

## Prof. HASAN KIVANÇ AKSOY

### Personal Information

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### International Researcher IDs

ORCID: 0000-0001-7954-9327

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### Education Information

Doctorate, Northeastern University, Makina, Endüstri Ve Üretim Mühendisliği Bölümü / Yöneylem Araştırması, United States Of America 1997 - 2003

Postgraduate, Northeastern University, Graduate School of Engineering, Mechanical, Industrial and Manufacturing Engineering / Operations Research, United States Of America 1995 - 1997

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Statistics, Turkey 1987 - 1993

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Buffer Utilization and Performance Analysis in Remanufacturing Systems, Northeastern University, Makina, Endüstri Ve Üretim Mühendisliği Bölümü / Yöneylem Araştırması, 2003

### Research Areas

Stochastic Modeling, Optimization Theory and Methods, Production Planning and Control, Decision Theory, Supply Chain and Logistics Management, Engineering and Technology

### Academic Titles / Tasks

Professor, Eskisehir Osmangazi University, FEN FAKÜLTESİ, İSTATİSTİK BÖLÜMÜ, 2017 - Continues

Associate Professor, Eskisehir Osmangazi University, FEN FAKÜLTESİ, İSTATİSTİK BÖLÜMÜ, 2012 - 2017

Assistant Professor, Eskisehir Osmangazi University, FEN FAKÜLTESİ, İSTATİSTİK BÖLÜMÜ, 2004 - 2012

Lecturer PhD, Eskisehir Osmangazi University, FEN FAKÜLTESİ, İSTATİSTİK BÖLÜMÜ, 2003 - 2004

Research Assistant, Eskisehir Osmangazi University, FEN FAKÜLTESİ, İSTATİSTİK BÖLÜMÜ, 1995 - 2003

### Academic and Administrative Experience

Head of Department, Eskisehir Osmangazi University, FEN FAKÜLTESİ, İSTATİSTİK BÖLÜMÜ, 2018 - 2019  
Erasmus Coordinator, Eskisehir Osmangazi University, FEN FAKÜLTESİ, İSTATİSTİK BÖLÜMÜ, 2005 - 2019  
Deputy Head of Department, Eskisehir Osmangazi University, FEN FAKÜLTESİ, İSTATİSTİK BÖLÜMÜ, 2011 - 2015  
Deputy Head of Department, Eskisehir Osmangazi University, FEN FAKÜLTESİ, İSTATİSTİK BÖLÜMÜ, 2004 - 2005

## Courses

DOĞRUSAL OLMAYAN PROGRAMLAMA, Postgraduate, 2023 - 2024  
Statistics, Undergraduate, 2023 - 2024  
Statistics, Undergraduate, 2023 - 2024  
YÖNEYLEM ARAŞTIRMASI II, Undergraduate, 2023 - 2024  
Probability, Undergraduate, 2016 - 2017  
TEKNİK İNGİLİZCE II, Undergraduate, 2016 - 2017  
BENZETİM (ESOGÜ), Undergraduate, 2016 - 2017  
Benzetim (Anadolu Üniversitesi), Undergraduate, 2016 - 2017  
Simulation (Anadolu Üniversitesi), Undergraduate, 2016 - 2017  
GUVENİLİRLİK ANALİZİ I, Undergraduate, 2016 - 2017

## Jury Memberships

Associate Professor Exam, Associate Professor Exam, Eskişehir Osmangazi Üniversitesi, December, 2023  
Associate Professor Exam, Associate Professor Exam, Eskişehir Osmangazi Üniversitesi, September, 2021  
Associate Professor Exam, Associate Professor Exam, Eskişehir Osmangazi Üniversitesi, February, 2020

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

- I. **IMPROVING REMANUFACTURING SYSTEMS DECISIONS BY BAYESIAN APPROACH**  
AKSOY H. K., Gupta S. M.  
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING-THEORY APPLICATIONS AND PRACTICE, vol.25, no.3, pp.316-334, 2018 (SCI-Expanded)
- II. **Structural Equation Model for Environmentally Conscious Purchasing Behavior**  
Arslan T., YILMAZ V., Aksoy H. K.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, vol.6, no.1, pp.323-334, 2012 (SCI-Expanded)
- III. **Optimal management of remanufacturing systems with server vacations**  
AKSOY H. K., Gupta S. M.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.54, pp.1199-1218, 2011 (SCI-Expanded)
- IV. **Near optimal buffer allocation in remanufacturing systems with N-policy**  
AKSOY H. K., Gupta S. M.  
COMPUTERS & INDUSTRIAL ENGINEERING, vol.59, no.4, pp.496-508, 2010 (SCI-Expanded)
- V. **Buffer allocation plan for a remanufacturing cell**  
Aksoy H. K., Gupta S.  
COMPUTERS & INDUSTRIAL ENGINEERING, vol.48, no.3, pp.657-677, 2005 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A Multi-objective Model for Remanufacturing System**  
AKSOY H. K.

Nicel Bilimler Dergisi, vol.1, no.2, pp.21-35, 2019 (Peer-Reviewed Journal)

**II. A Bayesian approach to demand estimation**

AKSOY H. K., GÜNER A.

Procedia Economics and Finance, vol.26, pp.777-784, 2015 (Peer-Reviewed Journal)

**III. Yeniden Üretim Sistemlerinde En İyi Geri Dönüşüm ve Atık Politikalarının Belirlenmesi**

AKSOY H. K.

Eskişehir Osmangazi Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.20, no.2, pp.121-134, 2007 (Peer-Reviewed Journal)

## **Books & Book Chapters**

**I. Impact of Buffer Size and Remanufacturing Uncertainties on the Hybrid System Performance Measures**

Aksoy H. K.

in: Responsible Manufacturing Issues Pertaining to Sustainability, Kishore K. Pochampally, Surendra M. Gupta, Editor, CRC Press Taylor & Francis Group, Florida, pp.207-225, 2021

**II. Hypothesis Testing for One Sample**

AKSOY H. K.

in: Statistics 2, Er Fikret, Sönmez Harun, Editor, Anadolu University, pp.49-73, 2019

**III. Hypothesis Testing for Two Samples and Analysis of Variance**

AKSOY H. K.

in: Statistics 2, Er Fikret, Sönmez Harun, Editor, Anadolu University, pp.74-98, 2019

**IV. Impact of Buffer Size and Remanufacturing Uncertainties on the Hybrid System Performance Measures**

AKSOY H. K., Gupta S. M.

in: Responsible Manufacturing Issues Pertaining to Sustainability, Ammar Y. Alqahtani, Elif Kongar, Kishore K. Pochampally and Surendra M. Gupta, Editor, CRC Press, pp.207-226, 2019

**V. Collecting and Organizing Data**

Greenacre M., ÇOLAK E., KAN KILINÇ B., GENÇ KUMTEPE E., ARSLAN G., AKSOY H. K.

in: Statistics I, Er Fikret, Sönmez Harun, Editor, Anadolu Üniversitesi Yayınları, Eskişehir, pp.21-44, 2018

**VI. Variability Measures**

Greenacre M., ÇOLAK E., KAN KILINÇ B., GENÇ KUMTEPE E., ARSLAN G., AKSOY H. K.

in: Statistics I, Er Fikret, Sönmez Harun, Editor, Anadolu Üniversitesi, Eskişehir, pp.109-130, 2018

## **Refereed Congress / Symposium Publications in Proceedings**

**I. Bayesian Decision Making for Hybrid System with Classifying Returns**

AKSOY H. K., Gupta S. M.

16th. International Logistics and Supply Chain Congress, 18 - 20 October 2018

**II. Tersine Lojistikte Bayesci Yaklaşım**

AKSOY H. K., ERGÜL B.

EYİ 2017XVIII. Uluslararası Ekonometri Yöneylem Araştırması ve İstatistik Sempozyumu, 5 - 07 October 2017

**III. BAYESIAN APPROACH TO DEMANDESTIMATION WITH JEFFREYS PRIOR**

GÜNER A., AKSOY H. K.

2nd International Conference on Advances in Statistics Zagreb/Croatia, 19 - 22 April 2016

**IV. BAYESIAN DECISION MAKING FOR MANUFACTURING REMANUFACTURING SYSTEM**

AKSOY H. K., GUPTA S.

2016 Annual Conference of the Northeast Decision Sciences Institute, 31 March - 02 April 2016

**V. RETAIL DEMAND ESTIMATION USING BAYESIAN UPDATING**

AKSOY H. K.

2016 Annual Conference of the Northeast Decision Sciences Institute, 31 March - 02 April 2016

- VI. **A Bayesian Approach to Demand Estimation**  
AKSOY H. K., GÜNER A.  
4th World Conference on Business, Economics and Management (WCBEM), Ephesus, Turkey, 30 April - 02 May 2015, vol.26, pp.777-784
- VII. **Hibrid Sistemler İçin Bayesci Yaklaşım**  
AKSOY H. K., GÜNER A.  
15th. International Symposium on Econometrics, Operations Research and Statistics, 22 May 2013 - 25 May 2014
- VIII. **Talep Tahmininde Bayesci Yaklaşım**  
GÜNER A., AKSOY H. K.  
15th. International Symposium on Econometrics, Operations Research and Statistics, 22 - 25 May 2014
- IX. **Hibrid Sistemler için Bayesci Yaklaşım**  
AKSOY H. K., GÜNER A.  
15. Uluslararası Ekonometri, Yöneylem Araştırmasıve İstatistik Sempozyumu, 22 - 24 May 2014
- X. **TALEP TAHMİNİNDE BAYESÇİ YAKLAŞIM**  
GÜNER A., AKSOY H. K.  
15. Uluslararası Ekonometri, Yöneylem Araştırmasıve İstatistik Sempozyumu, 22 - 25 May 2014
- XI. **Multi objective Vehicle Routing Problem with Time Windows Using Genetic Algorithms**  
Bilge A., AKSOY H. K.  
Proceedings of the 8th. International Symposium of Statistics, Turkey, 11 - 13 October 2012, pp.81-82
- XII. **Finansal Risk Kısıtlı Tek Dönem Stokastik Envanter Problemine Bulanık Hedef Programlama Yaklaşımı**  
ÖĞÜTLÜ A. S., AKSOY H. K.  
10. Ekonometri ve İstatistik Sempozyumu Bildiriler Özet Kitabı, Turkey, 22 - 25 May 2009, pp.91
- XIII. **Bulanık İadeli Tek Dönem Envanter Problemi**  
ÖĞÜTLÜ A. S., AKSOY H. K.  
Yöneylem Araştırması ve Endüstri Mühendisliği 28. Ulusal Kongresi, İstanbul, Turkey, 22 - 25 July 2008, pp.152
- XIV. **Stokastik Üretim Zamanına Sahip Hibrid Sistem Tasarımı**  
AKSOY H. K.  
Yöneylem Araştırması/Endüstri Mühendisliği 27. Ulusal Kongresi, İzmir, Turkey, 11 July - 14 November 2007, pp.780-785
- XV. **Bayesian Updating of Recovery Rate Distribution**  
AKSOY H. K.  
Proceedings of the 2010 Annual Meeting of the Northeast Decision Sciences Institute, United States Of America, 26 March 2010 - 29 November 2004, pp.480-485
- XVI. **Remanufacturing Control in Multistage Systems with Stochastic Recovery Rates**  
AKSOY H. K., Gupta S. M.  
Proceedings of the SPIE International Conference on Environmentally Conscious Manufacturing, United States Of America, 29 October - 02 November 2004, pp.264-273
- XVII. **Capacity and Buffer Trade offs in a Remanufacturing System**  
AKSOY H. K., Gupta S. M.  
Proceedings of the SPIE International Conference on Environmentally Conscious Manufacturing, United States Of America, 26 - 29 October 2001, pp.167-174
- XVIII. **Optimal Buffer Allocation of an Unbalanced Remanufacturing System with Unreliable Servers**  
AKSOY H. K., Gupta S. M.  
Proceedings of the International Conference on Computers and Industrial Engineering, United States Of America, 11 - 14 May 2001, pp.202-207
- XIX. **Effect of Reusable Rate Variaton on the Optimal Buffer Allocation for Remanufacturing Systems**  
AKSOY H. K., Gupta S. M.  
Proceedings of the 2001 Annual Meeting of the Northeast Decision Sciences Institute, United States Of America, 29

March - 02 April 2001, pp.116-118

**XX. Effect of Reusable Rate Variation on the Performance of Remanufacturing Systems**

AKSOY H. K., Gupta S. M.

Proceedings of the SPIE International Conference on Environmentally Conscious Manufacturing, United States Of America, 24 - 27 November 2000, pp.13-20

**XXI. Buffer Allocation Plan for Cellular Remanufacturing Systems**

AKSOY H. K., Gupta S. M.

Proceedings of the 2000 World Symposium on Group Technology/ Cellular Manufacturing, United States Of America, 25 - 29 May 2000, pp.239-244

**XXII. Near Optimal Buffer Allocation Plan for Remanufacturing Systems**

AKSOY H. K., Gupta S. M.

Proceedings of the 2000 Annual Meeting of the Northeast Decision Sciences Institute, United States Of America, 24 - 27 March 2000, pp.111-113

**XXIII. An Open Queueing Network Model for Remanufacturing Systems**

AKSOY H. K., Gupta S. M.

Proceedings of the International Conference on Computers and Industrial Engineering, United States Of America, 23 - 26 April 1999, pp.62-65

**XXIV. An Analytical Model for Remanufacturing Systems**

AKSOY H. K., Gupta S. M.

Proceedings of the 1999 Annual Meeting of the Northeast Decision Sciences Institute, United States Of America, 26 - 29 March 1999, pp.83-85

## **Metrics**

Publication: 38

Citation (WoS): 111

Citation (Scopus): 138

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H-Index (Scopus): 4