

## Asst. Prof. RİFAT AYKUT ARAPOĞLU

### Personal Information

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### International Researcher IDs

ORCID: 0000-0001-5831-932X

Yoksis Researcher ID: 182208

### Education Information

Doctorate, University of Pittsburgh, Mühendislik Fakültesi, Endüstri Müh. Bölümü, United States Of America 1996 - 2000

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Endüstri Mühendisliği (YI) (Tezli), Turkey 1990 - 1993

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 1985 - 1990

### Foreign Languages

French, C1 Advanced

English, C1 Advanced

### Dissertations

Postgraduate, Mean value algorithms and heuristics for queueing networks, Middle East Technical University, Görme Engelliler Eğitimi Abd, Endüstri Mühendisliği (YI) (Tezli), 1993

### Research Areas

Industrial Engineering , Stochastic Modeling, Optimization Theory and Methods, Simulation, Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ, 2018 - Continues

Assistant Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ, 2001 - 2018

Research Assistant, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ, 1994 - 2001

Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, 1991 - 1994

## Academic and Administrative Experience

Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, 2010 - Continues  
Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, 2008 - Continues  
Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, 2006 - 2009

## Courses

SİSTEM TASARIMI (2. ÖĞRETİM), Undergraduate, 2017 - 2018  
OLASILIK, Undergraduate, 2017 - 2018, 2016 - 2017  
RASSAL MODELLER, Undergraduate, 2017 - 2018  
RASSAL MODELLER (2. ÖĞRETİM), Undergraduate, 2017 - 2018  
RASSAL SÜREÇLER, Doctorate, 2017 - 2018  
SERVİS SİSTEMLERİ (2. ÖĞRETİM), Undergraduate, 2017 - 2018  
SİSTEM TASARIMI, Undergraduate, 2017 - 2018  
SİSTEM TASARIMI (2. ÖĞRETİM), Undergraduate, 2017 - 2018  
SERVİS SİSTEMLERİ, Undergraduate, 2017 - 2018  
İNGİLİZCE YAZIŞMA TEKNİKLERİ, Undergraduate, 2016 - 2017  
KUYRUK MODELLERİ ARAŞTIRMALARI (MEZUNİYET PROJELERİ), Undergraduate, 2016 - 2017  
UZMANLIK ALAN DERSİ (YL), Postgraduate, 2016 - 2017  
KUYRUK MODELLERİ ARAŞTIRMASI (MEZ. PROJELERİ - 2. ÖĞRETİM), Undergraduate, 2016 - 2017  
UZMANLIK ALAN DERSİ (DR), Doctorate, 2016 - 2017  
BENZETİM, Undergraduate, 2016 - 2017  
BENZETİM (2. ÖĞRETİM), Undergraduate, 2016 - 2017  
SERİM KURAMI, Doctorate, 2016 - 2017  
İNGİLİZCE YAZIŞMA TEKNİKLERİ (2. ÖĞRETİM), Undergraduate, 2016 - 2017  
STOCHASTIC MODELS (ANADOLU UNIVERSITY), Undergraduate, 2016 - 2017

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Multi-choice conic goal programming model-based network data envelopment analysis**  
Deliktaş D., Üstün Ö., Aktar Demirtaş E., Arapoğlu R. A.  
RAIRO RECHERCHE OPERATIONNELLE, vol.58, pp.3391-3416, 2024 (SCI-Expanded)
- II. **Development of an ANN-based decision-making method for determining optimum parameters in turning operation**  
ORAK S., ARAPOĞLU R. A., SOFUOĞLU M. A.  
SOFT COMPUTING, vol.22, no.18, pp.6157-6170, 2018 (SCI-Expanded)
- III. **An ANN-Based Method to Predict Surface Roughness in Turning Operations**  
ARAPÖĞLU R. A., SOFUOĞLU M. A., ORAK S.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.42, no.5, pp.1929-1940, 2017 (SCI-Expanded)
- IV. **Locating input and output points in facilities design - A comparison of constructive, evolutionary, and exact methods**  
ARAPÖĞLU R. A., Norman B., Smith A.  
IEEE TRANSACTIONS ON EVOLUTIONARY COMPUTATION, vol.5, no.3, pp.192-203, 2001 (SCI-Expanded)
- V. **Integrated facilities design using a contour distance metric**  
Norman B., ARAPOĞLU R. A., Smith A.  
IIE TRANSACTIONS, vol.33, no.4, pp.337-344, 2001 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Efficiency analysis of OECD countries during COVID-19 pandemic using multi-stage DEA**  
Kıdak Ş. M., Arapoğlu R. A., Aktar Demirtaş E.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.29, no.5, pp.426-439, 2023 (ESCI)
- II. **MULTI OBJECTIVE OPTIMIZATION OF TURNING OPERATION USING HYBRID DECISION MAKING ANALYSIS**  
Sofuoğlu M. A., Arapoğlu R. A., Orak S.  
Anadolu University Journal of Science and Technology A - Applied Sciences and Engineering, vol.18, no.3, pp.595-610, 2017 (Peer-Reviewed Journal)
- III. **USE OF REGRESSION IN NOISY SPEECH RECOGNITION**  
ERGİN S., ARAPOĞLU R. A.  
Dumlupınar Üniversitesi Sosyal Bilimler Dergisi, pp.495-501, 2014 (Peer-Reviewed Journal)
- IV. **Integrated facility design using an evolutionary approach with a subordinate network algorithm**  
Norman B. A., Smith A. E., ARAPOĞLU R. A.  
PARALLEL PROBLEM SOLVING FROM NATURE - PPSN V, vol.1498, pp.937-946, 1998 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **TRAVELLING SALESMAN PROBLEM WITH HOTEL SELECTION AND THE CASE OF SAMSUN**  
Algül B., Arapoğlu R. A.  
12th International Congress on Engineering and Technology (ICET 2024), İstanbul, Turkey, 9 - 10 November 2024, pp.11
- II. **PERFORMANCE EVALUATION OF ANATOLIAN HIGH SCHOOLS IN ESKISEHIR USING DEA**  
Arapoğlu R. A.  
13th International Congress on Engineering, Architecture and Design, İstanbul, Turkey, 8 - 09 June 2024, pp.684-685
- III. **Uzel H. A., Gürcü A., Arapoğlu R. A.**  
10th International Congress on Engineering and Technology Management, İstanbul, Turkey, 14 - 15 October 2023, pp.217-225
- IV. **Analysis of a Roadside Restaurant Using Queueing Network Models**  
Arapoğlu R. A.  
1st International Conference on Modern and Advanced Research, Konya, Turkey, 29 - 31 July 2023, pp.118
- V. **A Bi-objective Optimization Model for Medical Waste Collection Problem**  
Arapoğlu R. A.  
EurAsia Waste Management Symposium, İstanbul, Turkey, 24 - 26 October 2022, pp.556-562
- VI. **Time - Constrained Touristic Route Planning: The Case of Eskisehir**  
Arapoğlu R. A.  
4th International Conference on Advanced Engineering Technologies (ICADET), Bayburt, Turkey, 28 - 30 September 2022, pp.478-482
- VII. **Efficiency Analysis of Countries During Covid-19 Pandemic**  
Kıdak Ş. M., Arapoğlu R. A., Aktar Demirtaş E.  
International Symposium on Global Pandemics and Multidisciplinary Covid-19 Studies, Ankara, Turkey, 19 - 20 March 2021, pp.153
- VIII. **Productivity Improvement at Motor Vehicle Inspection Station by using Taguchi Approach**  
Arapoğlu R. A.  
5th EurAsia Waste Management Symposium (EWMS) 2020 , İstanbul, Turkey, 26 - 28 October 2020, pp.441-445
- IX. **Medical Waste Collection Problem: A Case Study in Eskişehir**  
Arapoğlu R. A.

5th EurAsia Waste Management Symposium (EWMS) 2020, İstanbul, Turkey, 26 - 28 October 2020, pp.660-665

- X. **Evaluation of the Learning Management System Selection Criteria Using Analytic Network Process**  
Arapoğlu R. A., Yıldız A.  
6th International Conference on Harmony Search, Soft Computing and Applications (ICHSA 2020), İstanbul, Turkey, 16 - 17 July 2020, pp.46
- XI. **PERFORMANCE EVALUATION OF A MOTOR VEHICLE INSPECTION STATION BY USING SIMULATION**  
Arapoğlu R. A.  
3. INTERNATIONAL 19 MAY INNOVATIVE SCIENTIFIC APPROACHES CONGRESS, Samsun, Turkey, 16 - 19 May 2020, pp.91-92
- XII. **Evaluation of Undergraduate Graduation Projects using Best - Worst Method**  
Yıldız A., Arapoğlu R. A.  
39. Yöneylem Araştırması ve Endüstri Müh. Ulusal Kongresi, Ankara, Turkey, 12 - 14 June 2019, pp.75-76
- XIII. **Heterogeneous Fixed Fleet Vehicle Routing Problem and An Application**  
Arapoğlu R. A., Yıldız A.  
39. Yöneylem Araştırması ve Endüstri Müh. Ulusal Kongresi, Ankara, Turkey, 12 - 14 June 2019, pp.57-58
- XIV. **Heterojen Filolu Açık Araç Rotalama Problemi**  
ARAPOĞLU R. A., YILDIZ A.  
38. Yöneylem Araştırması Endüstri Mühendisliği Ulusal Kongresi (YAEM 2018 ), Turkey, 26 - 29 June 2018

## Supported Projects

Uzel H. A., Gürcü A., Arapoğlu R. A., TUBITAK Project, Investigation of Factors Affecting Fresh Cake Shelf Life, 2021 - 2022  
Orak S., Arapoğlu R. A., TUBITAK Project, Tornalama İşleminde Tırlama Titreşimlerinin Deneysel-Sayısal Olarak Araştırılması Ve Tırlama Titreşimlerinin Önlenmesi , 2015 - 2016

## Scientific Refereeing

ESKİŞEHİR TECHNICAL UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY A- APPLIED SCIENCES AND ENGINEERING, Other Indexed Journal, July 2019

Uludağ University Journal of The Faculty of Engineering, Other Indexed Journal, November 2018

## Metrics

Publication: 30

Citation (WoS): 93

Citation (Scopus): 104

H-Index (WoS): 4

H-Index (Scopus): 5

## Non Academic Experience

American Greetings Co. Genel Merkezi, Cleveland, Ohio, ABD