRK D.
42. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi (YAEM 2023), Gaziantep, Turkey, 1 - 03 November 2023, (Summary Text)
- IV. **Bölgesel Keşif Yapan Hava Araçları İçin İki Amaçlı Yaklaşımlar**
ATAK A., TEZCANER ÖZTÜRK D.
42. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi (YAEM 2023), Gaziantep, Turkey, 1 - 03 November 2023, (Summary Text)
- V. **A reinforcement learning based approach for the multi-objective traveling salesman problem: Q-learning**
KOÇ A., TEZCANER ÖZTÜRK D.
15th International Conference on Multiple Objective Programming and Goal Programming, İzmir, Turkey, 2 - 04 October 2023, (Summary Text)
- VI. **Taşıma Maliyeti ve Toplam İstenmeyen Etkiyi Gözeten Yarı-İstenen Tesis Yer Seçimi Problemi için Sezgisel bir Yaklaşım**
ERSOY DURAN F., TEZCANER ÖZTÜRK D.
41. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi (YAEM 2022), Denizli, Turkey, 26 - 28 October 2022, (Summary Text)
- VII. **Estimating the Time to Reach the Curing Temperature in Autoclave Curing Processes**
Kırdar G., TEZCANER ÖZTÜRK D., TESTİK M. C.
ENBIS-21 Conference, Turkey, 13 - 15 September 2021, (Summary Text)
- VIII. **Biobjective Approaches for Locating a Semi-Desirable Facility**
TEZCANER ÖZTÜRK D., ERSOY DURAN F.
EURO 2021, Atina, Greece, 11 - 14 July 2021, (Summary Text)
- IX. **Nokta Hava Savunma Sistemlerinin Konuş Yeri Seçimi için Çok Kriterli Yaklaşımlar**
Taşdemir S., TEZCANER ÖZTÜRK D.
40. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi (YAEM 2021), İstanbul, Turkey, 5 - 07 July 2021, (Summary Text)
- X. **Taşıma Maliyeti ve Maksimum Etkiyi Minimize Eden Yarı-İstenen Tesis Yer Seçimi Problemi**
ERSOY DURAN F., TEZCANER ÖZTÜRK D.
40. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi (YAEM 2021), İstanbul, Turkey, 5 - 07 July 2021, (Summary Text)
- XI. **Sürekli Arazide Hareket Modellemesi ile İnsansız Hava Araçları için Çok Amaçlı Rotalama**
DAŞDEMİR E., TEZCANER ÖZTÜRK D., Köksalan M.

40. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi (YAEM 2021), İstanbul, Turkey, 5 - 07 July 2021, (Summary Text)
- XII. **UAV Routing to Maximize Information Gain in a Monitored Environment with Time and Radar Restrictions**
Daşdemir E., Batta R., Köksalan M., Tezcaner Öztürk D.
INFORMS Annual Meeting 2019, Washington, United States Of America, 13 - 16 November 2019, pp.1, (Summary Text)
- XIII. **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, (Summary Text)
- XIV. **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, (Summary Text)
- XV. **Real-Time Biobjective UAV Route Planning in Continuous Terrain**
TEZCANER ÖZTÜRK D., Köksalan M., Karabay N.
25th International Conference on Multiple Criteria Decision Making (MCDM 2019), İstanbul, Turkey, 16 - 21 June 2019, (Summary Text)
- XVI. **Interactive Algorithms for Biobjective UAV Route Planning Problem in Continuous Terrain**
TÜRECİ H., TEZCANER ÖZTÜRK D., Köksalan M.
25th International Conference on Multiple Criteria Decision Making (MCDM 2019), İstanbul, Turkey, 16 - 21 June 2019, (Summary Text)
- XVII. **A Preference-Based Multi-Objective Evolutionary Algorithm Based Solution Approach to Bi and Three-Objective UAV Route Planning Problems in Continuous Space**
Daşdemir E., Tezcaner Öztürk D., Köksalan M.
MCDM 2019 - 25th International Conference on Multiple Criteria Decision Making, İstanbul, Turkey, 16 - 21 June 2019, pp.1, (Summary Text)
- XVIII. **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, (Summary Text)
- XIX. **İnsansız Hava Araçları için Çok Amaçlı Rotalama**
DAŞDEMİR E., TEZCANER ÖZTÜRK D., Köksalan M., Batta R.
39. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi (YAEM 2019), Ankara, Turkey, 12 - 14 June 2019, (Summary Text)
- XX. **Interactive approaches for bi-objective UAV route planning in continuous space**
TÜRECİ H., KÖKSALAN M. M., TEZCANER ÖZTÜRK D.
EURO 2018, Valensiya, Spain, 8 - 11 July 2018, (Summary Text)
- XXI. **Sürekli Uzayda İki Amaçlı İHA Güzergah Planlaması**
TÜRECİ H., TEZCANER ÖZTÜRK D., Köksalan M.
38. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi (YAEM 2018), Eskişehir, Turkey, 26 - 29 June 2018, (Summary Text)
- XXII. **Gerçek Zamanlı İnsansız Hava Aracı Rota Planlaması**
TEZCANER ÖZTÜRK D., Köksalan M., Karabay N.
38. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi (YAEM 2018), Eskişehir, Turkey, 26 - 29 June 2018, (Summary Text)
- XXIII. **Esnek Zaman Aralıklı Çok Kriterli İnsansız Hava Aracı Rota Planlama Problemi**
DAŞDEMİR E., TEZCANER ÖZTÜRK D., Köksalan M.
38. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi (YAEM 2018), Eskişehir, Turkey, 26 - 29 June 2018, (Summary Text)

- XXIV. **Real Time Bicriteria Route Planning for Unmanned Air Vehicles**
KÖKSALAN M. M., TEZCANER ÖZTÜRK D., KARABAY N.
INFORMS 2017, Houston, United States Of America, 22 - 25 October 2017, (Summary Text)
- XXV. **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, (Summary Text)
- XXVI. **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, (Summary Text)
- XXVII. **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, (Summary Text)
- XXVIII. **An Interactive Approach For Biobjective UAV Route Planning In Continuous Space**
Köksalan M., TEZCANER ÖZTÜRK D., TÜRECİ H.
INFORMS 2016, Nashville, United States Of America, 13 - 16 November 2016, (Summary Text)
- XXIX. **Bi-Objective Route Planning for Unmanned Air Vehicles in Continuous Space**
TEZCANER ÖZTÜRK D., Köksalan M.
INFORMS 2015, Philadelphia, United States Of America, 1 - 04 November 2015, (Summary Text)
- XXX. **Sürekli Hareket Alanında İnsansız Hava Aracı Rotalama Problemi**
TEZCANER ÖZTÜRK D., Köksalan M.
35. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi (YAEM 2015), Ankara, Turkey, 9 - 11 September 2015, (Summary Text)
- XXXI. **A Support Tool for Assessing the Risks of Heavy Lift Vessel Logistics in the Installation of Offshore Wind Farms**
Barlow E., TEZCANER ÖZTÜRK D., Day A. H., Boulougouris E., Revie M., Akartunalı K.
Marine Heavy Transport and Lift IV, Londrina, Brazil, 29 - 30 October 2014, (Full Text)
- XXXII. **Bi-Objective Route Planning for Unmanned Vehicles in Continuous Space**
TEZCANER ÖZTÜRK D., Köksalan M.
20th Conference of the International Federation of Operational Research Societies (IFORS 2014), Barsezona, Spain, 13 - 18 July 2014, (Summary Text)
- XXXIII. **Stochastic Project Scheduling for Wind Farm Installation**
TEZCANER ÖZTÜRK D., Barlow E., Akartunalı K., Revie M., Day A. H., Boulougouris E.
20th Conference of the International Federation of Operational Research Societies (IFORS 2014), Barsezona, Spain, 13 - 18 July 2014, (Summary Text)
- XXXIV. **An Assessment of Vessel Characteristics for the Installation of Offshore Wind Farms**
Barlow E., TEZCANER ÖZTÜRK D., Day A. H., Boulougouris E., Revie M., Akartunalı K.
International Conference on Maritime Technology 2014, Glasgow, England, 7 - 09 July 2014, (Full Text)
- XXXV. **An Interactive Algorithm for Bi-Objective Routing Problems**
TEZCANER ÖZTÜRK D., Köksalan M.
22nd International Conference on Multiple Criteria Decision Making (MCDM 2013), Malaga, Spain, 17 - 21 June 2013, (Summary Text)
- XXXVI. **Bi-Criteria Route Planning for Unmanned Air Vehicles**
TEZCANER ÖZTÜRK D., Köksalan M.
INFORMS 2011, North Carolina, United States Of America, 13 - 16 November 2011, (Summary Text)
- XXXVII. **An Interactive Algorithm for a Bi-Criteria Routing Problem**
TEZCANER ÖZTÜRK D., Köksalan M.
21st International Conference on Multiple Criteria Decision Making (MCDM 2011), Jyvaskyla, Finland, 13 - 17 June 2011, (Summary Text)
- XXXVIII. **An Interactive Approach for Multi-Objective Route Selection Problem**

TEZCANER ÖZTÜRK D., Köksalan M.

EURO 2009, Bonn, Germany, 5 - 08 July 2009, (Summary Text)

Funded 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., Türeçci H., Other International Funding Programs, Interactive Approaches for Bi-Objective UAV Route Planning in Continuous Space, 2015 - 2017

Tezcaner Öztürk D., Barlow E., Akartunalı K., Revie M., Boulougouris E., Day A. H., Industrial Organizations of Other Countries Supported Project, Analysis and Optimisation of Offshore Wind Farm Installation Logistics, 2013 - 2015

Metrics

Publication: 55

Citation (WoS): 41

Citation (Scopus): 52

H-Index (WoS): 4

H-Index (Scopus): 4