

Assoc. Prof. Esra Bař

Personal Information

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Endüstri Mühendislięi Anabilim Dalı, Turkey 2005 - 2008

Postgraduate, Technische Universitaet Berlin, Üretim Mühendislięi, Germany 2001 - 2004

Postgraduate, Yeditepe University, Institute Of Social Sciences, Uluslararası İşletme (YI) (Tezli) (Almanca), Turkey 1999 - 2001

Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Makine Mühendislięi Bölümü, Turkey 1994 - 1999

Foreign Languages

German

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, İşletme Fakültesi, Endüstri Mühendislięi Bölümü, 2014 - Continues

Assistant Professor, Istanbul Technical University, İşletme Fakültesi, Endüstri Mühendislięi Bölümü, 2010 - Continues

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, İşletme Fakültesi, Endüstri Mühendislięi Bölümü, 2013 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **STPA methodology in a socio-technical system of monitoring and tracking diabetes mellitus**
Bař E.
APPLIED ERGONOMICS, vol.89, 2020 (SCI-Expanded)
- II. **An integrated OSH risk management approach to surgical flow disruptions in operating rooms**
Bař E.
SAFETY SCIENCE, vol.109, pp.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**
Bař E.
FOOD RESEARCH INTERNATIONAL, vol.0, 2016 (SCI-Expanded)
- IV. **A robust optimization approach to diet problem with overall glycemic load as objective function**
Bař E.
Applied Mathematical Modelling, vol.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**
Baş E.
ACCIDENT ANALYSIS AND PREVENTION, vol.68, pp.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, vol.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, vol.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, vol.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, vol.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, vol.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, vol.0, 2011 (SCI-Expanded)
- XII. **Fuzzy capital rationing model**
BAŞ E., Kahraman C.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.224, no.2, pp.628-645, 2009 (SCI-Expanded)

Articles Published in Other Journals

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

Books & Book Chapters

- 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 Yayınevi, İstanbul, 2017

IV. Mühendislik Ekonomisi Temel Kavramlar ve Örnek Problemler

BAŞ E.

Beta Yayıncılık, 2012

Metrics

Publication: 23

Citation (WoS): 20

Citation (Scopus): 23

H-Index (WoS): 1

H-Index (Scopus): 1

Non Academic Experience

Yeditepe Üniversitesi