

## Res. Asst. Yıldız Köse

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ABE-6784-2021

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### Biography

**Yıldız Köse** graduated from Industrial Engineering Department of Gazi University, Ankara, in 2014. She received her M.Sc. degree from Industrial Engineering Department of Karadeniz Technical University, Trabzon, in 2017. Since 2018, she has been a Ph.D candidate and research assistant at Istanbul Technical University. Her current research interests are production planning, assembly line and lean production systems.

### Education Information

Postgraduate, Karadeniz Technical University, Mühendislik Fakültesi, Endüstri Mühendisliği, Turkey 2014 - 2017

Undergraduate, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, Turkey 2010 - 2014

### Dissertations

Postgraduate, Bütünleşik bir kalite fonksiyon yayılımı yaklaşımıyla yonga levha üretiminde ürün ve süreç kalitesinin iyileştirilmesi, Karadeniz Technical University, Mühendislik Fakültesi, 2017

### Research Areas

Multiobjective Optimization, Linear Programming, Heuristic Methods, Integer and Mixed Integer Programming, Scheduling, Modelling and Analysis of Production Systems, Service Systems Modeling and Analysis, Multi Criteria Decision Making

### Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, 2018 - Continues

Research Assistant, Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2014 - Continues

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

- I. **Axiomatic design for lean autonomous maintenance system: an application from textile industry**  
Köse Y., Muftuoğlu S., Çevikcan E., Durmuşoğlu M. B.  
INTERNATIONAL JOURNAL OF LEAN SIX SIGMA, vol.14, no.3, pp.555-587, 2023 (SCI-Expanded)
- II. **Game theory-oriented approach for disassembly line worker assignment and balancing problem with**

#### **multi-manned workstations**

Köse Y., Çevikcan E., Ertemel S., Murat M.

COMPUTERS & INDUSTRIAL ENGINEERING, pp.109294, 2023 (SCI-Expanded)

#### **III. A novel hybrid MCDM approach to evaluate universities based on student perspective**

AYYILDIZ E., MURAT M., İMAMOĞLU G., Köse Y.

SCIENTOMETRICS, vol.128, no.1, pp.55-86, 2023 (SCI-Expanded)

#### **IV. An Interval Valued Pythagorean Fuzzy AHP-TOPSIS Integrated Model for Ergonomic Assessment of Setup Process under SMED**

Köse Y., Civan H. N., AYYILDIZ E., Çevikcan E.

SUSTAINABILITY, vol.14, no.21, 2022 (SCI-Expanded)

### **Articles Published in Other Journals**

#### **I. Optimization of profitability and liquidity for residential projects under debt and equity financing**

Çevikcan E., Köse Y.

BUILT ENVIRONMENT PROJECT AND ASSET MANAGEMENT, vol.11, no.2, pp.369-391, 2021 (ESCI)

#### **II. Efficiency of Water Utilization in Health Institutions Based on Provinces**

İMAMOĞLU G., KÖSE Y., DEMİRCİ E.

Turkish Bulletin of Hygiene and Experimental Biology, vol.74, no.50, pp.63-72, 2017 (Scopus)

### **Books & Book Chapters**

#### **I. Efficiency Evaluation of Turkish Sports Federations Using DEA-Based Malmquist Productivity Index**

Murat M., Köse Y., Çevikcan E.

in: Industrial Engineering in the Age of Business Intelligence. GJCIE 2021. Lecture Notes in Management and Industrial Engineering, Fethi Calisir, Editor, Springer Nature, Zug, pp.77-91, 2022

#### **II. Business Analytics for Managers**

Turgut Y., Köse Y., Üstündağ A., Çevikcan E.

in: Business Analytics for Professionals, Prof. Dr. Alp Ustundag, Emre Çevikcan, Omer Faruk Beyca, Editor, Springer, Cham, Zug, pp.3-20, 2022

#### **III. Supply Chain Analytics**

TURGUT Y., MENGÜÇ K., ALKAN N., KÖSE Y., ATA S., SATOĞLU Ş. I., KABAK Ö.

in: Business Analytics for Professionals, , Editor, Springer, Cham, pp.289-334, 2022

#### **IV. POLCA Approach on Make to Order Production System: An Application from the Hydraulic Industry**

Köse Y., Çevikcan E., Celik S. R.

in: Industrial Engineering in the Internet-of-Things World. GJCIE 2020. Lecture Notes in Management and Industrial Engineering, Prof. Dr. Fethi Calisir, Editor, Springer, Cham, Zug, pp.121-134, 2021

#### **V. Improving Quality of Product and Process in the Manufacturing of Particleboard with an Integrated Quality Function Deployment Approach**

Köse Y., Demirci E.

in: Customer Oriented Product Design, Prof. Dr. Cengiz Kahraman, Prof. Dr. Selcuk Cebi, Editor, Springer Nature, Zug, pp.35-55, 2020

#### **VI. The Quick Exposure Check (QEC) Model Proposal Based on Fuzzy Logic for Work-Related Musculoskeletal Risk Assessment**

Köse Y., Karabayır A. N., Çevikcan E.

in: Intelligent and Fuzzy Techniques in Big Data Analytics and Decision Making, Cengiz Kahraman, Selcuk Cebi, Sezi Cevik Onar, Basar Oztaysi, A. Cagri Tolga, İrem Ucal Sari, Editor, Springer, Zug, pp.82-88, 2020

#### **VII. Supplier Selection in a Construction Company Using Fuzzy AHP and Fuzzy TOPSIS**

KARABAYIR A. N., BOTSALI A. R., KÖSE Y., ÇEVİKCAN E.

in: Intelligent and Fuzzy Techniques in Big Data Analytics and Decision Making, Cengiz Kahraman, Selcuk Cebi, Sezi Cevik Onar, Basar Oztaysi, A. Cagri Tolga, Irem Ucal Sari, Editor, Springer, pp.481-487, 2020

VIII. **The Optimization of Aggregate Production Planning under Fuzzy Environment: An Application Form Beverage Industry**

Topçuoğlu M. G., YENİ F. B., KÖSE Y., ÇEVİKCAN E.

in: Industrial Engineering in The Big Data Era, Fethi Calisir, Emre Cevikcan, Hatice Camgoz Akdag, Editor, Springer, pp.271-286, 2019

### Refereed Congress / Symposium Publications in Proceedings

- I. **POLCA Approach on Make to Order Production System: An Application from the Hydraulic Industry**  
Köse Y., Çevikcan E., Celik S. R.  
Global Joint Conference on Industrial Engineering and Its Application Areas (GJCIE), ELECTR NETWORK, 14 - 15 August 2020, pp.121-134
- II. **An Integrated Model for Disassembly Line Balancing and Worker Assignment Problem: A Multi-Objective Optimization Approach**  
Köse Y., Çevikcan E.  
International Conference on Applied Mathematics in Engineering (ICAME), Balıkesir, Turkey, 1 - 03 September 2021, pp.60
- III. **Supplier Selection in a Construction Company Using Fuzzy AHP and Fuzzy TOPSIS**  
KARABAYIR A. N., BOTSALI A. R., KÖSE Y., ÇEVİKCAN E.  
INFUS2019, 23 - 25 July 2019
- IV. **The Quick Exposure Check (QEC) model proposal based on Fuzzy Logic for work-related musculoskeletal risk assessment**  
KÖSE Y., KARABAYIR A. N., ÇEVİKCAN E.  
INFUS2019, 23 - 25 July 2019
- V. **The Optimization of Aggregate Production Planning under Fuzzy Environment: An Application From Beverage Industry**  
Topçuoğlu M. G., YENİ F. B., KÖSE Y., ÇEVİKCAN E.  
Global Joint Conference on Industrial Engineering and Its Application Areas, 21 - 22 June 2018
- VI. **KALİTE FONKSİYON YAYILIMI'NDA TEKNİK KARAKTERİSTİKLERİN ETKİNLİK ANALİZİ**  
KÖSE Y., DEMİRCİ E.  
18. ULUSLARARASI EKONOMETRİ YÖNEYLEM ARAŞTIRMASI VE İSTATİSTİK SEMPOZYUMU, 5 - 07 October 2017
- VII. **Hedef Programlama Modeli İle Farklı Formatlarda Toplanan Müşteri Beklentilerinin Önem Derecelerinin Belirlenmesi**  
DEMİRCİ E., KÖSE Y.  
18. ULUSLARARASI EKONOMETRİ YÖNEYLEM ARAŞTIRMASI VE İSTATİSTİK SEMPOZYUMU, 5 - 07 October 2017
- VIII. **Maden Suyu Üreticisi Firmaların Seçimi İçin Bulanık Kalite Fonksiyon Yayılımı Yaklaşımı**  
KÖSE Y., DEMİRCİ E.  
2. ULUSLARARASI SU VE SAĞLIK KONGRESİ, 13 - 17 February 2017
- IX. **Türkiye'deki Sağlık Kuruluşlarının İller Düzeyinde Su Kullanım Etkinliklerinin Veri Zarflama Analizi İle Değerlendirilmesi**  
İMAMOĞLU G., KÖSE Y., DEMİRCİ E.  
2. ULUSLARARASI SU VE SAĞLIK KONGRESİ, 13 - 17 February 2017

### Metrics

Publication: 23

Citation (Scopus): 9

H-Index (Scopus): 1