

## Asst. Prof. HATİCE ERCAN TEKŞEN

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Endüstri Mühendisliği (Dr), Turkey 2013 - 2019

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (YI) (Tezli), Turkey 2008 - 2012

Undergraduate, Istanbul Technical University, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, Turkey 2003 - 2008

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Aralık Tip-2 ve sezgisel bulanık kontrol grafiklerinin geliştirilmesi, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Endüstri Mühendisliği (Dr), 2019

Postgraduate, Üniversite seçiminde öğrenci algıları ve Türk Üniversitelerinin konumlandırılması, Istanbul Technical University, Sosyal Bilimler Enstitüsü, Endüstri Mühendisliği (YI) (Tezli), 2011

### Research Areas

Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği Bölümü, 2023 - Continues

Research Assistant PhD, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği Bölümü, 2019 - 2023

Research Assistant, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği Bölümü, 2012 - 2019

Research Assistant, Istanbul Arel University, Faculty Of Engineering-Architecture, Department Of Industrial Engineering, 2009 - 2012

## Academic and Administrative Experience

Deputy Head of Department, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği Bölümü, 2024 - Continues

## Courses

Introduction to Industrial Engineering, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020  
Yüksek Lisans Tez Çalışması, Postgraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023  
Fuzzy Logic Applications, Postgraduate, 2024 - 2025  
Seminer, Postgraduate, 2023 - 2024  
İstatistiksel Süreç Kontrolü Araştırmaları, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020  
Statistics II, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020  
Statistics I, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020  
System Design, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020  
Uzmanlık Alan Dersi, Postgraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023  
Quality Control, Undergraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020  
Mesleki İngilizce II, Undergraduate, 2020 - 2021, 2019 - 2020  
Mesleki İngilizce I, Undergraduate, 2019 - 2020  
Mühendisliğe Giriş, Undergraduate, 2019 - 2020

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

- I. **Intuitionistic fuzzy c-control charts using defuzzification and likelihood methods**  
ERCAN TEKŞEN H., Anagun A. S.  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.39, no.5, pp.6465-6473, 2020 (SCI-Expanded)
- II. **Interval type-2 fuzzy c-Control charts using ranking methods**  
Teken H., Anagun A. S.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.48, no.2, pp.510-520, 2019 (SCI-Expanded)
- III. **Interval type-2 fuzzy c-control charts using likelihood and reduction methods**  
ERCAN TEKŞEN H., Anagun A. S.  
Soft Computing, vol.22, no.15, pp.4921-4934, 2018 (SCI-Expanded)
- IV. **Different methods to fuzzy X- R control charts used in production Interval type-2 fuzzy set example**  
ERCAN TEKŞEN H., Anagun A. S.  
JOURNAL OF ENTERPRISE INFORMATION MANAGEMENT, vol.31, no.6, pp.848-866, 2018 (SSCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Multi-criteria Decision Making Problem Using Trapezoidal Pythagorean Fuzzy Sets**  
ERCAN TEKŞEN H.  
International Conference on Intelligent and Fuzzy Systems, INFUS 2024, Çanakkale, Turkey, 16 - 18 July 2024, vol.1090 LNNS, pp.644-650
- II. **Efficiency Calculation with Interval Type-2 Fuzzy Sets**  
ERCAN TEKŞEN H.  
International Conference on Intelligent and Fuzzy Systems, INFUS 2024, Çanakkale, Turkey, 16 - 18 July 2024, vol.1090 LNNS, pp.606-613
- III. **Multi-criteria Decision Making Problem with Triangular Fuzzy Neutrosophic Sets**  
ERCAN TEKŞEN H.  
International Conference on Intelligent and Fuzzy Systems, INFUS 2021, İstanbul, Turkey, 24 - 26 August 2021, vol.308, pp.364-370

- IV. **C-Control Charts with Neutrosophic Sets**  
ERCAN TEKŞEN H.  
International Conference on Intelligent and Fuzzy Systems, INFUS 2021, İstanbul, Turkey, 24 - 26 August 2021, vol.308, pp.380-387
- V. **Multi-criteria Decision Making Problem with Intuitionistic Fuzzy Sets: A Novel Ranking Method**  
ERCAN TEKŞEN H.  
INFUS 2020, 21 - 23 July 2020
- VI. **Spherical fuzzy c-control charts**  
ERCAN TEKŞEN H.  
Developments of Artificial Intelligence Technologies in Computation and Robotics, Cologne, Germany, 18 - 21 August 2020
- VII. **A Likelihood Method for the Comparison of Intuitionistic Trapezoidal Fuzzy Numbers**  
ERCAN TEKŞEN H.  
INFUS 2019, 21 - 23 July 2019
- VIII. **Intuitionistic Fuzzy C-Control Charts Using Fuzzy Comparison Methods**  
ERCAN TEKŞEN H., ANAGÜN A. S.  
INFUS 2019, 21 - 23 July 2019
- IX. **ARALIK TİP-2 BULANIK ARİTMETİK VE GEOMETRİK ORTALAMA HESAPLAMALARI**  
ERCAN TEKŞEN H.  
ISASOR 2019, 5 - 06 December 2019
- X. **SEZGİSEL BULANIK ARİTMETİK VE GEOMETRİK ORTALAMA HESAPLAMALARI**  
ERCAN TEKŞEN H.  
BİLTEK 2019, 21 - 22 December 2019
- XI. **Type 2 Fuzzy Control Charts Using Likelihood and Defuzzification Methods**  
ERCAN TEKŞEN H., Anagun A. S.  
10th Conference of the European-Society-for-Fuzzy-Logic-and-Technology (EUSFLAT) / 16th International Workshop on Intuitionistic Fuzzy Sets and Generalized Nets (IWIFSGN), Warszawa, Poland, 11 - 15 September 2017, vol.643, pp.405-417
- XII. **A Fuzzy Inference Method based on Logistic Regression for Diabetes Diagnosis**  
ERCAN TEKŞEN H., DENİZ N.  
5th International Fuzzy Systems Symposium, 14 - 15 October 2017
- XIII. **Type 2 Fuzzy Control Charts Using Ranking Methods**  
ERCAN TEKŞEN H., ANAGÜN A. S.  
FUZZYSS 2017, 14 - 15 October 2017
- XIV. **Performance Evaluation of Public and Private Medical Schools in Turkey**  
ERCAN TEKŞEN H., ANAGÜN A. S., ustun k.  
EURO 2013, 1 - 04 July 2013
- XV. **An optimum and effective drawing teaching system in engineering**  
UÇAN R., ERCAN S., ERCAN TEKŞEN H., EDALİ M.  
ISTEC 2010, 27 - 29 October 2010
- XVI. **İstatistik yaklaşımli teknolojik planlama**  
ERCAN S., ERCAN TEKŞEN H.  
ISTEC 2010, 27 - 29 October 2010
- XVII. **Endüstri mühendisliđi ders programının iyileştirilmesi**  
ERCAN TEKŞEN H.  
YAEM 2010, Turkey, 30 June - 02 July 2010

## Supported Projects

AKTAR DEMİRTAŞ E., ERCAN TEKŞEN H., Project Supported by Higher Education Institutions, İstatistiksel Süreç

## **Metrics**

Publication: 21

Citation (WoS): 19

Citation (Scopus): 46

H-Index (WoS): 3

H-Index (Scopus): 4