

## Asst. Prof. Erkan Işıklı

### Personal Information

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### Education Information

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

Post Graduate, İstanbul Teknik Üniversitesi, Sosyal Bilimler Enstitüsü, İşletme (YI) (Tezsiz), Turkey 2004 - 2007

Under Graduate, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 2000 - 2004

### Foreign Languages

English, C2 Mastery

### Dissertations

Doctorate, DECISION SUPPORT MODELS FOR THE EXTERNAL VARIETY OF CONFIGURABLE 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

Research Assistant, İstanbul Teknik Üniversitesi, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, 2013 - Continues

### Academic and Administrative Experience

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

### Courses

Statistical Design of Experiments, Under Graduate, 2019 - 2020

Statistical Design of Experiments, Under Graduate, 2018 - 2019  
Mühendislik Matematiği, Post Graduate, 2018 - 2019  
Data Mining in Customer Relationship Management, Post Graduate, 2018 - 2019  
Time Series Analysis, Post Graduate, 2017 - 2018, 2018 - 2019  
Theory of Probability, Under Graduate, 2017 - 2018  
Applied Statistics, Under Graduate, 2018 - 2019  
Statistics, Under Graduate, 2017 - 2018  
Introduction to Stochastic Modeling, Under Graduate, 2016 - 2017  
Engineering Mathematics, Post Graduate, 2017 - 2018  
Quality Control, Under Graduate, 2014 - 2015  
Quality Management Tools and Techniques, Under Graduate, 2014 - 2015

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Impact of climate change on sectoral electricity demand in Turkey**  
Güven D., Kayalica M. Ö. , Kayakutlu G., Işıklı E.  
Energy Sources, Part B: Economics, Planning and Policy, 2021 (Journal Indexed in SCI Expanded)
- II. **Estimating fuel consumption in maritime transport**  
Işıklı E., AYDIN N., BİLGİLİ L., Toprak A.  
JOURNAL OF CLEANER PRODUCTION, vol.275, 2020 (Journal Indexed in SCI)
- III. **Identifying Key Factors of Rail Transit Service Quality: An Empirical Analysis for Istanbul**  
Işıklı E., AYDIN N., Celik E., Gumus A. T.  
JOURNAL OF PUBLIC TRANSPORTATION, vol.20, no.1, pp.63-90, 2017 (Journal Indexed in SSCI)
- IV. **The Effects of Environmental Risk Factors on City Life Cycle: A Link Analysis**  
Işıklı E., ÜSTÜNDAĞ A., CEVIKCAN E.  
HUMAN AND ECOLOGICAL RISK ASSESSMENT, vol.21, no.5, pp.1379-1394, 2015 (Journal Indexed in SCI)

## Books & Book Chapters

- I. **Engineering Education Trends in the Digital Era**  
Serdar Asan Ş. (Editor), Işıklı E. (Editor)  
IGI Global, Pennsylvania, 2020
- II. **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
- III. **Using Consumer Reviews for Demand Planning: Case of Configurable Products**  
IŞIKLI 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
- IV. **Project Portfolio Selection for the Digital Transformation Era**  
IŞIKLI E., UĞURLU S., ÇEVİKCAN E., ÜSTÜNDAĞ A.  
in: Industry 4.0: Managing The Digital Transformation, , Editor, Springer International, pp.105-121, 2017
- V. **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
- VI. **The Role of Computational Intelligence in Experimental Design: A Literature Review**  
IŞIKLI E., UĞURLU S.

## Refereed Congress / Symposium Publications in Proceedings

- I. **Healthcare Tourism Demand and an Empirical Analysis for Istanbul**  
Bayır B., Işık 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. , Işık 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. **The First Step Before Measuring University Technology Transfer Performance: The Case of US Universities**  
IŞIKLI E.  
Global Conference on Engineering and Technology Management 2014, İstanbul, Turkey, 23 - 26 June 2014, pp.1-10
- VIII. **An Empirical Analysis for Measuring Technology Transfer Performance of US Universities**  
Işık E.  
Global Conference on Engineering and Technology Management 2014, İstanbul, Turkey, 23 - 26 June 2014, pp.1-10
- IX. **An Alternate for Practical Applications of Survival Analysis**  
AYDIN N., IŞIKLI E.  
EURO/INFORMS MMXIII, Roma, Italy, 1 - 04 July 2013, pp.353
- X. **Intrinsic Forecasting in Reverse Logistics: The Case of Electrical and Electronic Equipment**  
AYDIN N., Ayvaz B., Işık E.  
8. Uluslararası İstatistik Kongresi, Antalya, Turkey, 27 - 30 October 2013, pp.164-165
- XI. **The effect of environmental risk factors and socio-economic development on city life-cycle: An association rule mining approach**  
Işık 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
- XII. **Voleybol Maç Sonuçlarının Modellenmesi: Kesikli Seçim Modelleri ile Bir Uygulama**  
Işık E., Hisarcıklılar M.  
6. İstatistik Kongresi, Antalya, Turkey, 29 April - 03 May 2009, pp.234-241
- XIII. **Determining of credit card frauds: A comparison of artificial neural network and logistic regression methods**  
KILINÇ M. S. , Işık E., SOYYIGIT H. E.  
37th International Conference on Computers and Industrial Engineering 2007, Alexandria, Egypt, 20 - 23 October

2007, vol.1, pp.353-359

**XIV. 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

## **Citations**

Total Citations (WOS):12

h-index (WOS):2