

## Assoc. Prof. İLKER AKGÜN

### Personal Information

Web: <https://avesis.marmara.edu.tr/iakgun>

#### International Researcher IDs

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Publons / Web Of Science ResearcherID: D-4334-2018

ScopusID: 14015089200

Yoksis Researcher ID: 239936

### Education Information

Doctorate, Istanbul Technical University, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, Turkey 2004 - 2012

Postgraduate, Istanbul Technical University, Bilgisayar Ve Bilişim Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2000 - 2004

Postgraduate, Middle East Technical University, Graduate School Of Informatics, Modeling And Simulation, Turkey 2000 - 2002

Undergraduate, Naval Academy Command, Naval Academy (Dean's Office), Turkey 1993 - 1997

### Certificates, Courses and Trainings

Project Management, Başlangıç Seviyesi Proje Döngüsü Yönetimi(PCM), İSTKA, 2017

Entrepreneurship, KOSGEB Uygulamalı Girişimcilik, KOSGEB, 2016

R&D Management, 1601 TÜBİTAK Mentor Eğitimi, House of Human, 2015

### Dissertations

Doctorate, Security risk assessment for critical facility protection, İstanbul Teknik Üniversitesi, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, 2012

Postgraduate, Virtual topology reconfiguration on optical WDM networks considering traffic grooming, İstanbul Teknik Üniversitesi, Bilgisayar Ve Bilişim Fakültesi, Bilgisayar Mühendisliği Bölümü, 2004

### Research Areas

Social Sciences and Humanities, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Marmara University, Faculty Of Business Administration, Business Administration, 2022 - Continues

Assistant Professor, Marmara University, Faculty Of Business Administration, Business Administration, 2015 - 2022

Assistant Professor, Naval Academy Command, Naval Academy (Dean's Office), 2012 - 2015

## Academic and Administrative Experience

Rectorate Commissioner, Marmara University, Faculty of Business Administration, Business Administration, 2020 - Continues

Birim Kalite Komisyonu Başkanı, Marmara University, Faculty of Business Administration, Business Administration, 2016 - 2023

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Marmara University, Faculty of Business Administration, Business Administration, 2018 - 2018

## Courses

Statistical Data Analysis, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

Operations Management 1, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Operations Management 2, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Production Management, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Production and Operations Management, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Data Analysis, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

## Jury Memberships

Doctorate, Doctorate, İstanbul Teknik Üniversitesi, July, 2019

Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, July, 2019

Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, July, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Teknik Üniversitesi, June, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Teknik Üniversitesi, May, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, May, 2019

## Taught Courses And Trainings

Akgün İ., Türk Telekom Liderlik Programı , 2020 - 2020

Akgün İ., Endüstri 4 kapsamında Belediyecilikte Yenilikler ve Fırsatlar, 2017 - 2017

## Education Infrastructure Information

Akgün İ., Microsoft Business Applications Academic Community Koordinatörü, December 2015

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

### I. A Multi-Methodological Design Framework for Roadway Illumination

Akgün İ., Ustaoglu E.

LIGHT AND ENGINEERING, vol.30, no.1, pp.39-50, 2022 (SCI-Expanded)

### II. Prediction of human error probabilities in a critical marine engineering operation on-board chemical tanker ship: The case of ship bunkering

Akyüz E., Çelik M., AKGÜN İ., Çiçek K.

- SAFETY SCIENCE, vol.110, pp.102-109, 2018 (SCI-Expanded)
- III. **Drivers of successful luxury fashion brand extensions: cases of complement and transfer extensions**  
Eren-Erdogmus I., AKGÜN İ., Arda E.  
JOURNAL OF FASHION MARKETING AND MANAGEMENT, vol.22, no.4, pp.476-493, 2018 (SSCI)
- IV. **A fuzzy failure mode and effects approach to analyse concentrated inspection campaigns on board ships**  
Akyuz E., AKGÜN İ., Çelik M.  
MARITIME POLICY & MANAGEMENT, vol.43, no.7, pp.887-908, 2016 (SSCI)
- V. **Fuzzy integrated vulnerability assessment model for critical facilities in combating the terrorism**  
Akgun I., Kandakoglu A., Ozok A. F.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.37, no.5, pp.3561-3573, 2010 (SCI-Expanded)
- VI. **Towards space traffic management system**  
Cukurtepe H., Akgun I.  
ACTA ASTRONAUTICA, vol.65, pp.870-878, 2009 (SCI-Expanded)
- VII. **A multi methodological approach for shipping registry selection in maritime transportation industry**  
Ahmet K., Celik M., AKGÜN İ.  
Mathematical And Computer Modelling, vol.49, pp.586-597, 2009 (SCI-Expanded)
- VIII. **Virtual topology reconfiguration on optical WDM networks considering traffic grooming**  
AKGÜN İ., BUZLUCA F.  
Optical Switching And Networking, vol.3, pp.11-23, 2006 (SCI-Expanded)

## Articles Published in Other Journals

- I. **3 boyutlu tarayıcı kullanarak yetişkin erkek ayak biçimi analizi**  
Lelebici Başar D., Akgün İ.  
Antropoloji, no.43, pp.10-21, 2022 (Peer-Reviewed Journal)
- II. **Outsourcing Satisfaction Problems: A Qualitative Comparative Analysis**  
Dülger Taşkın A. M., Akgün İ.  
Karadeniz Teknik Üniversitesi Sosyal Bilimler Enstitüsü Sosyal Bilimler Dergisi, vol.10, no.19, pp.119-137, 2020 (Peer-Reviewed Journal)
- III. **Quality Management Approaches and Their Comparison in Higher Education: Marmara University Faculty of Business Administration Quality Studies**  
CÖMERT N., AKGÜN İ., KARAKÖY D., KAYA P.  
The Online Journal of Quality in Higher Education, vol.6, no.3, pp.101-111, 2019 (Peer-Reviewed Journal)
- IV. **Askeri Modelleme ve Simülasyon Uygulamaları**  
AKGÜN İ., Kandakoğlu A.  
Harp Akademileri Komutanlığı Dergisi, pp.74-80, 2007 (Peer-Reviewed Journal)
- V. **Birlikte Çalışabilirlik için Muharebe Yönetim Dili**  
Ahmet K., AKGÜN İ.  
Havacılık ve Uzay Teknolojileri Dergisi, vol.3, pp.49-58, 2007 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **İstanbul'da İstihdam Eğilimlerinin Belirlenmesi**  
Akgün İ., Akgün A. A., Demireş Özkul B., Turgut S.  
Marmara Üniversitesi Yayınevi, İstanbul, 2017
- II. **Energy Management Performance in Country Scale: A Data Envelopment Analysis**  
Sulukan E., Karataş M., Akgün İ.  
in: Towards 100% Renewable Energy, Tanay Sıdkı Uyar, Editor, Springer, London/Berlin , Boras, pp.187-194, 2017

- III. **Emergency Evacuation Capacity of an Escalator A Simulation Based Approach**  
Soyöz H., AKGÜN İ.  
LAP LAMBERT Academic Publishing, 2016
- IV. **Likelihood Estimation of Intentional Events in Risk Management: Evidence Based Intelligent Morphological Analysis Approach**  
Akgün İ.  
in: Intelligent Techniques in Engineering Management, Cengiz Kahraman, Sezi Çevik Onar , Editor, Springer-Verlag , Aarau, pp.45-75, 2015
- V. **Harp Oyunu Değerlendirme ve Alınan Dersler Hücresi Çalışma Esasları**  
Kandakoğlu A., Akgün İ.  
MSB Basımevi, İstanbul, 2008
- VI. **Müşterek Harekat Alanı Simülasyonu (Joint Theater Level Simulation) Kullanıcı Kılavuzu**  
Ertuğrul E., Akgün İ., Kandakoğlu A.  
MSB Basımevi, İstanbul, 2007

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

- I. **YÜKSEKÖĞRETİMDE KALİTE YÖNETİM YAKLAŞIMLARI VE KARŞILAŞTIRMASI: MARMARA ÜNİVERSİTESİ İŞLETME FAKÜLTESİ KALİTE ÇALIŞMALARI**  
KARAKÖY D., KAYA P., AKGÜN İ., CÖMERT N.  
ICQH 2018 International Conference on Quality in Higher Education, İstanbul, Turkey, 5 - 07 December 2018, pp.408-418
- II. **Participation of Newly Graduated Turkish Women in STEM Employment: A Statistical Application on Household Labour Force Survey**  
Zeybek Ö., AKGÜN A. A., AKGÜN İ., DEMİREŞ ÖZKUL B.  
19th International Symposium on Econometrics, Operations Research and Statistics 2018, 17 - 20 October 2018
- III. **Relationship Between Supervisor-Subordinate Cognitive Style Congruence and Leader-Member Exchange: An Application of fsQCA Analysis**  
ERTÜRK A., AKGÜN İ., DEMİREL O.  
International Conference on Education, Psychology, and Organizational Behavior, Japan, 8 - 10 August 2017
- IV. **Türk Denizcilik Sektöründe Deniz Bulut Sistemine Geçiş Sürecinin Değerlendirilmesi: GZFT Analizi**  
Cebecioğlu E., AKGÜN İ., EKİZLER H.  
37. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi, İstanbul, Turkey, 5 - 07 July 2017
- V. **Çok Kriterli Karar Verme Yöntemi ile Verimli Yol Aydınlatması Seçimi**  
Üstün B., AKGÜN İ.  
35. Ulusal Yöneylem Araştırması ve Endüstri Mühendisliği Kongresi (YAEM 2015), Turkey, 9 - 11 September 2015
- VI. **Energy Saving Potential of Efficient Roadway Lighting**  
Barbaros S Ü., AKGÜN İ.  
5. International Renewable Energy Conference (IRENEC 2015), 28 - 30 May 2015
- VII. **Searching for Man Overboard with Partial Drift Information**  
Mümtaz K., AKGÜN İ.  
The International Workshop on Applied Modeling and Simulation (WAMS 2014), 16 - 18 September 2014
- VIII. **Operations Research Techniques in Renewable Energy Field Studies Problems Decision Levels and Solution Approaches**  
AKGÜN İ., Mümtaz K., Egemen S.  
4. International Renewable Energy Conference (IRENEC 2014), 26 - 28 June 2014
- IX. **Energy Management Performance in Country Scale A Data Envelopment Analysis**  
Egemen S., Mümtaz K., AKGÜN İ.  
4. International Renewable Energy Conference (IRENEC 2014), 26 - 28 June 2014
- X. **Evaluating Search Tactics For Autonomous Surface Vehicles In Search And Rescue Operations A Man**

## Overboard Rescue

AKGÜN İ., Karataş M.

34. Ulusal Yöneylem Araştırması ve Endüstri Mühendisliği Kongresi (YAEM 2014), Turkey, 25 - 27 June 2014

- XI. **Journals in Regional Science Their Self Sufficiency for the Field in the Last Decade**  
AKGÜN A. A., AKGÜN İ., Nijkamp P.  
53rd European Regional Science Association (ERSA) Congress, 8 - 11 July 2013
- XII. **Quality of Life Performance of Rural Areas Case of Bursa**  
AKGÜN A. A., AKGÜN İ., TÜRKOĞLU H.  
11th International Conference on Data Envelopment Analysis (DEA 2013), Samsun, Turkey, 27 - 30 June 2013
- XIII. **K Means Kümeleme Algoritması Kullanılarak Benzetimle Eniyileme için Metamodel Oluşturma Yaklaşımı**  
İrfanoğlu E., AKGÜN İ., Murat G.  
Ulusal Savunma Uygulamaları Modelleme Simülasyon Konferansı 2013, Turkey, 11 - 13 June 2013
- XIV. **Metamodeling by using Multiple Regression Integrated K Means Clustering Algorithm**  
Emre İ., AKGÜN İ., Murat G.  
Spring Simulation Multiconference, San Diego, United States Of America, 7 - 10 April 2013
- XV. **Bir Sayısal GZFT Analizi Uygulaması Kırsal Alan Planlaması**  
AKGÜN A. A., AKGÜN İ.  
1. Ulusal Planlamada Sayısal Modeller Sempozyumu (PSM), Turkey, 24 - 26 November 2010
- XVI. **A Fuzzy ANP Approach for Critical Facility Vulnerability Assessment**  
AKGÜN İ., Ahmet K., ÖZOK A. F.  
2nd International Conference on Risk Analysis and Crisis Respond (RACR), China, 9 - 11 February 2009
- XVII. **Bilgisayar Destekli tatibikatların değerlendirilmesi ve alınan dersler yaklaşımı**  
AKGÜN İ., Kandakoğlu A., ÖZOK A. F.  
4. Savunma Teknolojileri Kongresi, Turkey, 26 - 27 June 2008
- XVIII. **Space traffic management system: Challenges and prospects**  
Akgun I., Cukurtepe H., Ince F.  
3rd International Conference on Recent Advances in Space Technologies, İstanbul, Turkey, 14 - 16 June 2007, pp.97-98
- XIX. **C4I ile M S Sistemlerinin Birlikte Çalışabilirliğine Muharebe Yönetim Dili Yaklaşımı**  
Kandakoğlu A., AKGÜN İ., Ertuğrul E.  
2. Ulusal Modelleme ve Simülasyon Konferansı (USMOS), Turkey, 18 - 20 April 2007
- XX. **Strategy development evaluation in the battlefield using quantified SWOT analytical method**  
Ahmet K., AKGÜN İ., TOPCU Y. İ.  
9th International Symposium on Analytic Hierarchy Process (ISAHP), 12 - 14 February 2007
- XXI. **Bilgi Sistemlerinin Birlikte Çalışılabilirliği Muharebe Yönetim Dili**  
Kandakoğlu A., AKGÜN İ.  
1. Ulusal Yazılım Mimarileri Konferansı, Turkey, 20 - 22 November 2006
- XXII. **A Graphical Interface and a Data Filtering Scheme For Joint Theatre Level Simulation**  
ÇAYIRCI E., GÖKMEN M., OKTUĞ S. F., Cebiroğlu G., Çöplü T., Okçu E., AKGÜN İ.  
NATO RTO Modelling and Simulation Group (MSG-22) Conference, 16 - 19 June 2003

## Supported Projects

Akgün İ., TUBİTAK Project, Yeni Nesil Liman Yönetim Sistemi ve Akıllı Liman Operasyon Karar Destek Sistem Uygulamaları (TUBİTAK TEYDEB 1501), 2022 - 2023

Akgün İ., Company, Stok Alanı(ASRS) Kapasite Planlaması ve Simülasyonu (Assan Alüminyum Sanayi ve Ticaret A.Ş.), 2022 - 2022

Akgün İ., H2020 Project, Intelligent IoT-based Port Artefacts Communication, Administration & Maintenance, 2021 - 2022  
Ergen Keleş F. H., Akgün İ., Er Kara M., Kalender Z. T., Vayvay Ö., Project Supported by Other Private Institutions, Yaş

Meyve Sebze Üretiminde Hasat Anına En Yakın Zamanda Paketlemeyi Hedefleyen Yeni Bir Süreç Tasarımı: Şeftali Örneği (MİGROS), 2020 - 2020

Çelik M., Akgün İ., Company, Gemi Personeli İleri Yeterlilikleri İzleme ve Değerlendirme Sisteminin Ağ Tabanlı Tasarımı (Ditaş Deniz İşletmeciliği ve Tankerciliği A.Ş.), 2020 - 2020

Dimech M., Akgün İ., EU Supported Other Project, Balıkçılık Faaliyetlerinde Stok Değerlendirme Uygulamaları (iFish Project), 2019 - 2020

Başar D. L., Akgün İ., Company, Türk Ayak Karakteristikleri ve Ayakkabı Kalıp Standartları Geliştirme İşbirliği Projesi (LC Waikiki), 2019 - 2019

Akgün İ., Baydemir T., TUBİTAK Project, Kullanıcı Kısıt Girişlerine İzin Veren İşgücü Planlama Optimizasyon Sistemi (TÜBİTAK TEYDEB 1501), 2017 - 2019

Akgün İ., Erkut G., Akgün A. A., Demireş Özkul B., Ekizler H., Development Agency, İstanbul'da İstihdam Eğilimlerinin Belirlenmesi (İSTKA), 2017 - 2017

Akgün İ., Çelik M., Çiçek K., Çebi S., TUBİTAK Project, Gemi Operasyonlarında İnsan Güvenilirliği Analiz ve Takip Sistemi Önerisi (i-gats)(TÜBİTAK 1001), 2014 - 2017

## **Memberships / Tasks in Scientific Organizations**

Yöneylem Artaştırma Derneği, Member, 2014 - Continues

## **Scientific Refereeing**

TUBİTAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, January 2020

Development Agency, İSTKA, Turkey, June 2018

International journal of advances in engineering and pure sciences (Online), National Scientific Refreed Journal, March 2018

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE, National Scientific Refreed Journal, March 2017

FUEL, SCI Journal, June 2015

KNOWLEDGE-BASED SYSTEMS, SCI Journal, January 2015

KNOWLEDGE-BASED SYSTEMS, SCI Journal, November 2014

KNOWLEDGE-BASED SYSTEMS, SCI Journal, April 2013

COMPUTERS & OPERATIONS RESEARCH, SCI Journal, April 2013

## **Metrics**

Publication: 41

Citation (WoS): 202

Citation (Scopus): 271

H-Index (WoS): 5

H-Index (Scopus): 6

## **Invited Talks**

Uzay Trafiği Yönetimi, Seminar, İstanbul Barosu, Turkey, December 2020

## **Awards**

Akgün İ., Best Paper Award, Society For Modeling And Simulation (Scs) , April 2013

## **Non Academic Experience**

Bilimsel Karar Destek Merkezi

Atatürk Harp Oyunu ve Simülasyon Merkezi

Deniz Kuvvetleri, Kuzey Deniz Saha Komutanlığı

Deniz Kuvvetleri, Donanma Komutanlığı