

Prof. MERYEM ULUSKAN

Personal Information

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International Researcher IDs

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Dissertations

Doctorate, Insights into the Role of Quality in Sourcing Decisions in the Textile and Apparel Industry, North Carolina State University, İşletme Mühendisliği, 2014

Postgraduate, Improving the Competitiveness of the Haitian Apparel Supply Chain, North Carolina State University {North Carolina}, Tekstil, 2010

Research Areas

Engineering and Technology

Academic and Administrative Experience

Vice Dean, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ, 2024 - Continues

Deputy Head of Department, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, 2017 - 2023

Courses

Deney Planlaması, Postgraduate, 2022 - 2023

Biyoistatistiksel Yöntemler, Postgraduate, 2022 - 2023

Uzmanlık Alan Dersi , Doctorate, 2022 - 2023

Toplam Kalite Yönetimi, Postgraduate, 2022 - 2023

Seminer II, Undergraduate, 2017 - 2018

İstatistik II, Undergraduate, 2017 - 2018

Dönem Projesi, Postgraduate, 2017 - 2018

Uzmanlık Alan Dersi, Postgraduate, 2017 - 2018

Mesleki İngilizce I, Undergraduate, 2017 - 2018

İstatistik I, Undergraduate, 2017 - 2018

Sistem Tasarımı, Undergraduate, 2017 - 2018

Seminer I, Undergraduate, 2017 - 2018

Kalite İyileştirme Yöntemleri Araştırmaları, Undergraduate, 2017 - 2018

Mesleki İngilizce II, Undergraduate, 2017 - 2018

Mühendisliğe Giriş, Undergraduate, 2017 - 2018

Advising Theses

- Uluskan M., Petrol Sektöründe İş Sağlığı ve Güvenliği Koşullarının Çok Ölçütlü Karar Verme Yöntemleriyle Değerlendirilmesi, Postgraduate, S.ÇAPKIN(Student), 2024
- Uluskan M., Makine Öğrenmesi ile İlaç Satış Tahmini ve Stok Belirleme, Postgraduate, F.DEMİR(Student), 2024
- Uluskan M., Ateşböceği Algoritması ve Yapay Sinir Ağları Kullanılarak Acil Servis Hasta Gelişlerinin Tahmin Edilmesi, Doctorate, M.GİZEM(Student), 2024
- Uluskan M., FMEA and Fuzzy AHP Approaches in Improving Product Quality and Monitoring Quality Costs with the PAF Model, Postgraduate, M.SOYDİNÇ(Student), 2023
- Uluskan M., Project Selection TOPSIS, ORESTE, FUZZY TOPSIS and FUZZY ORESTE Methods in the Automotive Industry, Postgraduate, B.BEKİ(Student), 2022
- Uluskan M., Impact of supplier selection on final product quality: A structural equation modeling analysis, Postgraduate, Ş.AKIN(Student), 2022
- Uluskan M., Factor analysis based house of quality application in education sector, Postgraduate, İ.HÜMA(Student), 2020
- ULUSKAN M., Uygulamalı bir laboratuvar çalışması üzerinden Yates ve Taguchi deney tasarımlarının karşılaştırılması, Postgraduate, R.MERVE(Student), 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **PROJECT SELECTION REVISITED: CUSTOMIZED TYPE-2 FUZZY ORESTE APPROACH FOR PROJECT PRIORITIZATION**
ULUSKAN M., Beki B.
International Journal of Industrial Engineering : Theory Applications and Practice, vol.31, no.2, pp.317-339, 2024 (SCI-Expanded)
- II. **Predictive Six Sigma for Turkish manufacturers: utilization of machine learning tools in DMAIC**
ULUSKAN M., Karşı M. G.
International Journal of Lean Six Sigma, vol.14, no.3, pp.630-652, 2023 (SCI-Expanded)
- III. **Enhancing Six Sigma Understanding: Insights into Various Dimensions and Aspects of Six Sigma**
ULUSKAN M.
ENGINEERING MANAGEMENT JOURNAL, vol.34, no.1, pp.99-128, 2022 (SCI-Expanded)
- IV. **Artificial Neural Networks as a quality loss function for Six Sigma**
ULUSKAN M.
TOTAL QUALITY MANAGEMENT & BUSINESS EXCELLENCE, vol.31, pp.1811-1828, 2020 (SSCI)
- V. **Analysis of Lean Six Sigma tools from a multidimensional perspective**
ULUSKAN M.
TOTAL QUALITY MANAGEMENT & BUSINESS EXCELLENCE, vol.30, pp.1167-1188, 2019 (SSCI)
- VI. **Evaluation methods for completed Six Sigma projects through an interval type-2 fuzzy ANP**
Erginel N., ULUSKAN M., Kuecuk G., Altintas M.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.35, no.2, pp.1851-1863, 2018 (SCI-Expanded)
- VII. **Impact of quality management practices on change readiness due to new quality implementations**
ULUSKAN M., McCreery J. K., Rothenberg L.
INTERNATIONAL JOURNAL OF LEAN SIX SIGMA, vol.9, no.3, pp.351-373, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **INPUT SELECTION THROUGH CORRELATION-HYPOTHESIS TESTING BASED FILTERING IN ANN**

CLASSIFICATION MODELS

Uluskan M., ŞENLİ H. D.

Nicel bilimler dergisi (Online), vol.6, no.1, pp.68-102, 2024 (Peer-Reviewed Journal)

- II. **Structural equation modelling – artificial neural network based hybrid approach for assessing quality of university cafeteria services**
ULUSKAN M.
TQM Journal, vol.35, no.4, pp.1048-1071, 2023 (ESCI)
- III. **Supplier Evaluation Through AHP, Fuzzy Ahp, LBWA and COPRAS Methods: An Application in the Railway Industry**
Uluskan M., Topuz D., Çimen C.
Journal of Engineering and Architecture Faculty of Eskisehir Osmangazi University, vol.30, no.3, pp.412-430, 2022 (Peer-Reviewed Journal)
- IV. **Impact Of Supplier Selection On Final Product Quality: A Structural Equation Modeling Analysis**
Uluskan M., Akın Ş.
Journal of Industrial Engineering, vol.33, no.3, pp.452-468, 2022 (Peer-Reviewed Journal)
- V. **Evaluation of the Performance of Private Universities With AHP, COPRAS, SAW, TOPSIS and Borda Count Methods**
Uluskan M., Akpolat G., Şimşek D.
Journal of Industrial Engineering, vol.33, no.1, pp.22-61, 2022 (Peer-Reviewed Journal)
- VI. **Endüstri Mühendisliği Öğrencilerinin Uzaktan Eğitim Memnuniyetini Etkileyen Faktörlerin Yapısal Eşitlik Modeli İle İncelenmesi**
ULUSKAN M., DURAL G., CİNKARA H.
Journal of Engineering and Architecture Faculty of Eskisehir Osmangazi University, vol.29, no.3, pp.356-380, 2021 (Peer-Reviewed Journal)
- VII. **Decreasing Defects in Plastic Injection Molding and Vibration Welding Processes Through Statistical Process Control**
ULUSKAN M.
Open Journal of Nano, vol.6, no.2, pp.7-18, 2021 (Peer-Reviewed Journal)
- VIII. **Six Sigma In Plastic Injection Molding: Reuse Defective Parts In New Article Production As Raw Material Input Or Not?**
ULUSKAN M.
Journal of Industrial Engineering, vol.32, no.2, pp.341-363, 2021 (Peer-Reviewed Journal)
- IX. **OTOMOTİV SEKTÖRÜNDE KAİZEN YÖNTEMİ İLE TESİS YERLEŞİM TASARIMI VE REBA ANALİZİ**
ULUSKAN M., ÖZYALINER M. T.
Journal of Engineering and Architecture Faculty of Eskisehir Osmangazi University, vol.29, no.1, pp.1-19, 2021 (Peer-Reviewed Journal)
- X. **Seramik Sektöründe Kojenerasyon Tesisleri İle Elektrik Üretim Kararı İçin Karar Destek Sistemi**
ULUSKAN M., Azman B., Kara A., Alptekin K.
Journal of Industrial Engineering, vol.31, no.3, pp.281-319, 2020 (Peer-Reviewed Journal)
- XI. **Ölçüm Cihazlarına Ait Kalibrasyon Periyotları İçin Risk Analizi İncelemesi Ve Karar Destek Sistemi Tasarımı**
ULUSKAN M., Böcü Y.
Journal of Engineering and Architecture Faculty of Eskisehir Osmangazi University, vol.28, no.2, pp.174-193, 2020 (Peer-Reviewed Journal)
- XII. **Eğitim Sektöründe Faktör Analizi Tabanlı Hizmet Kalitesi Ölçümü Ve Kalite Fonksiyon Yayılımı Uygulaması**
Uluskan M., Çendik İ.
Endüstri Mühendisliği, vol.31, no.2, pp.122-147, 2020 (Peer-Reviewed Journal)
- XIII. **A thorough Six Sigma DMAIC application for household appliance manufacturing systems Oven door-panel alignment case**
ULUSKAN M., ODA E. P.

The TQM Journal, vol.32, no.6, pp.1683-1714, 2020 (Scopus)

- XIV. **SÜREÇ YETERLİLİK ANALİZİNİN GENİŞLETİLMİŞ KAİZEN YÖNTEMİNE ENTEGRASYONU: OTOMOTİV SEKTÖRÜNDE BİR UYGULAMA**
ULUSKAN M.
Journal of Engineering and Architecture Faculty of Eskisehir Osmangazi University, vol.27, no.3, pp.165-183, 2019 (Peer-Reviewed Journal)
- XV. **Business environment-supply chain framework and benchmarking supply chain structures Haiti versus China**
ULUSKAN M., Godfrey A. B.
BENCHMARKING-AN INTERNATIONAL JOURNAL, vol.25, no.8, pp.3021-3044, 2018 (ESCI)
- XVI. **Türkiye'nin Altı Sigma Uygulama Haritası**
ULUSKAN M.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.32, no.3, pp.131-143, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Impact of Supplier Selection Criteria on Final Product Quality: A Structural Equation Modeling Analysis**
ULUSKAN M., AKIN KARAGÖZ Ş.
GLOB CER 21, Turkey, 02 June 2021
- II. **Development and Implementation of Ordering Process and Sampling Plan for Supplied Products**
ULUSKAN M., KÜREN E.
GLOB CER 21, Turkey, 02 June 2021
- III. **Facility Layout Design and a Decision Support System Creation in a Furniture Manufacturing Plant**
ULUSKAN M., OKYAY N., KAYA İ.
IO CENS 21, Turkey, 05 July 2021
- IV. **Decreasing Defects Due To Burrs In The Door Inner Panel Of Dishwashers Through Kaizen Event**
ULUSKAN M.
ISSRIS 21, Turkey, 22 February 2021
- V. **Design of Experiments Based Six Sigma DMAIC Application: Electrostatic Powder Coating Process**
ULUSKAN M.
2019 3rd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Ankara, Turkey, 11 - 13 October 2019
- VI. **Deney Tasarımı Tabanlı Altı Sigma Uygulaması: Düşük Boya Kalınlığı Problemi**
ULUSKAN M.
Yöneylem Araştırması / Endüstri Mühendisliği Kongresi (YA/EM 2018), Eskişehir, Turkey, 26 - 29 June 2018, pp.57
- VII. **Industrial Data Mining and Analytics: Discrimination via Artificial Neural Networks vs. Gaussian Mixture Models**
ULUSKAN M.
International Conference on Advanced Technologies (ICAT'18), Antalya, Turkey, 28 April - 01 May 2018, pp.514-519
- VIII. **Lean, Six Sigma And Company Competitiveness**
ULUSKAN M., GODFREY B.
AUTEX, Bursa, Turkey, 26 - 28 May 2014
- IX. **Creating Competitive Advantage Through Quality in Supply Chain Management**
ULUSKAN M., GODFREY B.
AUTEX, Mulhouse, France, 8 - 10 June 2011, pp.680-685
- X. **Improving the Competitiveness of the Haitian Apparel Supply Chain**

ULUSKAN M., GODFREY B.

AUTEX, Vilnius, Lithuania, 21 - 23 June 2010

XI. Improving the Performance of Textile Companies Through Six Sigma Quality

ULUSKAN M., GODFREY B.

AUTEX, İzmir, Turkey, 26 - 28 May 2009, pp.141-149

Supported Projects

ULUSKAN M., Project Supported by Higher Education Institutions, Kalite Fonksiyon Yayılımı ve Bir Uygulama, 2019 - 2020

Metrics

Publication: 34

Citation (WoS): 146

Citation (Scopus): 191

H-Index (WoS): 7

H-Index (Scopus): 8

Non Academic Experience

North Carolina State University

USAID - CHF International Haiti