

## Prof. İBRAHİM DOĞAN

### Personal Information

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### International Researcher IDs

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Yoksis Researcher ID: 131071

### Education Information

Post Doctorate, Wayne State University, Mühendislik/ Endüstri Müh., Endüstri Müh., United States Of America 2008 - 2010

Doctorate, Wayne State University, Mühendislik/ Endüstri Müh., Endüstri Müh., United States Of America 2003 - 2008

Postgraduate, Istanbul Technical University, Endüstri Müh., Endüstri Müh., Turkey 2001 - 2003

### Dissertations

Doctorate, Modeling & Control of Closed-Loop Remanufacturing Supply Chains under Non-Stationary Demand, Wayne State University, Industrial Engineering, Industrial Engineering, 2008

Postgraduate, Tedarik Zincirinde Kamçı Etkisi ve Envanter Yönetimi , İstanbul Teknik Üniversitesi, Fen Bilimleri Enst., Endüstri Mühendisliği, 2003

### Research Areas

Technical Sciences, Industrial Engineering , Stochastic Modeling, Stochastic Processes, Optimization Theory and Methods, Linear Programming, Production Planning and Control, Inventory Systems, Scheduling, Modelling and Analysis of Production Systems , Service Systems Modeling and Analysis, Quality and Reliability, Quality Control, Supply Chain and Logistics Management, Network Design, Basic Sciences, Statistics, Statistical Analysis and Applications

### Academic Titles / Tasks

Associate Professor, Erciyes University, Mühendislik Fakültesi, Endüstri Müh., 2012 - Continues

Assistant Professor, Erciyes University, Mühendislik / Endüstri Müh., Endüstri Müh., 2011 - 2012

Expert, Wayne State University, Mühendislik/Endüstri, Endüstri Müh., 2008 - 2010

Research Assistant, Wayne State University, Mühendislik/Endüstri, Endüstri Müh., 2003 - 2008

Research Assistant, Istanbul Technical University, Endüstri Müh., Endüstri Müh., 2000 - 2003

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Reinforcement learning approaches for specifying ordering policies of perishable inventory systems**  
KARA A., DOĞAN I.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.91, pp.150-158, 2018 (Peer-Reviewed Journal)
- II. **Focused factories: a Bayesian framework for estimating non-product related investment**  
Wang G, Chinnam R. B. , DOĞAN I, Jia Y, Houston M, OCKERS J.  
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.53, no.13, pp.3917-3933, 2015 (Peer-Reviewed Journal)
- III. **A reinforcement learning approach to competitive ordering and pricing problem**  
DOĞAN I, Guener A. R.  
EXPERT SYSTEMS, vol.32, no.1, pp.39-48, 2015 (Peer-Reviewed Journal)
- IV. **Analysis of facility location model using Bayesian Networks**  
Dogan I.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.39, no.1, pp.1092-1104, 2012 (Peer-Reviewed Journal)
- V. **Combining Bayesian Networks and Total Cost of Ownership method for supplier selection analysis**  
DOĞAN İ, Aydın N.  
COMPUTERS & INDUSTRIAL ENGINEERING, vol.61, no.4, pp.1072-1085, 2011 (Peer-Reviewed Journal)
- VI. **Using Bayesian networks for root cause analysis in statistical process control**  
Alaeddini ., DOĞAN İ.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.38, no.9, pp.11230-11243, 2011 (Peer-Reviewed Journal)
- VII. **Evaluation of the conversion from central storage to decentralized storages in cellular manufacturing environments using activity-based costing**  
Satoglu S., Durmusoglu B., DOĞAN İ.  
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, vol.103, no.2, pp.616-632, 2006 (Peer-Reviewed Journal)
- VIII. **Fuzzy group decision-making for facility location selection**  
Kahraman C., Ruan D., DOĞAN İ.  
INFORMATION SCIENCES, vol.157, pp.135-153, 2003 (Peer-Reviewed Journal)
- IX. **Factors influencing Turkish textile companies' satisfaction with ISO 9000**  
Calisir ., Kulak O., DOĞAN İ.  
TOTAL QUALITY MANAGEMENT & BUSINESS EXCELLENCE, pp.1193-1205, 2003 (Peer-Reviewed Journal)

## Articles Published in Other Journals

- I. **Tedarik Zincirinde Yatay Paylaşım Yaklaşımının Çok Amaçlı Modellenmesi**  
AYMAN B., DOĞAN I.  
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Fen Bilimleri Dergisi, vol.34, no.3, pp.36-44, 2018 (Peer-Reviewed Journal)
- II. **Kısa Ömürlü Ürünlerin Tedarik Zincirinin Modellenmesi ve Simülasyon Çalışması**  
DOĞAN I., TEKKEŞİN A., KARA A.  
Nevşehir Bilim ve Teknoloji Dergisi, vol.6, no.2, pp.605-618, 2017 (Peer-Reviewed Journal)
- III. **Design and Analysis of Agents for Supply Chain Management: Experiences from the Trading Agent Competition**  
DOĞAN İ, Yoo ., Chinnam R. B. , Vanteddu G., Jia Y.  
International Journal of Modeling and Simulation, pp.448-461, 2008 (Peer-Reviewed Journal)
- IV. **Supplier selection using activity-based costing and fuzzy present-worth techniques**  
DOĞAN İ, Sahin U.  
Logistics Information Management, pp.420-0, 2003 (Peer-Reviewed Journal)
- V. **A Study and an Application of Performance Improvement Strategies on a Supply Chain**  
DOĞAN İ, Durmusoglu M. B. , Kulak O.  
International Journal of Agile Manufacturing, vol.6, pp.41-56, 2003 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Modeling Lateral Transshipment Problem in Supply Chain with Reinforcement Learning**  
AYMAN B., DOĞAN I.  
4th International Conference on Engineering and Natural Sciences (ICENS 2018), Kiev, Ukraine, 2 - 06 May 2018, pp.156
- II. **An Ordering Replenishment Policy For Perishable Inventory Systems Under Stochastic Demand**  
KARA A., DOĞAN I.  
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017) 2017, Adana, Turkey, 25 - 27 October 2017
- III. **İki Aşamalı Tedarik Zincirinde Eş ve Farklı Zamanlı Siparişler İçin Yeni Yatay Paylaşım Politikaları**  
AYMAN B., DOĞAN I.  
International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.689
- IV. **Optimal Ordering Policies for Perishable Product Supply Chain: A Reinforcement Learning Model**  
KARA A., DOĞAN I.  
47th International Conference on Computers & Industrial Engineering (CIE47) 2017, Lizbon, Portugal, 11 - 13 October 2017, pp.5
- V. **Kısa Ömürlü Ürünler için Bir Tedarikçi ve İki Perakendeciden Oluşan Tedarik Zincirinde Uygun Stok Politikalarının Araştırılması**  
KARA A., DOĞAN I.  
Yöneylem Araştırması ve Endüstri Mühendisliği (YAEM) 37. Ulusal Kongresi, İstanbul, Turkey, 5 - 07 July 2017, pp.11-12
- VI. **KISA ÖMÜRLÜ ÜRÜNLER İÇİN BİR TEDARİKÇİ VE İKİ PERAKENDECİDEN OLUŞAN TEDARİK ZİNCİRİNDE UYGUN STOK POLİTİKALARININ ARAŞTIRILMASI**  
KARA A., DOĞAN I.  
37. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi-YAEM 2017, İstanbul, Turkey, 5 - 07 July 2017, pp.11-12
- VII. **Tek tedarikçi ve çoklu bayi içeren bir tedarik zinciri için yeni bir yatay paylaşım yaklaşımı**  
AYMAN B., CANIYILMAZ E., DOĞAN I.  
Yöneylem Araştırması ve Endüstri Mühendisliği (YAEM) 36. Ulusal Kongresi, İzmir, Turkey, 13 - 15 July 2016, pp.139-140
- VIII. **Durağan Olmayan Talep Yapısına Sahip Kısa Ömürlü Ürün için Takviyeli Öğrenme Yöntemi ile Stok Kontrolü**  
KARA A., DOĞAN I.  
Yöneylem Araştırması ve Endüstri Mühendisliği (YAEM) 36. Ulusal Kongresi, İzmir, Turkey, 13 - 15 July 2016, pp.11-12
- IX. **Kısa Ömürlü Ürünlerin Stok Politikalarının İncelenmesi ve Kamçı Etkisi Yönünden Karşılaştırması**  
KARA A., DOĞAN I.  
Yöneylem Araştırması ve Endüstri Mühendisliği (YAEM) 35. Ulusal Kongresi, Ankara, Turkey, 9 - 11 September 2015, pp.226
- X. **Inventory Management of Perishable Products With Multi-objective Framework**  
KARA A., DOĞAN I.  
23rd International Conference on Multiple Criteria Decision Making MCDM 2015, Hamburg, Germany, 2 - 07 August 2015, pp.135-136
- XI. **A multi-objective approach for distribution planning in supply chain with lateral supply**  
BENLİ B., CANIYILMAZ E., DOĞAN I.  
23rd International Conference on Multiple Criteria Decision Making MCDM 2015, Hamburg, Germany, 2 - 07 August 2015, pp.153

## Supported Projects

İlkay M. S. , Dođan I., Yavuz Y., Cořkun A., Municipality, Kalite Yönetim Sisteminin İyileřtirilmesi ve Risk Tabanlı Süreç Yönetim Sisteminin Geliřtirilmesi, 2018 - 2019

İlkay M. S. , Dođan I., Project Supported by Other Private Institutions, Sađlık hizmetlerinde hastane tercihi ve bu tercihi etkileyen faktörleri tespiti, 2017 - 2017

İlkay M. S. , Dođan I., Project Supported by Other Official Institutions, Talas Belediyesi Performans Geliřtirme ve Modelleme, 2015 - 2015

İlkay M. S. , Dođan I., Project Supported by Other Official Institutions, Randevulu Pancar Söküm ve Teslim Sistemi, 2014 - 2014

## Metrics

Publication: 25

Citation (WoS): 470

Citation (Scopus): 515

H-Index (WoS): 7

H-Index (Scopus): 5

## Congress and Symposium Activities

47th International Conference on Computers & Industrial Engineering, Attendee, Lisboa, Portugal, 2017

2nd International Mediterranean Science and Engineering Congress, Attendee, Adana, Turkey, 2017

Yöneylem Arařtırması ve Endüstri Mühendisliđi, Attendee, İstanbul, Turkey, 2017