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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABA-9472-2020

ScopusID: 55892875900

Yoksis Researcher ID: 150094

Education Information

Doctorate, Wayne State University, College Of Engineering, Industrial And Systems Engineering, United States Of America
2007 - 2012

Postgraduate, Istanbul Technical University, Sosyal Bilimler Enstitüsü, İşletme (YI) (Tezsiz), Turkey 2004 - 2007

Undergraduate, Istanbul Technical University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 2000 - 2004

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, DECISION SUPPORT MODELS FORTHE EXTERNAL VARIETY OFCONFIGURABLE PRODUCTS, Wayne State University, College Of Engineering, Industrial And Systems Engineering, 2013

Research Areas

Social Sciences and Humanities, Management, Quantitative Methods, Industrial Engineering, Stochastic Modeling, Stochastic Processes, Quality and Reliability, Reliability and Maintenance, Statistics, Statistical Analysis and Applications, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Istanbul Technical University, İşletme, Endüstri Mühendisliği, 2019 - Continues

Research Assistant PhD, Istanbul Technical University, İşletme, Endüstri Mühendisliği, 2013 - 2019

Research Assistant, Istanbul Technical University, İşletme, Endüstri Mühendisliği, 2005 - 2013

Academic and Administrative Experience

Deputy Head of Department, Istanbul Technical University, İşletme, Endüstri Mühendisliği, 2020 - 2023

Akreditasyon, Sürekli Gelişim ve Yenilenme Kurulu Üyesi, Istanbul Technical University, İşletme, Endüstri Mühendisliği, 2015 - 2023

İstanbul Teknik Üniversitesi, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, 2014 - 2015

Courses

Statistics, Undergraduate, 2023 - 2024

Linear Algebra for Industrial Engineers, Undergraduate, 2023 - 2024

Statistical Design of Experiments, Undergraduate, 2019 - 2020

Statistical Design of Experiments, Undergraduate, 2018 - 2019

Mühendislik Matematiği, Postgraduate, 2018 - 2019

Data Mining in Customer Relationship Management, Postgraduate, 2018 - 2019

Time Series Analysis, Postgraduate, 2018 - 2019, 2017 - 2018

Theory of Probability, Undergraduate, 2017 - 2018

Applied Statistics, Undergraduate, 2018 - 2019

Statistics, Undergraduate, 2017 - 2018

Introduction to Stochastic Modeling, Undergraduate, 2016 - 2017

Engineering Mathematics, Postgraduate, 2017 - 2018

Quality Control, Undergraduate, 2014 - 2015

Quality Management Tools and Techniques, Undergraduate, 2014 - 2015

Advising Theses

Işık E., İnovasyonun lojistik performans ve enerji sürdürülebilirliği üzerindeki etkisinin incelenmesi, Postgraduate, A.YILDIZ(Student), 2023

Işık E., DISCOVERING MARKET INSIGHTS FROM ONLINE PRODUCT REVIEWS THROUGH SENTIMENT ANALYSIS, Postgraduate, M.ALİ(Student), 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The propellants of the Logistics Performance Index: an empirical panel investigation of the European region**
Alnıpak S., Işık E., Apak S.
INTERNATIONAL JOURNAL OF LOGISTICS-RESEARCH AND APPLICATIONS, vol.26, no.7, pp.894-916, 2023 (SSCI)
- II. **Impact of climate change on sectoral electricity demand in Turkey**
Güven D., Kayalica M. Ö., Kayakutlu G., Işık E.
ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY, vol.16, no.3, pp.235-257, 2021 (SCI-Expanded)
- III. **Estimating fuel consumption in maritime transport**
Işık E., AYDIN N., BİLGİLİ L., Toprak A.
JOURNAL OF CLEANER PRODUCTION, vol.275, 2020 (SCI-Expanded)
- IV. **Identifying Key Factors of Rail Transit Service Quality: An Empirical Analysis for Istanbul**
Işık E., AYDIN N., Celik E., Gumus A. T.
JOURNAL OF PUBLIC TRANSPORTATION, vol.20, no.1, pp.63-90, 2017 (SSCI)
- V. **The Effects of Environmental Risk Factors on City Life Cycle: A Link Analysis**
Işık E., ÜSTÜNDAĞ A., CEVIKCAN E.
HUMAN AND ECOLOGICAL RISK ASSESSMENT, vol.21, no.5, pp.1379-1394, 2015 (SCI-Expanded)

Articles Published in Other Journals

I. METİN MADENCİLİĞİNİN TALEP PLANLAMADAKİ ROLÜNÜN İNCELENMESİ

İŞIKLI E.

Endüstri Mühendisliği, vol.32, no.2, pp.286-306, 2021 (Peer-Reviewed Journal)

Books & Book Chapters

I. Electricity Demand Prediction: Case of Turkey

POLAT E., AYDIN N., İŞIKLI E.

in: Decision Making Using AI in Energy and Sustainability, Kayakutlu, G., Kayalica, M. Ö., Editor, Springer Nature, Cham, pp.121-134, 2023

II. The Power of Combination Models in Energy Demand Forecasting

İŞIKLI E., SERDAR ASAN Ş.

in: Decision Making Using AI in Energy and Sustainability, Kayakutlu Gülgün, Kayalica M. Özgür, Editor, Springer Nature, pp.153-167, 2023

III. Time Series Analysis

İŞIKLI E., TEMİZER L., KAZDALOĞLU A. E., ARI E.

in: Business Analytics for Professionals, Ustundag, Alp; Cevikcan, Emre; Beyca, Omer Faruk, Editor, Springer, Cham, pp.113-125, 2022

IV. Engineering Education Trends in the Digital Era

Serdar Asan Ş. (Editor), Işıklı E. (Editor)

IGI Global, Pennsylvania, 2020

V. An ANP Approach for Prioritizing the Agile Project Management Criteria in Industry 4.0 Transition

Yanık Özbay S., Işıklı E.

in: Agile Approaches for Successfully Managing and Executing Projects in the Fourth Industrial Revolution, Hür Bersam Bolat, Gül Tekin Temur, Editor, Igi Global Publications, Hershey, Pa, pp.165-187, 2019

VI. Using Consumer Reviews for Demand Planning: Case of Configurable Products

İŞIKLI E., KETENCİ M.

in: INFUS 2019: Intelligent and Fuzzy Techniques in Big Data Analytics and Decision Making, Kahraman Cengiz, Cebi Selcuk, Onar Sezi, Oztaysi Basar, Tolga Cagri, Sari Irem, Editor, Springer, Cham, pp.354-361, 2019

VII. Project Portfolio Selection for the Digital Transformation Era

İŞIKLI E., Yanık Özbay S., ÇEVİKCAN E., ÜSTÜNDAĞ A.

in: Industry 4.0: Managing The Digital Transformation, Alp Üstündağ and Emre Çevikcan, Editor, Springer, Cham, pp.191-205, 2018

VIII. Decision Making in Solid Waste Management under Fuzzy Environment

Karagöz S., AYDIN N., Işıklı E.

in: Intelligence Systems in Environmental Management: Theory and Applications, Cengiz Kahraman, İrem Uçal Sarı, Editor, Springer, Cham, pp.91-115, 2016

IX. The Role of Computational Intelligence in Experimental Design: A Literature Review

İŞIKLI E., UĞURLU S.

in: Intelligent Decision Making in Quality Management Theory and Applications, , Editor, Springer International Publishing, 2015

Refereed Congress / Symposium Publications in Proceedings

I. Healthcare Tourism Demand and an Empirical Analysis for Istanbul

Bayır B., Işıklı E.

5th International Researchers, Statisticians and Young Statisticians Congress, Aydın, Turkey, 18 - 20 October 2019,

pp.371-382

- II. **Predicting the Medical Tourism Demand of Turkey**
IŞIKLI E., SERDAR ASAN Ş., KARADAYI USTA S.
Global Joint Conference on Industrial Engineering and Its Application Areas (GJCIE) 2019, Gazimagusa, Cyprus (Kktc), 2 - 03 September 2019
- III. **Using Consumer Reviews for Demand Planning: Case of Configurable Products**
IŞIKLI E., KETENCİ M.
INFUS 2019 Conference, İstanbul, Turkey, 23 - 25 July 2019, vol.1, pp.354-361
- IV. **Factors Affecting the Job Choice of Industrial Engineering Graduates**
Özyazgan D. B., Işıklı E.
11th International Statistics Day Conference, Muğla, Turkey, 3 - 07 October 2018, pp.659-670
- V. **Daily Touristic Plan Recommendation Using Text Mining**
TURGUTLU K. C., IŞIKLI E.
Federated Conference on Computer Science and Information Systems, 11 - 14 September 2016
- VI. **Product Variety Management in the Mobile Application Market Case of Turkey**
KAVILI M. C., IŞIKLI E.
15. Uluslararası Katılımlı Üretim Araştırmaları Sempozyumu, 14 - 16 October 2015
- VII. **An Empirical Analysis for Measuring Technology Transfer Performance of US Universities**
Işıklı E.
Global Conference on Engineering and Technology Management 2014, İstanbul, Turkey, 23 - 26 June 2014, pp.1-10
- VIII. **An Alternate for Practical Applications of Survival Analysis**
AYDIN N., IŞIKLI E.
EURO/INFORMS MMXIII, Roma, Italy, 1 - 04 July 2013, pp.353
- IX. **Intrinsic Forecasting in Reverse Logistics: The Case of Electrical and Electronic Equipment**
AYDIN N., Ayvaz B., Işıklı E.
8. Uluslararası İstatistik Kongresi, Antalya, Turkey, 27 - 30 October 2013, pp.164-165
- X. **The effect of environmental risk factors and socio-economic development on city life-cycle: An association rule mining approach**
Işıklı E., Üstündağ A., Çevikcan E.
4th International Conference on Risk Analysis and Crisis Response, RACR 2013, İstanbul, Turkey, 27 - 29 August 2013, pp.695-700
- XI. **Voleybol Maç Sonuçlarının Modellenmesi: Kesikli Seçim Modelleri ile Bir Uygulama**
Işıklı E., Hisarcıklılar M.
6. İstatistik Kongresi, Antalya, Turkey, 29 April - 03 May 2009, pp.234-241
- XII. **Determining of credit card frauds: A comparison of artificial neural network and logistic regression methods**
KILINÇ M. S., Işıklı E., SOYYIGIT H. E.
37th International Conference on Computers and Industrial Engineering 2007, Alexandria, Egypt, 20 - 23 October 2007, vol.1, pp.353-359
- XIII. **An analysis to determine regions under risk according to their effects on environment**
Işıklı E., KILINC M. S.
1st International Conference on Risk Analysis and Crisis Response, Shanghai, China, 25 - 26 September 2007, vol.2, pp.122-126

Supported Projects

Işıklı E., Project Supported by Other Private Institutions, Metal Sanayii İş Gruplandırma Sistemi MİDS Büyük Ölçekli Revizyon Projesi, 2016 - 2017

Scientific Refereeing

International Journal of Applied Industrial Engineering (IJAIE), Other Indexed Journal, November 2018

Agile Approaches for Successfully Managing and Executing Projects in the Fourth Industrial Revolution, Scientific / Professional Book Published by Renowned Publishing Houses, September 2018

Agile Approaches for Successfully Managing and Executing Projects in the Fourth Industrial Revolution, Scientific / Professional Book Published by Renowned Publishing Houses, September 2018

Metrics

Publication: 29

Citation (WoS): 59

Citation (Scopus): 87

H-Index (WoS): 5

H-Index (Scopus): 6