

## Asst. Prof. Erdem AKSAKAL

### Personal Information

Office Phone: [+90 231 601 4](tel:+902316014)

Web: <https://avesis.atauni.edu.tr/erdem.aksakal>

### International Researcher IDs

ScholarID: 11VV-RsAAAAJ

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Publons / Web Of Science ResearcherID: AAD-3971-2020

Yoksis Researcher ID: 103090

### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, Turkey 2009 - 2015

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, Turkey 2007 - 2009

Undergraduate, Cankaya University, Faculty Of Engineering, Endüstri Mühendisliği, Turkey 1997 - 2002

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Yetenek yönetimi temelli personel atama probleminin çok amaçlı bulanık modellenmesi, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, 2015

Postgraduate, Bulanık aksiyomatik tasarım yönteminin personel seçim problemine uygulanması, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, 2009

### Research Areas

Industrial Engineering , Optimization Theory and Methods, Multiobjective Optimization, Ergonomics and Occupational Safety, Work Measurement and Methods Engineering, Strategic planning, Technology and Inovation Management, Decision Theory, Multi Criteria Decision Making, Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Ataturk University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2016 - Continues

### Academic and Administrative Experience

Performans Değerlendirme Komisyonu Üyesi, Ataturk University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2021 - Continues

Adaptation/Exemption Committee Member, Ataturk University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2019 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Ataturk University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2018 - Continues

## Courses

İş Sağlığı ve Güvenliği Mevzuatı, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Çok Ölçütlü Karar Verme Problemleri, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Endüstri Mühendisliği Laboratuvarı, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Seçmeli Tasarım II, Undergraduate, 2023 - 2024

Bulanık Küme Teorisi, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Endüstri Mühendisliği Uygulamaları (Modern), Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

İnsan Kaynakları Yönetimi, Undergraduate, 2023 - 2024

İnsan Kaynakları Yönetimi, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Seçmeli Tasarım I, Undergraduate, 2023 - 2024

Girişimcilik ve İnovasyon Yönetimi, Postgraduate, 2023 - 2024, 2021 - 2022, 2020 - 2021

Yöneylem Araştırması I, Undergraduate, 2021 - 2022

Çok Ölçütlü Karar Verme Problemleri, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

İş Sağlığı ve Güvenliği I, Undergraduate, 2021 - 2022, 2020 - 2021

İş Sağlığı ve Güvenliği II, Undergraduate, 2020 - 2021

İş Sağlığı ve Güvenliği II, Undergraduate, 2020 - 2021

İnsan Kaynakları Yönetimi, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Lojistik Bilgi Sistemleri, Undergraduate, 2021 - 2022

Bitirme Projesi II, Undergraduate, 2019 - 2020

Endüstri Mühendisliği Seçmeli Tasarımı II, Undergraduate, 2019 - 2020

Bitirme Projesi II, Undergraduate, 2019 - 2020

İş Güvenliği ve Mühendislik Etiği, Undergraduate, 2020 - 2021

Endüstri Mühendisliği Tasarımı 1, Undergraduate, 2019 - 2020

Endüstri Mühendisliği Tasarımı 1, Undergraduate, 2019 - 2020

Bitirme Projesi 1, Undergraduate, 2019 - 2020

Genel Ekonomi, Undergraduate, 2018 - 2019

Endüstri Mühendisliği Seçmeli Tasarım I, Undergraduate, 2018 - 2019

Bitirme Projesi I, Undergraduate, 2018 - 2019

İstatistiksel Kalite Kontrol, Undergraduate, 2017 - 2018

## Advising Theses

Aksakal E., Çevresel koşullar ve kişisel beklentiler temelinde alternatif rota planlamasına bütünlük bir karar verme yaklaşımı, Postgraduate, E.MESUT(Student), 2021

Aksakal E., Ar-Ge proje seçim sürecinin fayda temelli değerlendirilmesi: UTA ve UTASTAR yöntemleri ile bir uygulama, Postgraduate, E.BİNİCİ(Student), 2019

AKSAKAL E., TÜRKİYE'DE MEYDANA GELEBİLECEK DEPREMLERE KARŞI AFET YÖNETİM SİSTEMİ VE ACİL DURUM YÖNETİMİ PERFORMANSININ VERİ ZARFLAMA ANALİZİ İLE DEĞERLENDİRİLMESİ, Postgraduate, U.Altınsoy(Student), 2018

## Jury Memberships

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, December, 2021

Doctorate, Doctorate, Atatürk Üniversitesi, May, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, December, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, November, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, June, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, June, 2020

Doctoral Examination, Doktora Yeterlik Jürisi, Atatürk Üniversitesi, May, 2018

Academic Staff Examination, Araştırma Görevlisi Alım Sınavı, Atatürk Üniversitesi, January, 2018

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

- I. **Group Decision Making for Hazard Analysis and Consequence Modelling Software Selection with AHP**  
ÇETİNYOKUŞ S., ÇALIŞKAN E., AKSAKAL E., ÇETİNYOKUŞ T.  
IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION, vol.39, no.3, pp.303-318, 2020 (SCI-Expanded)
- II. **Hybrid Use of Likert Scale-Based AHP and PROMETHEE Methods for Hazard Analysis and Consequence Modeling (HACM) Software Selection**  
Caliskan E., AKSAKAL E., Cetinyokus S., Cetinyokus T.  
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, vol.18, no.5, pp.1689-1715, 2019 (SCI-Expanded)
- III. **TALENT MANAGEMENT BASED PERSONNEL ASSIGNMENT MODEL AND SOLUTION PROPOSAL**  
AKSAKAL E., Dagdeviren M.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.30, no.2, pp.249-262, 2015 (SCI-Expanded)
- IV. **AN INTEGRATED APPROACH FOR PERSONEL SELECTION WITH DEMATEL AND ANP METHODS**  
AKSAKAL E., Dagdeviren M.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.25, no.4, pp.905-913, 2010 (SCI-Expanded)

## Articles Published in Other Journals

- I. **EVALUATION OF THE CRITERIA TO BE CONSIDERED WHEN SELECTING ONLINE SHOPPING SITES BASED ON INDUSTRY 4.0 WITH DEMATEL METHOD**  
Durmaz Z., Aksakal E.  
KSÜ Mühendislik Bilimleri Dergisi, vol.26, no.Özel Sayı, pp.1147-1155, 2023 (Peer-Reviewed Journal)
- II. **Performance evaluation of disaster management system for earthquake that may occur with data envelopment analysis in Turkey**  
Altınsoy U., Aksakal E.  
Dicle Üniversitesi Mühendislik Fakültesi, vol.11, no.1, pp.341-352, 2020 (Peer-Reviewed Journal)
- III. **A new approach to R&D project selection problem and a solution proposal: UTA method**  
Binici E., AKSAKAL E.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.26, no.1, pp.211-226, 2020 (ESCI)

## Books & Book Chapters

- I. **Kayak Ekipmanı Seçiminde Dikkate Alınacak Kriterlerin Bulanık Pisagor Entropi Yöntemi ile Değerlendirilmesi**  
AKSAKAL E.  
in: BULANIK ÇOK KRİTERLİ KARAR VERME YÖNTEMLERİ, Kabak Mehmet, Erdebilli Babek, Editor, Nobel Akademik Yayıncılık Eğitim Danışmanlık Tic. Ltd. Şti., Ankara, pp.188-199, 2021
- II. **Olimpiyatlara Aday Şehirlerin Seçim Sürecinde Dikkate Alınacak Kriterlerin Entropi Yöntemi ile Değerlendirilmesi**  
AKSAKAL E., ÇALIŞKAN E.  
in: Çok Kriterli Karar Verme Yöntemleri MS Excel Çözümlü Uygulamalar, Kabak MEHmet, Çınar Yetkin, Editor, Nobel Akademik Yayıncılık Eğitim Danışmanlık Tic. Ltd. Şti., Ankara, pp.169-181, 2020

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Kayak Merkezi Seçimi Problemine Entropy Ve Irp Yöntemleri İle Bütünleşik Bir Yaklaşım: Türkiye Uygulaması**  
Erzincanlı T., AKSAKAL E.  
I.LULUSLARARASI KIŞ TURİZMİ KONGRESİ, 19 - 21 December 2019
- II. **Güneş Enerjisi Santralleri ile Enerji Üreten Ülkelerin Etkinliklerinin Veri Zarflama Analizi ile Belirlenmesi**  
ALTINSOY U., AKSAKAL E.  
4th International Energy Engineering Congress, 24 - 25 October 2019
- III. **Cultural destination selection by utilizing DEMATEL and VIKOR methods**  
AKSAKAL E., ÇALIŞKAN E.  
Operations Research 2019, 3 - 06 September 2019
- IV. **Hybrid Use of AHP and IRP Methods for Ski Destination Selection: A Case for Turkey**  
AKSAKAL E., ERZİNCANLI T.  
30th European Conference on Operational Research, 23 - 26 June 2019
- V. **Altı Sigma Yaklaşımı İle Ofis Ergonomisinin Değerlendirilmesi Üzerine Bir Uygulama**  
YILMAZ E. M., AKSAKAL E.  
24. ULUSAL ERGONOMİ KONGRESİ, Turkey, 28 - 30 September 2018
- VI. **Çağrı Merkezi Çalışanlarının İş Yükü Yoğunluklarının Bulanık Analitik Hiyerarşi Proses Yöntemi ile Değerlendirilmesi**  
AKAR E. M., AĞIR T., ERKEK B., KURT B., AKSAKAL E.  
24. ULUSAL ERGONOMİ KONGRESİ, Turkey, 28 - 30 September 2018
- VII. **RD Project Selection with use of ANP and DEMA-TEL Methods**  
AKSAKAL E., BİNİCİ E.  
Operations Research 2018, 12 - 14 September 2018
- VIII. **Research and Development Project Selection using UTA Method**  
AKSAKAL E., BİNİCİ E.  
11th Triennial Conference of Association of Asia Pacific Operational Research Societies, 6 - 09 August 2018
- IX. **Evaluation of disaster management system: a case study of earthquake performance in Turkey**  
AKSAKAL E., ALTINSOY U.  
29th European Conference on Operational Research, 8 - 11 July 2018
- X. **Sustainable tourism destination selection under the effect of digital economy**  
AKSAKAL E.  
INTERNATIONAL CONFERENCE ON OPERATIONS RESEARCH, 6 - 08 September 2017
- XI. **Chinese Postman Problem Approach for Waste Collection Operations in the City of Erzurum in Turkey**  
YILMAZ M., KAYACI ÇODUR M., AKSAKAL E.  
21st Conference of the International Federation of Operational Research Societies (IFORS 2017), Quebec, Canada,

17 - 21 July 2017

- XII. **Best solid waste management scenario selection under DEMATEL and TOPSIS methods**  
ÇALIŞKAN E., SAKALLI Ü. S., AKSAKAL E.  
MCDM 2017 The 24th International Conference on Multiple Criteria Decision Making, Canada, 10 - 14 July 2017
- XIII. **Green Hotel Evaluation and Selection:A Study for Turkey**  
AKSAKAL E., KAYACI ÇODUR M., YILMAZ M.  
The 24th International Conference on Multiple Criteria Decision Making, July 10 – 14, 2017, Ottawa, MCDM 2017., Ottawa, Canada, 10 - 14 July 2017
- XIV. **Marina destination selection under Analytic Network Process A case from Turkey**  
AKSAKAL E.  
International Conference on Operations Research, 30 August - 02 September 2016
- XV. **Evaluation of ecodestinatons using Analytic Hierarchy Process**  
AKSAKAL E.  
European Conference on Operational Research, 3 - 06 July 2016
- XVI. **Green Supplier Selection under Risk Assessment**  
ÇALIŞKAN E., AKSAKAL E.  
International Conference on Industrial Engineering and Operations Management, 8 - 10 March 2016
- XVII. **A New Hybrid Decision Making Model for Tourism Destination Selection**  
AKSAKAL E., DAĞDEVİREN M.  
OR 2015 Conference, 1 - 04 September 2015
- XVIII. **Site Selection for Wind Energy Plant by Using Analytic Network Process**  
AKSAKAL E., AKTAŞ A., KABAK M., DAĞDEVİREN M.  
the 23rd International Conference on Multiple Criteria Decision Making, 2 - 07 August 2015
- XIX. **A New Decision Making Model for Bank Branch Location Selection**  
DAĞDEVİREN M., AKTAŞ A., AKSAKAL E., KABAK M.  
23rd International Conference on Multiple Criteria Decision Making, 2 - 07 August 2015
- XX. **Doğal Kaynak Suları Analizleri İçin Bir Değerlendirme Modeli**  
AKSAKAL E., DAĞDEVİREN M., KABAK M.  
16. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu, Turkey, 7 - 12 May 2015
- XXI. **Integrated wind turbine selection model under multi criteria decision making methods Entropy and TOPSIS**  
AKSAKAL E., DAĞDEVİREN M.  
5th International Conference on Industrial Engineering and Operations Management, 3 - 05 March 2015
- XXII. **Bulanık Yetenek Yönetimi ile Personel Değerlendirme**  
AKSAKAL E., DAĞDEVİREN M., ERASLAN E.  
20. Ulusal Ergonomi Kongresi, Turkey, 26 - 28 September 2014
- XXIII. **The Risk Factors Analysis That Can Be Faced in Logistics Sector with Dematel Method**  
AKSAKAL E., DAĞDEVİREN M.  
OR 2014 Conference, 2 - 05 September 2014
- XXIV. **Accident Causation Analysis with Multiple Criteria Decision Making Methods in Workplaces**  
AKSAKAL E., DAĞDEVİREN M.  
20th Conference of the International Federation of Operational Research Societies, 13 - 17 July 2014
- XXV. **An Integrated Approach to Personnel Evaluation Based On Fuzzy Talent Management**  
AKSAKAL E., DAĞDEVİREN M.  
European Multiple Criteria Decision Aiding (MCDA) Spring School "Multiple criteria decision making: a key for sustainability", 26 - 31 May 2014
- XXVI. **Analyzing Reward Management Framework with Multi Criteria Decision Making Methods**  
AKSAKAL E., Dagdeviren M.  
3rd International Conference on Integrated Information (IC-ININFO), Prague, Czech Republic, 5 - 09 September 2013, vol.147, pp.147-152
- XXVII. **Personel Selection Based on Talent Management**

AKSAKAL E., Dagdeviren M., ERASLAN E., Yuksel I.

2nd International Conference on Integrated Information (IC-ININFO), Budapest, Hungary, 30 August - 03 September 2012, vol.73, pp.68-72

**XXVIII. Using Fuzzy Wage Management System in Heavy Industry**

ERASLAN E., Atalay K. D., Dagdeviren M., AKSAKAL E.

2nd International Conference on Integrated Information (IC-ININFO), Budapest, Hungary, 30 August - 03 September 2012, vol.73, pp.7-13

## **Scientific Refereeing**

GAZİ UNIVERSITY JOURNAL OF SCIENCE, National Scientific Refreed Journal, August 2021

ERCIYES ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, March 2021

## **Metrics**

Publication: 39

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H-Index (Scopus): 3