

Doç.Dr. Esra Baş

Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği Anabilim Dalı, Türkiye 2005 - 2008
Yüksek Lisans, Technische Universitaet Berlin, Üretim Mühendisliği, Almanya 2001 - 2004
Yüksek Lisans, Yeditepe Üniversitesi, Sosyal Bilimler Enstitüsü, Uluslararası İşletme (YI) (Tezli) (Almanca), Türkiye 1999 - 2001
Lisans, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği Bölümü, Türkiye 1994 - 1999

Yabancı Diller

Almanca

Akademik Unvanlar / Görevler

Doç.Dr., İstanbul Teknik Üniversitesi, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, 2014 - Devam Ediyor
Yrd.Doç.Dr., İstanbul Teknik Üniversitesi, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, 2010 - Devam Ediyor

Akademik İdari Deneyim

İstanbul Teknik Üniversitesi, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, 2013 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **STPA methodology in a socio-technical system of monitoring and tracking diabetes mellitus**
Baş E.
APPLIED ERGONOMICS, cilt.89, 2020 (SCI-Expanded)
- II. **An integrated OSH risk management approach to surgical flow disruptions in operating rooms**
Baş E.
SAFETY SCIENCE, cilt.109, ss.281-293, 2018 (SCI-Expanded)
- III. **A three step methodology for GI classification GL estimation of foods by fuzzy c means classification and fuzzy pattern recognition and an LP based diet model for glycaemic control**
Baş E.
FOOD RESEARCH INTERNATIONAL, cilt.0, 2016 (SCI-Expanded)
- IV. **A robust optimization approach to diet problem with overall glycemic load as objective function**
Baş E.
Applied Mathematical Modelling, cilt.0, 2014 (SCI-Expanded)
- V. **An integrated quality function deployment and capital budgeting methodology for occupational safety and health as a systems thinking approach: The case of the construction industry**

- Bas E.
ACCIDENT ANALYSIS AND PREVENTION, cilt.68, ss.42-56, 2014 (SSCI)
- VI. **A framework for child safety and health management by analogy to occupational safety and health management**
Baş E.
Safety Science, cilt.0, 2014 (SCI-Expanded)
- VII. **A robust approach to the decision rules of NPV and IRR for simple projects**
Baş E.
Applied Mathematics and Computation, cilt.0, 2013 (SCI-Expanded)
- VIII. **The integrated framework for analysis of electricity supply chain using an integrated SWOT fuzzy TOPSIS methodology combined with AHP The case of Turkey**
Baş E.
International Journal of Electrical Power & Energy Systems, cilt.0, 2013 (SCI-Expanded)
- IX. **Surrogate relaxation of a fuzzy multidimensional 0 1 knapsack model by surrogate constraint normalization rules and a methodology for multi attribute project portfolio selection**
Baş E.
Engineering Applications of Artificial Intelligence, cilt.0, 2012 (SCI-Expanded)
- X. **A capital budgeting problem for preventing workplace mobbing by using analytic hierarchy process and fuzzy 0 1 bidimensional knapsack model**
Baş E.
EXPERT SYSTEMS WITH APPLICATIONS, cilt.0, 2011 (SCI-Expanded)
- XI. **An investment plan for preventing child injuries using risk priority number of failure mode and effects analysis methodology and a multi objective multi dimensional mixed 0 1 knapsack model**
Baş E.
RELIABILITY ENGINEERING & SYSTEM SAFETY, cilt.0, 2011 (SCI-Expanded)
- XII. **Fuzzy capital rationing model**
BAŞ E., Kahraman C.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, cilt.224, sa.2, ss.628-645, 2009 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **An Application of Fuzzy Data Envelopment Analysis Approach for Occupational Safety**
Bas E.
PERFORMANCE MEASUREMENT WITH FUZZY DATA ENVELOPMENT ANALYSIS, cilt.309, ss.231-242, 2014 (Scopus)
- II. **Fuzzy Capital Rationing Models**
Baş E., Kahraman C.
FUZZY ENGINEERING ECONOMICS WITH APPLICATIONS, cilt.233, ss.359-380, 2008 (Scopus)

Kitap & Kitap Bölümleri

- I. **Einführung in Wahrscheinlichkeitsrechnung, Statistik und Stochastische Prozesse**
Baş E.
Springer-Verlag , Wiesbaden, 2020
- II. **Basics of Probability and Stochastic Processes**
BAŞ E.
Springer Nature Switzerland AG, 2019
- III. **50 Soruda Endüstri Mühendisliği**
Baş E.

Bilim ve Gelecek Yayinevi, İstanbul, 2017

IV. Mühendislik Ekonomisi Temel Kavramlar ve Örnek Problemler

BAŞ E.

Beta Yayıncılık, 2012

Metrikler

Yayın: 23

Atıf (WoS): 20

Atıf (Scopus): 23

H-İndeks (WoS): 1

H-İndeks (Scopus): 1

Akademi Dışı Deneyim

Yeditepe Üniversitesi