

## Prof. HÜLYA TORUN

### Personal Information

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### International Researcher IDs

ScholarID: 1710485723954

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Publons / Web Of Science ResearcherID: AAA-5355-2021

ScopusID: 24605274600

Yoksis Researcher ID: 121440

### Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği , Turkey 2007 - 2011

Postgraduate, Bogazici University, Institute Of Science, Endüstri Mühendisliği , Turkey 2003 - 2006

Undergraduate, Erciyes University, Mühendisli Fakültesi, Endüstri Mühendisliği Bölümü, Turkey 1997 - 2001

### Foreign Languages

English, B2 Upper Intermediate

Spanish, B1 Intermediate

### Certificates, Courses and Trainings

Education Management and Planning, Erasmus Öğrenci Değişim Programı, Universidad Politecnica de Valencia, 2009

### Dissertations

Doctorate, Üretim Sistemlerinde Bulanık Tek Dönemli Stok Kontrol Modelleri, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği , 2011

Postgraduate, Performance Analysis of a Hybrid System under Quality Impact of Returns, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği , 2006

### Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Computer Learning, Fuzzy Sets and Systems, Inventory Systems, Decision Theory, Multi Criteria Decision Making, Decision Support Systems, Supply Chain and Logistics Management

## Academic Titles / Tasks

Professor, Erciyes University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2022 - Continues  
Associate Professor, Erciyes University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2015 - 2022  
Assistant Professor, Erciyes University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2011 - 2015  
Research Assistant, Istanbul Technical University, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, 2007 - 2011  
Research Assistant, Bogazici University, Faculty Of Engineering, Department Of Industrial Engineering, 2003 - 2007  
Research Assistant, Erciyes University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2001 - 2003

## Academic and Administrative Experience

Deputy Head of Department, Erciyes University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2022 - Continues

## Courses

Üretim Planlama ve Kontrol-II, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Karar Analizi, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Çok Kriterli Karar Verme, Postgraduate, 2020 - 2021, 2018 - 2019  
Sistem Simülasyonu, Undergraduate, 2020 - 2021  
Stokastik Envanter Yönetimi, Postgraduate, 2019 - 2020  
Proje Yönetimi, Undergraduate, 2019 - 2020  
Karar Analizleri, Postgraduate, 2019 - 2020  
Endüstri Mühendisliğine giriş, Undergraduate, 2019 - 2020  
Bulanık Küme Teorisi, Undergraduate, 2018 - 2019  
Üretim Planlama ve Kontrol I, Undergraduate, 2018 - 2019

## Advising Theses

Torun H., Bulanık küme uzantıları ile çoklu kriter altında grupla karar verme, Postgraduate, M.GÖRDEBİL(Student), 2020  
Torun H., Bakım onarım uygulamaları için bir bulanık karar destek sistemi tasarımı, Postgraduate, S.Çetinkaya(Student), 2019  
TORUN H., Tedarik Zinciri Yönetimindeki Sözleşmelerin Bulanık Ortamda İncelenmesi, Doctorate, G.Canbulut(Student), 2018  
TORUN H., Çok Kriterli Tesis Yeri Seçimi Problemi ve Bir Doğalgaz Firmasında Uygulaması, Postgraduate, H.Eroğlu(Student), 2018  
TORUN H., İşbirlikleri Yönetimi Süreç Tasarımı ve Bir Tekstil Firmasında Uygulanması, Postgraduate, B.Tuna(Student), 2014

## Jury Memberships

Doctorate, Bulanık Ortamda Bozulma ve Öğrenme Etkileri Altında Çok Amaçlı Paralel Makine Çizelgeleme Problemleri, Erciyes Üniversitesi Fen Bilimleri Enstitüsü, July, 2017

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

- I. Analysis of fuzzy supply chain performance based on different buyback contract configurations  
Canbulut G., Torun H.  
SOFT COMPUTING, vol.24, pp.1673-1682, 2020 (SCI-Expanded)
- II. Analysis of two stage supply chain coordination under fuzzy demand

Torun H., Canbulut G.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, no.3, pp.1315-1328, 2019 (SCI-Expanded)

- III. **Performance Evaluation of a Two-stage Supply Chain Under Fuzzy Environment**  
TORUN H., CANBULUT G.  
JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, vol.31, pp.495-530, 2018 (SCI-Expanded)
- IV. **Group decision making with intuitionistic fuzzy preference relations**  
Behret H.  
KNOWLEDGE-BASED SYSTEMS, vol.70, pp.33-43, 2014 (SCI-Expanded)
- V. **A Fuzzy Inference System for Multiple Criteria Job Evaluation Using Fuzzy AHP**  
Kutlu A. C., Behret H., Kahraman C.  
JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, vol.23, pp.113-133, 2014 (SCI-Expanded)
- VI. **RISK GOVERNANCE OF URBAN RAIL SYSTEMS USING FUZZY AHP: THE CASE OF ISTANBUL**  
Sari I. U., Behret H., Kahraman C.  
INTERNATIONAL JOURNAL OF UNCERTAINTY FUZZINESS AND KNOWLEDGE-BASED SYSTEMS, vol.20, pp.67-79, 2012 (SCI-Expanded)
- VII. **Multicriteria Evaluation of Environmentally Conscious Manufacturers Under Fuzzy Environment**  
BEHRET H., UÇAL İ., KAHRAMAN C.  
JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, vol.18, pp.457-477, 2012 (SCI-Expanded)
- VIII. **Single-Period Inventory Models with Discrete Demand Under Fuzzy Environment**  
BEHRET H., KAHRAMAN C.  
JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, vol.18, pp.371-386, 2012 (SCI-Expanded)
- IX. **A MULTI-PERIOD NEWSVENDOR PROBLEM WITH PRE-SEASON EXTENSION UNDER FUZZY DEMAND**  
Behret H., Kahraman C.  
JOURNAL OF BUSINESS ECONOMICS AND MANAGEMENT, vol.11, no.4, pp.613-629, 2010 (SSCI)
- X. **Performance analysis of a hybrid system under quality impact of returns**  
Behret H., Korugan A.  
COMPUTERS & INDUSTRIAL ENGINEERING, vol.56, no.2, pp.507-520, 2009 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A fuzzy integrated approach for the selection of academic papers to a special issue**  
Behret H., Gumussoy C. A.  
International Journal of Applied Management Science, vol.4, no.4, pp.371-384, 2012 (Scopus)

## Books & Book Chapters

- I. **Alliance Management Process Design with Failure Mode and Effect Analysis**  
BEHRET H., TUNA B.  
in: Modelling and Management of Engineering Processes, Schabacker M., Gericke K., Szelig N., Vajna S., Editor, Springer Berlin Heidelberg, Berlin, pp.163-174, 2014
- II. **Fuzzy Inference Systems for Disaster Response**  
BEHRET H., ÖZTAYŞI B., KABAK Ö., UÇAL SARI İ., KAHRAMAN C.  
in: Decision Aid Models for Disaster Management and Emergencies, Vitoriano B., Montero J., Ruan D. , Editor, Atlantis Press, Paris, pp.75-94, 2013
- III. **Fuzzy Logic Applications in Cellular Manufacturing System Design**  
BEHRET H., SATOĞLU S. İ.  
in: Computational Intelligence Systems in Industrial Engineering, Cengiz Kahraman, Editor, Atlantis Press, Amsterdam, pp.505-533, 2012

#### IV. A Fuzzy Inference System for Supply Chain Risk Management

BEHRET H., Öztayşi B., Kahraman C.

in: Practical Applications of Intelligent Systems, Wang Y., Li T., Editor, Springer Berlin Heidelberg, Berlin, pp.429-438, 2012

### Refereed Congress / Symposium Publications in Proceedings

- I. **BULANIK ORTAMDA BAKIM ÖNCELİKLENDİRMESİNE YÖNELİK METODOLOJİK BİR YAKLAŞIM**  
TORUN H., KULLUK S., KOÇ M.  
SIVAS II. INTERNATIONAL CONFERENCE ON SCIENTIFIC AND INNOVATION RESEARCH, Sivas, Turkey, 15 - 17 September 2023, pp.970-987
- II. **KESTİRİMCİ BAKIMDA MAKİNE ÖĞRENMESİ: SAYISAL BİR VAKA ÇALIŞMASI**  
Kulluk S., Torun H., Ay M. M., Akargöl İ.  
SIVAS II. INTERNATIONAL CONFERENCE ON SCIENTIFIC AND INNOVATION RESEARCH , Sivas, Turkey, 15 - 17 September 2023, pp.988-1001
- III. **Multi Criteria Decision Making Basedon TOPSIS Method with Extended Fuzzy Sets**  
TORUN H., GÖRDEBİL M.  
INFUS 2019: Intelligent and Fuzzy Techniques in Big Data Analytics and Decision Making, İstanbul, Turkey, 23 - 25 July 2019, vol.1029, pp.558-566
- IV. **Machine Criticality Level Assignment with Fuzzy Inference System for RCM**  
TORUN H., ÇETİNKAYA S.  
INFUS 2019: Intelligent and Fuzzy Techniques in Big Data Analytics and Decision Making, İstanbul, Turkey, 23 - 25 July 2019, vol.1029, pp.1363-1370
- V. **Training Fuzzy Neural Networks with Social Spider Algorithm**  
GÜLMEZ B., KULLUK S., TORUN H.  
5th International Fuzzy Systems Symposium (FUZZYSS'17), 14 - 15 October 2017
- VI. **Analysis of Fuzzy Supply Chain Performance on Buyback Contract Forms**  
CANBULUT G., TORUN H.  
The 5th International Fuzzy Systems Symposium (FUZZYSS'17), Ankara, Turkey, 14 - 15 October 2017, pp.68
- VII. **Tedarik zinciri sözleşmeleri literatürünün bulanık ortamda incelenmesi**  
CANBULUT G., TORUN H.  
International Symposium on Industry 4.0 and Applications (ISIA 2017), Karabük, Turkey, 12 - 14 October 2017, pp.22-26
- VIII. **Çok kriterli karar verme yöntemi ile bir doğal gaz dağıtım şirketi için yeni yatırım merkezi seçim probleminin incelenmesi**  
EROĞLU H., TORUN H.  
International Symposium on Industry 4.0 and Applications (ISIA 2017), Karabük, Turkey, 12 - 14 October 2017, pp.27-31
- IX. **ANALYSIS OF SUPPLY CHAIN PERFORMANCE UNDER FUZZY VERSUS STOCHASTIC DEMAND**  
TORUN H., CANBULUT G.  
INTERNATIONAL SYMPOSIUM FOR PRODUCTION RESEARCH 2017, Viyana, Austria, 13 - 15 September 2017, pp.781-786
- X. **Alliance Management Process Design with Failure Mode and Effect Analysis**  
TUNA B., BEHRET H.  
3'rd International Conference on Modelling and Management of Engineering Processes, Magdeburg, Germany, 20 - 21 November 2013, pp.159-169
- XI. **A GROUP DECISION MAKING MODEL WITH INTUITIONISTIC FUZZY PREFERENCE RELATIONS**  
Behret H.  
10th International Conference on Fuzzy Logic and Intelligent Technologies in Nuclear Science (FLINS), İstanbul, Turkey, 26 - 29 August 2012, vol.7, pp.195-200

- XII. **A Fuzzy Inference System for Supply Chain Risk Management**  
Behret H., Öztaysi B., Kahraman C.  
6th International Conference on Intelligent Systems and Knowledge Engineering (ISKE 2011), Shanghai, China, 15 - 17 December 2011, vol.124, pp.429-432
- XIII. **A Fuzzy Optimization Model for Single-Period Inventory Problem**  
Behret H., Kahraman C.  
World Congress on Engineering (WCE 2011), London, Canada, 6 - 08 July 2011, pp.1100-1105
- XIV. **ANALYSIS OF SINGLE-PERIOD INVENTORY MODELS WITH DISCRETE DEMAND UNDER FUZZY ENVIRONMENT**  
Behret H., Kahraman C.  
9th International FLINS Conference on Computational Intelligence: Foundations and Applications, Emei, PEOPLES R CHINA, 2 - 04 August 2010, vol.4, pp.445-450
- XV. **A fuzzy clustering application in a cellular manufacturing system**  
TORUN H., Kahraman C.  
8th International Conference on Fuzzy Logic and Intelligent Technologies in Nuclear Science, Madrid, Spain, 21 - 24 September 2008, pp.1117-1122
- XVI. **TSP Based Flowshop Scheduling via Nearest Neighbour Algorithm**  
İNCE Ö., BEHRET H., ÇEVİKCAN E., YENİSEY M. M.  
CEFIS 2007 11TH IFAC SYMPOSIUM, İstanbul, Turkey, 9 - 11 October 2007, pp.387-391
- XVII. **Performance Analysis of Dispatching Rules in Dynamic Job Shop Scheduling**  
BEHRET H.  
EUROXXII: Proceedings of the 22nd European Conference on Operational Research, Czech Republic, 1 - 04 July 2007, pp.114
- XVIII. **Performance evaluation of operational parameters on RFID controlled conveyor system**  
Kabadurmus O., Kilinc S., Behret H., Uygun G.  
1st International RFID Eurasia Conference, İstanbul, Turkey, 5 - 06 September 2007, pp.307-308
- XIX. **Quality of returns: Is it a factor in remanufacturing?**  
Behret H., Korugan A.  
Environmentally Conscious Manufacturing V, Boston, MA, United States Of America, 23 - 24 October 2005, vol.5997
- XX. **The Impact of Quality Uncertainty of Returns in Remanufacturing**  
BEHRET H., Korugan A.  
Proceedings of the 35th International Conference on Computers & Industrial Engineering (ICC&IE), Turkey, 1 - 04 June 2005, pp.275-280

## Supported Projects

- Torun H., Kulluk S., Ay M. M., TUBITAK Project, AKILLI BAKIM KARAR DESTEK SİSTEMİ VE DERİN ÖĞRENMEYE DAYALI KESTİRİMCİ BAKIM UYGULAMASI, 2021 - 2023
- TORUN H., CANBULUT G., Project Supported by Higher Education Institutions, TEDARİK ZİNCİRİ YÖNETİMİNDEKİ ANLAŞMALARIN BULANIK ORTAMDA İNCELENMESİ, 2017 - 2018
- TORUN H., EROĞLU H., Project Supported by Higher Education Institutions, Çok Kriterli Tesis Yeri Seçimi Problemi ve Bir Doğalgaz Firmasında Uygulaması, 2017 - 2018
- TORUN H., TUNA B., Project Supported by Higher Education Institutions, İŞBİRLİKLERİ YÖNETİMİ SÜREÇ TASARIMI VE BİR TEKSTİL FİRMASINDA UYGULAMASININ YAPILMASI, 2013 - 2014

## Metrics

Publication: 35

Citation (WoS): 210

Citation (Scopus): 140

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H-Index (Scopus): 5