

## Prof. Yusuf İlker Topcu

### Personal Information

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### International Researcher IDs

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### Biography

Y. İlker Topcu is a Professor of Decision Sciences at Industrial Engineering Department of Istanbul Technical University (ITU). He visited Leeds University Business School from 1998 through 1999 as a visiting researcher and received his Ph.D. degree in Engineering Management from ITU in 2000.

He held visiting professor position at University of Pittsburgh The Joseph M. Katz Graduate School of Business from 2018 through 2019.

He is an executive committee member of International Society of Multiple Criteria Decision Making since 2015.

He was the general chair of the 25<sup>th</sup> International Conference on Multiple Criteria Decision Making (MCDM 2019) which took place in İstanbul, Turkey from June 16 to June 21, 2019.

His research interests include multiple criteria decision making, decision analysis, and operations research/management science. He has published several journal papers, book chapters, and conference proceedings. He edited a book for Springer entitled "OR Applications in Health Care Management".

### Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (Dr), Turkey 1995 - 2000

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği Anabilim Dalı, Turkey 1993 - 1995

Undergraduate, Istanbul Technical University, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, Turkey 1989 - 1993

### Foreign Languages

English

### Dissertations

Doctorate, Çok ölçütlü sorun çözümüne yönelik bir bütünleşik karar destek modeli, İstanbul Teknik Üniversitesi, Fen

Bilimleri Enstitüsü, Endüstri Mühendisliği (Dr), 2000

Postgraduate, Ulaştırma yapılarına uygun su geçişlerinin önerilmesinde uzman sistem yaklaşımı, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği Anabilim Dalı, 1995

## Research Areas

Industrial Engineering , Optimization Theory and Methods, Decision Theory, Multi Criteria Decision Making, Engineering and Technology

## Academic Titles / Tasks

Professor, Istanbul Technical University, İşletme, Endüstri Mühendisliği, 2011 - Continues

Professor, University of Pittsburgh, The Joseph M. Katz Graduate School of Business, 2018 - 2019

Associate Professor, Istanbul Technical University, İşletme, Endüstri Mühendisliği, 2005 - 2011

Assistant Professor, Istanbul Technical University, İşletme, Endüstri Mühendisliği, 2001 - 2005

Lecturer PhD, Istanbul Technical University, İşletme, Endüstri Mühendisliği, 2000 - 2001

Research Assistant, Istanbul Technical University, İşletme, Endüstri Mühendisliği, 1994 - 2000

Researcher, University of Leeds, Business School (LUBS), 1998 - 1999

## Academic and Administrative Experience

Fakülte Kurulu Üyesi, Istanbul Technical University, İşletme, Endüstri Mühendisliği, 2014 - 2017

Fakülte Yönetim Kurulu Üyesi, Istanbul Technical University, İşletme, Endüstri Mühendisliği, 2007 - 2011

Erasmus Coordinator, Istanbul Technical University, İşletme, Endüstri Mühendisliği, 2004 - 2008

## Courses

ML523 Lojistik Planlama ve TZY, Postgraduate, 2016 - 2017

## Advising Theses

Topcu Y. İ., Atık Su Arıtma Tesislerinin Ünitelerinin Esneklik Potansiyeline Dayalı Tüketim Optimizasyonu, Postgraduate, Y.ERTUĞRUL(Student), 2020

Topcu Y. İ., AHP ve TOPSIS yöntemlerini kullanarak tip 2 diyabet hastalığı için risk puanı hesaplama ve en iyi tedavi seçeneğini belirleme, Postgraduate, S.DİNÇ(Student), 2019

Topcu Y. İ., Meteorolojik veri kullanılarak elektriksel arıza kestirimi yapılması ve proaktif onarım faaliyetleri için karar destek sistemi geliştirilmesi, Postgraduate, N.UMUT(Student), 2019

Topcu Y. İ., Uncapacitated multiple allocation hub location problem under congestion, Doctorate, Ç.ÖZGÜN(Student), 2019

Topcu Y. İ., A decision model for customer order prioritization and facility layout design, a case study for structural steel production in construction industry, Doctorate, B.NALBANTOĞLU(Student), 2018

Kabak Ö., Topcu Y. İ., Ticari banka kredilerinin değerlendirilmesine yönelik bir karar destek modeli, Doctorate, S.GÜL(Student), 2017

Topcu Y. İ., Tüketicilerin Türkiye'deki kahve zincirlerini tercihlerine yönelik bir karar destek modeli, Postgraduate, G.KADIOĞLU(Student), 2017

Burnaz H. Ş., Topcu Y. İ., Hızlı Tüketim Ürünleri Sektöründe Analitik Ağ Süreci İle Reklam Mecrası Seçimi, Postgraduate, C.YEŞİLYURT(Student), 2016

- Topcu Y. İ., Analitik ağ süreci ve Promethee teknikleri ile hastane yer seçimi: Trabzon örneği, Postgraduate, G.İMAMOĞLU(Student), 2015
- Topcu Y. İ., Yorgunluk risk yönetim sistemi kapsamında Türkiye'deki bir hava yolu şirketinde analitik ağ süreci ile risk değerlendirme yaklaşımı uygulaması, Postgraduate, T.DEMİREL(Student), 2015
- Topcu Y. İ., Determining appropriate public locations for automated external defibrillator (AED) deployment: A case study in city of Valencia, Postgraduate, T.ESİN(Student), 2015
- Kabak Ö., Topcu Y. İ., Banka Şubeleri için Uygun Yer Seçiminin Belirlenmesi, Doctorate, A.BAŞAR(Student), 2014
- Topcu Y. İ., Mağaza yeri seçimine yönelik bir karar destek modeli ve bir uygulama, Postgraduate, M.SÜERKAN(Student), 2014
- Topcu Y. İ., Konut fiyatlarının çok kriterli bir karar destek modeli ile tahmin edilmesi, Postgraduate, S.KAVAS(Student), 2014
- Topcu Y. İ., Türkiye'de Eğitimli Genç Mobil Telefon Kullanıcılarının Satın Alma Davranışlarına Etki Eden Faktörlerin Belirlenmesi ve Önceliklendirilmesine Yönelik Bir Karar Modeli, Postgraduate, D.KADIOĞLU(Student), 2013
- Topcu Y. İ., Newly proposed algorithms based on column generation and metaheuristics for flexible job shop scheduling problem, Doctorate, D.ÇINAR(Student), 2013
- Topcu Y. İ., Gemi filo yönetiminde operasyonel risk kontrolü için bir karar verme yaklaşımı, Doctorate, K.ÇİÇEK(Student), 2013
- Topcu Y. İ., Online Alışveriş Sitesi Tercihlerinde Etkili Olan Kriterlerin Belirlenmesine ve Önceliklendirilmesine yönelik bir Karar Modeli, Postgraduate, E.CAVLAK(Student), 2012
- Topcu Y. İ., Turistik Faaliyetlerin Seçimine Yönelik Bir Çok Ölçütlü Karar Destek Modeli, Postgraduate, S.GÜL(Student), 2012
- Topcu Y. İ., Türkiye'de Elektrik Üretiminde Kullanılacak Yakıt Türlerinin Değerlendirilmesine yönelik bir Karar Modeli, Postgraduate, Ş.TAYŞİ(Student), 2012
- Topcu Y. İ., Harbe hazırlığın yönetimine yönelik bir karar destek sistemi, Doctorate, A.KANDAKOĞLU(Student), 2012
- Topcu Y. İ., A Multi-Criteria Decision Model for the Evaluation of Emergency Department Performance, Postgraduate, S.TÜZÜN(Student), 2012
- Topcu Y. İ., İstanbul ulaşım ağının kritik yapılarının önceliklendirilmesi üzerine CBS tabanlı bir karar destek modeli, Doctorate, Ö.ÖZAYDIN(Student), 2012
- Topcu Y. İ., Increased Enforcement of Foreign Corrupt Practices Act: Use of Artificial Neural Network for the Selection of Sales Intermediaries, Doctorate, O.SARAÇOĞLU(Student), 2011
- Topcu Y. İ., Yolcuların Havalimanında Geçirdiği Zamanın Etkinliği ile İlgili Faktörlerin Değerlendirilmesi: bir Bulanık Bilişsel Harita Uygulaması, Postgraduate, Ç.KADAİFÇİ(Student), 2011
- Burnaz H. Ş., Topcu Y. İ., Evaluating Product Portfolio Performance for A Manufacturing Company in The Automotive Industry, Postgraduate, F.YILMAZ(Student), 2010
- Topcu Y. İ., A Decision Support System to Determine the Sport Sponsorship Response, Postgraduate, M.İŞİK(Student), 2010
- Topcu Y. İ., Ardışık Karar Verme Modelleri ve bir POMDP Uygulaması, Postgraduate, T.VAROL(Student), 2010
- Topcu Y. İ., Binek Otomobillerde CO2 Emisyon Miktarının Azaltılmasına Yönelik Stratejilerin Analitik Ağ Süreci Bazlı Hedef Programlama Modeli ile Değerlendirilmesi, Doctorate, N.AKGERMAN(Student), 2010
- Topcu Y. İ., Vakıflar için stratejik bir karar modelinin geliştirilmesi, Postgraduate, G.ERMİŞ(Student), 2009
- Topcu Y. İ., Futbol sektöründe bir karar destek modeli uygulaması, Postgraduate, S.RÜSTEMOĞLU(Student), 2009
- Topcu Y. İ., Telekomünikasyon Sektöründe İptal Analizi, Postgraduate, P.KİŞİOĞLU(Student), 2009
- Topcu Y. İ., Zaman Pencere Araç Rotalama Problemi'nin Genetik Algoritma ile Modellenmesi, Postgraduate, P.DURSUN(Student), 2009
- Topcu Y. İ., An Integrated Decision Support System towards Risk-Based Analytical Modelling of Managerial Processes in Shipping Business, Doctorate, M.ÇELİK(Student), 2009
- Topcu Y. İ., Deciding on RFID Tagging Level of Inventories, Postgraduate, E.KORKMAZ(Student), 2008
- Topcu Y. İ., An Algebraic Approach to Sensitivity Analysis in Linear Programming, Postgraduate, K.TINÇ(Student), 2007
- Topcu Y. İ., Genetik Algoritma ve Bir Uygulama, Postgraduate, A.ALTAŞ(Student), 2007
- Topcu Y. İ., Comparison of FDI Receiving Capabilities of Turkey and Other EU Countries, Postgraduate, Ö.ŞENER(Student), 2006

Topcu Y. İ., Havayolu Çizelge Planlamasına Yönelik Bir Karar Destek Modeli, Postgraduate, Ö.ÖZAYDIN(Student), 2005  
Topcu Y. İ., Depo Tasarım Sorunu Analizi: Bir Analitik Ağ Süreci Uygulaması, Postgraduate, F.ÖZDEMİR(Student), 2004  
Topcu Y. İ., Analitik Ağ Süreci ve Bir Uygulama, Postgraduate, B.PAMUKÇU(Student), 2003

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

- I. **Evaluation of failure risks for manual tightening operations in automotive assembly lines**  
Altinisik A., Yildirim U., Topcu Y. İ.  
ASSEMBLY AUTOMATION, vol.42, no.5, pp.653-676, 2022 (SCI-Expanded)
- II. **A simulation-based approach for improving the largest border crossing between Europe and Turkey**  
ÜLENGİN F., Cekyay B., Isik M., ÖZAYDIN Ö., Kabak Ö., TOKTAŞ PALUT P., ÖNSEL EKİCİ Ş., Topcu Y. İ.  
TRANSPORT POLICY, vol.114, pp.350-363, 2021 (SSCI)
- III. **RESEARCH AND DEVELOPMENT PROJECT SELECTION: A COMPREHENSIVE ANALYSIS OF THE TRENDS AND METHODS**  
Turkmen G. F., Topcu Y. İ.  
SOUTH AFRICAN JOURNAL OF INDUSTRIAL ENGINEERING, vol.32, no.4, pp.28-43, 2021 (SCI-Expanded)
- IV. **A Fuzzy Cognitive Mapping Approach to the Conference Selection Problem**  
Kadaifçi Yanmaz Ç., Asan U., Topcu Y. İ.  
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, vol.19, pp.1451-1484, 2020 (SCI-Expanded)
- V. **A decision support system for proactive failure prevention: a case in a leading automotive company**  
Unver B., Kabak Ö., Topcu Y. İ., Altinisik A., Cavusoglu O.  
JOURNAL OF ENTERPRISE INFORMATION MANAGEMENT, vol.33, no.5, pp.845-880, 2020 (SSCI)
- VI. **A decision support methodology for increasing the efficiency of the largest border crossing between Europe and Turkey**  
Topcu Y. İ., Ulengin F., Kabak Ö., Ekici S. O., Unver B.  
RESEARCH IN TRANSPORTATION ECONOMICS, vol.80, 2020 (SSCI)
- VII. **A tabu search algorithm for a multi-period bank branch location problem: A case study in a Turkish bank**  
Basar A., Kabak Ö., Topcu Y. İ.  
SCIENTIA IRANICA, vol.26, no.6, pp.3728-3746, 2019 (SCI-Expanded)
- VIII. **Assessment of key airline selection indicators in a strategic decision model Passengers' perspective**  
Kucukaltan B., Topcu Y. İ.  
JOURNAL OF ENTERPRISE INFORMATION MANAGEMENT, vol.32, no.4, pp.646-667, 2019 (SSCI)
- IX. **Particle swarm optimization for uncapacitated multiple allocation hub location problem under congestion**  
Ozgun-Kibiroglu C., Serarslan M. N., Topcu Y. İ.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.119, pp.1-19, 2019 (SCI-Expanded)
- X. **The evaluation of electricity generation resources: The case of Turkey**  
Topcu I., ÜLENGİN F., Kabak Ö., Isik M., Unver B., Ekici S. O.  
ENERGY, vol.167, pp.417-427, 2019 (SCI-Expanded)
- XI. **A multiple criteria credit rating approach utilizing social media data**  
Gül S., Kabak Ö., Topcu I.  
DATA & KNOWLEDGE ENGINEERING, vol.116, pp.80-99, 2018 (SCI-Expanded)
- XII. **An OWA Operator-Based Cumulative Belief Degrees Approach for Credit Rating**  
Gül S., Kabak Ö., Topcu Y. İ.  
INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS, vol.33, pp.998-1026, 2018 (SCI-Expanded)
- XIII. **Policy developments for the reduction of climate change impacts by the transportation sector**  
ÜLENGİN F., Isik M., Ekici S. O., ÖZAYDIN Ö., Kabak Ö., Topcu Y. İ.  
TRANSPORT POLICY, vol.61, pp.36-50, 2018 (SSCI)

- XIV. **Scheduling the trucload operations in automated warehouses with alternative aisles for pallets**  
Cinar D., OLIVEIRA J. A., Topcu Y. İ., Pardalos P. M.  
APPLIED SOFT COMPUTING, vol.52, pp.566-574, 2017 (SCI-Expanded)
- XV. **A Decision Support Methodology for Locating Bank Branches: A Case Study in Turkey**  
BASAR A., Kabak Ö., Topcu Y. İ.  
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, vol.16, no.1, pp.59-86, 2017 (SCI-Expanded)
- XVI. **Traveler satisfaction in rapid rail systems: The case of Istanbul metro**  
Yanik S., Aktas E., Topcu Y. İ.  
INTERNATIONAL JOURNAL OF SUSTAINABLE TRANSPORTATION, vol.11, no.9, pp.642-658, 2017 (SSCI)
- XVII. **A PRIORITY-BASED GENETIC ALGORITHM FOR A FLEXIBLE JOB SHOP SCHEDULING PROBLEM**  
Cinar D., OLIVEIRA J. A., Topcu Y. İ., PARDALOS P. M.  
JOURNAL OF INDUSTRIAL AND MANAGEMENT OPTIMIZATION, vol.12, no.4, pp.1391-1415, 2016 (SCI-Expanded)
- XVIII. **A decision framework proposal for customer order prioritization: A case study for a structural steel company**  
Akyildiz B., KADAIFCI C., Topcu I.  
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, vol.169, pp.21-30, 2015 (SCI-Expanded)
- XIX. **A decision-making solution to ship flagging out via administrative maritime strategies**  
Çelik M., Topcu Y. İ.  
MARITIME POLICY & MANAGEMENT, vol.41, no.1, pp.112-127, 2014 (SSCI)
- XX. **ARCHITECTURAL DESIGN QUALITY ASSESSMENT BASED ON ANALYTIC HIERARCHY PROCESS: A CASE STUDY (1)**  
HARPUTLUGİL T., Gultekin A. T., Prins M., Topcu Y. İ.  
METU JOURNAL OF THE FACULTY OF ARCHITECTURE, vol.31, no.2, pp.139-161, 2014 (AHCI)
- XXI. **A Decision Model for Improving the Quality of Service at Airport Terminals Using Fuzzy Cognitive Mapping A Case from Turkey**  
KADAIFÇI ARICAN Ç., Topcu Y. İ.  
Journal of Multiple Valued Logic & Soft Computing, vol.22, no.4, pp.409-422, 2014 (SSCI)
- XXII. **An analysis of supply chain related graduate programmes in Europe**  
Onar S. C., Aktas E., Topcu Y. İ., Doran D.  
SUPPLY CHAIN MANAGEMENT-AN INTERNATIONAL JOURNAL, vol.18, no.4, pp.398-412, 2013 (SSCI)
- XXIII. **The Effects of Corporate Ethical Values and Personal Moral Philosophies on Ethical Intentions in Selling Situations: Evidence from Turkish, Thai, and American Businesspeople**  
Marta J., Singhapakdi A., LEE D., BURNAZ S., Topcu Y. İ., Atakan M. G. S., Ozkaracalar T.  
JOURNAL OF BUSINESS ETHICS, vol.106, no.2, pp.229-241, 2012 (SSCI)
- XXIV. **Applying Bayesian Belief Network approach to customer churn analysis: A case study on the telecom industry of Turkey**  
Kisioglu P., Topcu Y. İ.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.38, no.6, pp.7151-7157, 2011 (SCI-Expanded)
- XXV. **An Integrated Decision Aid for Identifying and Prioritizing Strategies in Forest Management**  
YURDAKUL EROL S., Topcu Y. İ.  
Environmental Engineering and Management Journal, vol.10, no.5, pp.683-695, 2011 (SCI-Expanded)
- XXVI. **Win-win match using a genetic algorithm**  
Altay A., KAYAKUTLU G., Topcu Y. İ.  
APPLIED MATHEMATICAL MODELLING, vol.34, no.10, pp.2749-2762, 2010 (SCI-Expanded)
- XXVII. **An integrated decision aid extension to material selection problem**  
Çiçek K., Çelik M., Topcu Y. İ.  
MATERIALS & DESIGN, vol.31, no.9, pp.4398-4402, 2010 (SCI-Expanded)
- XXVIII. **Small medium manufacturing enterprises in Turkey: An analytic network process framework for prioritizing factors affecting success**  
Karpak B., Topcu I.

- INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, vol.125, no.1, pp.60-70, 2010 (SCI-Expanded)
- XXIX. **The relative importance of usability and functionality factors for online auction and shopping web sites**  
Çalışır F., Bayraktaroğlu A. E., GUMUSSOY Ç., Topcu Y. İ., MUTLU T.  
ONLINE INFORMATION REVIEW, vol.34, no.3, pp.420-439, 2010 (SCI-Expanded)
- XXX. **Modeling Toothpaste Brand Choice An Empirical Comparison of Artificial Neural Networks and Multinomial Probit Model**  
KAYA T., AKTAŞ E., Topcu Y. İ., ÜLENGİN K. B.  
International Journal of Computational Intelligence Systems, vol.3, no.5, pp.674-687, 2010 (SCI-Expanded)
- XXXI. **An exploratory cross-cultural analysis of marketing ethics:The case of turkish, thai, and american businesspeople**  
Burnaz S., Atakan M. G. S., Topcu Y. İ., Singhapakdi A.  
Journal of Business Ethics, vol.90, no.SUPPL 3, pp.371-382, 2009 (SCI-Expanded)
- XXXII. **Use of an ANP to prioritize managerial responsibilities of maritime stakeholders in environmental incidents: An oil spill case**  
Çelik M., Topcu Y. İ.  
TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT, vol.14, no.7, pp.502-506, 2009 (SCI-Expanded)
- XXXIII. **Computer-based systematic execution model on human resources management in maritime transportation industry: The case of master selection for embarking on board merchant ships**  
Çelik M., ER I. D., Topcu Y. İ.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.36, no.2, pp.1048-1060, 2009 (SCI-Expanded)
- XXXIV. **Analytical modelling of shipping business processes based on MCDM methods**  
Çelik M., Topcu Y. İ.  
MARITIME POLICY & MANAGEMENT, vol.36, no.6, pp.469-479, 2009 (SSCI)
- XXXV. **A new perspective on the competitiveness of nations**  
Önsel Ş., Üleengin F., Ulusoy G., Aktaş E., Kabak Ö., Topcu Y. İ.  
Socio-Economic Planning Sciences, vol.42, no.4, pp.221-246, 2008 (SCI-Expanded)
- XXXVI. **ANP application for evaluating Turkish mobile communication operators**  
Tosun O. K., GUNGOR A., Topcu Y. İ.  
JOURNAL OF GLOBAL OPTIMIZATION, vol.42, no.2, pp.313-324, 2008 (SCI-Expanded)
- XXXVII. **Efficient shift scheduling in the retail sector through two-stage optimization**  
Kabak O., ULENGİN F., AKTAS E., ONSEL S., Topcu Y. İ.  
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.184, no.1, pp.76-90, 2008 (SCI-Expanded)
- XXXVIII. **An integrated transportation decision support system for transportation policy decisions: The case of Turkey**  
Uleengin F., ONSEL S., Topcu Y. İ., AKTAS E., KABAK O.  
TRANSPORTATION RESEARCH PART A-POLICY AND PRACTICE, vol.41, no.1, pp.80-97, 2007 (SCI-Expanded)
- XXXIX. **A decision model proposal for construction contractor selection in Turkey**  
Topcu Y. İ.  
BUILDING AND ENVIRONMENT, vol.39, no.4, pp.469-481, 2004 (SCI-Expanded)
- XL. **Energy for the future: An integrated decision aid for the case of Turkey**  
Topcu Y. İ., ULENGİN F.  
ENERGY, vol.29, no.1, pp.137-154, 2004 (SCI-Expanded)
- XLI. **An integrated decision aid system for Bosphorus water-crossing problem**  
Uleengin F., Topcu Y. İ., SAHİN S.  
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.134, no.1, pp.179-192, 2001 (SCI-Expanded)
- XLII. **Cognitive Map KBDSS integration in transportation planning**  
ÜLENGİN F., Topcu Y. İ.  
JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY, vol.48, no.11, pp.1065-1075, 1997 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Coordinating the ISM Code and OHSAS procedures to improve the occupational health and safety at sea**  
Gul S., Kabak Ö., Topcu Y. İ.  
JOURNAL OF MULTI-CRITERIA DECISION ANALYSIS, vol.27, pp.286-303, 2020 (ESCI)
- II. **Kritik gemi operasyonlarına yönelik risk kontrol esaslı bir karar verme yaklaşımı**  
ÇİÇEK K., TOPCU Y. İ.  
Journal of ETA Maritime Science, vol.6, no.2, pp.159-177, 2018 (Peer-Reviewed Journal)
- III. **An AHP based prioritization model for risk evaluation factors in the automotive industry**  
Unver B., Isik M., Kabak Ö., Topcu Y. İ.  
International Journal of the Analytic Hierarchy Process, vol.10, no.1, pp.83-97, 2018 (Scopus)
- IV. **A Decision Model for Determining Public Locations Suitable for Automated External Defibrillator (AED) Deployment: A Case Study in City of Valencia**  
Ekmekci E., Aragon Beltran P., Rodriguez de Sanabria Gil R., TOPCU Y. İ.  
International Journal of the Analytic Hierarchy Process, vol.9, no.2, pp.151-166, 2017 (Peer-Reviewed Journal)
- V. **A multi attribute decision support model for the selection of touristic activities**  
GÜL S., TOPCU Y. İ.  
International Journal of the Analytic Hierarchy Process, vol.7, no.3, pp.560-588, 2015 (Scopus)
- VI. **Banka Şubeleri için Uygun Yer Seçiminin Belirlenmesine Yönelik Tabu Arama Yaklaşımı Bir Türk Bankası Uygulaması**  
BAŞAR A., KABAK Ö., TOPCU Y. İ.  
Endüstri Mühendisliği Dergisi, vol.26, no.3, pp.2-22, 2015 (Peer-Reviewed Journal)
- VII. **Prioritization of Customer Order Selection Factors by utilizing Conjoint Analysis: A Case Study for a Structural Steel Firm**  
Nalbantoğlu B., Kadaifçi Ç., Topcu Y. İ., Ülengin K. B.  
International Journal of Social, Human Science and Engineering, vol.8, no.2, pp.146-150, 2014 (Peer-Reviewed Journal)
- VIII. **Gemi işletmeciliğinde yönetimsel süreçlerin risk temelli analitik modellenmesi**  
ÇELİK M., BİLGİLİ A., TOPCU Y. İ.  
, İTÜ Dergisi - Seri D: Mühendislik, pp.43-54, 2011 (Peer-Reviewed Journal)
- IX. **Have Ethical Perceptions Changed A Comparative Study on the Ethical Perceptions of Turkish Faculty Members**  
BURNAZ H. Ş., M G Serap A., TOPCU Y. İ.  
Journal of Academic Ethics, vol.8, pp.137-151, 2010 (Scopus)
- X. **Assessment of ISPS Code Compliance at Ports Using Cognitive Maps**  
Çelik M., Topcu Y. İ.  
TransNav International Journal on Marine Navigation and Safety of Sea Transportation, vol.4, no.3, pp.359-362, 2010 (Peer-Reviewed Journal)
- XI. **A Multiple Criteria Decision Making Approach for the Evaluation of Retail Location**  
BURNAZ H. Ş., TOPCU Y. İ.  
Journal of Multi-Criteria Decision Analysis (JMCA), vol.14, pp.67-76, 2006 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **New Perspectives in Operations Research and Management Science - Essays in Honor of Fusun Ülengin**  
Topcu Y. İ. (Editor), Önsel Ekici Ş. (Editor), Kabak Ö. (Editor), Aktaş E. (Editor), Özyayın Ö. (Editor)  
Springer Nature, Zug, 2022
- II. **The efficiency of nations in the struggle against the COVID-19 pandemic**

AKTAŞ E., ÜLENGİN F., TOPCU Y. İ., GÜNDEŞ E. H.

in: Handbook of Research on Healthcare Standards, Policies, and Reform, Comite, Ubaldo, Editor, IGI Global, pp.282-319, 2022

- III. **A Multi-Attribute Decision Making Model for Hospital Location Selection**  
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**I. AN INTEGRATED MCDM APPLICATION FOR RANKING OF SMART CITIES**

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The 17th International Symposium on the Analytic Hierarchy Process, Pittsburgh, United States Of America, 15 - 18 December 2022

**II. EXAMINING FACTORS AFFECTING THE EMIGRATION DECISION OF MEDICAL DOCTORS IN TURKEY USING AHP**

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**III. AN INTEGRATED MCDM MODEL FOR CLIMATE-SMART AGRICULTURE**

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- CXXX. **SUCH-WWW: A Web Based Dynamic Interactive Simulator for Introducing Basic Concepts of Supply Chain Management**  
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## Supported Projects

Topcu Y. İ., Project Supported by Higher Education Institutions, Birikimli kanı dereceleri ile sosyal medya verilerini dikkate alan kredi değerlendirme sistemi, 2016 - 2018

Topcu Y. İ., Project Supported by Higher Education Institutions, TURİSTİK ETKİNLİK SEÇİMİ İÇİN BİR ÇOK ÖLÇÜTLÜ KARAR DESTEK MODELİ, 2015 - 2018

Topcu Y. İ., Project Supported by Higher Education Institutions, Müşteri Siparişi Seçimi Sorununa Analitik Ağ Süreci Uygulaması: Bir Yapı Çeliği Şirketi Vakası, 2014 - 2018

Topcu Y. İ., Project Supported by Higher Education Institutions, Spor Sponsorluğunun Etkinliğini Ölçmek için Bir Çok Kriterli Karar Analizi Yaklaşımı, 2013 - 2018

Topcu Y. İ., Project Supported by Higher Education Institutions, Satış Araçlarının Seçimi için Yapay sinir Ağı Kullanımı, 2012 - 2018

Topcu Y. İ., Project Supported by Higher Education Institutions, Karbondioksit Emisyonunu Azaltma Stratejilerinin Değerlendirilmesine Yönelik Bir Analitik Ağ Süreci Tabanlı Hedef Programlama Modeli, 2011 - 2018

Topcu Y. İ., Project Supported by Higher Education Institutions, CEP TELEFONU SATIN ALMAYA YÖNELİK BİR ÇOK KRİTERLİ KARAR ANALİZİ, 2010 - 2018

Topcu Y. İ., Project Supported by Higher Education Institutions, türk ekonomik sistemi hakkında bir bulanık bilişsel harita çalışması, 2009 - 2018

Topcu Y. İ., Project Supported by Higher Education Institutions, Sayısallaştırılmış SWOT Analitik Yöntemi ile Muharebe Sahasında Strateji Geliştirme ve Değerlendirme, 2007 - 2018

Topcu Y. İ., Project Supported by Higher Education Institutions, Perakendeci Seçimi Sorunu için Bir Karar Destek Modeli Önerisi, 2004 - 2018

Topcu Y. İ., TUBITAK Project, Kapalı ve geniş alanlarda iBeacon cihazları ile lokasyonların önündeki kuyruk durumunun analiz edilmesi ve karar destek sistemlerinin geliştirilmesi, 2016 - 2016

Topcu Y. İ., Project Supported by Higher Education Institutions, Sağlık Hizmetleri Yönetimi Sorunlarına Çok kriterli Karar Verme Yaklaşımı ile Çözüm Önerisi Geliştirilmesi, 2011 - 2012

## Activities in Scientific Journals

International Journal of AHP , Special Issue Editor, 2019 - Continues

JOURNAL OF ENTERPRISE INFORMATION MANAGEMENT, Special Issue Editor, 2019 - Continues

International Journal of AHP , Publication Committee Member, 2013 - Continues

## Tasks In Event Organizations

Topcu Y. İ., Kabak Ö., Özaydın Ö., Kadaifçi Yanmaz Ç., The 25th International Conference on Multiple Criteria Decision Making , Scientific Congress, İstanbul, Turkey, Haziran 2019

## Metrics

Publication: 219

Citation (WoS): 694

Citation (Scopus): 922

H-Index (WoS): 14

H-Index (Scopus): 17

## Non Academic Experience

Professional Association, International Society on Multiple Criteria Decision Making

The Joseph M. Katz Graduate School of Business at the University of Pittsburgh

Leeds University Business School