

# MEVLÜDE EBRU ANGÜN

## ASSOC. PROF.

Email : eangun@gsu.edu.tr

Address : Ciragan Cad. Ortakoy

International Researcher IDs

ScholarID: 6MiwwtsAAAAJ

ORCID: 0000-0002-8199-9746

Publons / Web Of Science ResearcherID: GBA-4687-2022

ScopusID: 7801392013

Yoksis Researcher ID: 111667



### Learning Knowledge

Doctorate  
2000 - 2004

Katholieke Universiteit Brabant, Yoneylem Arastirmasi, Netherlands

Postgraduate  
1995 - 1998

Bogazici University, Faculty Of Engineering, Department Of Industrial Engineering,  
Turkey

Undergraduate  
1991 - 1995

Istanbul Technical University, İşletme Fakültesi, Endüstri Mühendisliği Bölümü,  
Turkey

### Foreign Languages

English, C1 Advanced

### Academic Titles / Tasks

Associate Professor  
2012 - Continues

Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Endüstri Mühendisliği  
Bölümü

Assistant Professor  
2004 - 2012

Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Endüstri Mühendisliği  
Bölümü

Research Assistant  
1995 - 2004

Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Endüstri Mühendisliği  
Bölümü

### Supported Projects

1. ANGÜN M. E., Project Supported by Higher Education Institutions, KÜMELEME PROBLEMLERİNDE OPTİMİZASYON UYGULAMALARI, 2018 - 2020
2. ANGÜN M. E., Project Supported by Higher Education Institutions, RASTLANTISAL OPTİMİZASYON MODEL VE ÇÖZÜM YÖNTEMLERİNİN İŞLEMLER YÖNETİMİ PROBLEMLERİNE UYGULAMASI, 2016 - 2019

3. ANGÜN M. E., Project Supported by Higher Education Institutions, PERAKENDE SEKTÖRÜNDE RAF YERLEŞTİRME VE REYON ÇEŞİTLERİNİ BELİRLEME PROBLEMLERİNİN ANALİZİ, 2015 - 2016
4. ANGÜN M. E., Project Supported by Higher Education Institutions, AFET YÖNETİMİ PROBLEMLERİNİN STOKASTİK DİNAMİK PROGRAMLAMA YÖNTEMİYLE ÇÖZÜMÜ VE İSTANBUL'DA OLASI BİR DEPREME UYGULAMASI, 2013 - 2016
5. ANGÜN M. E., Project Supported by Higher Education Institutions, STOKASTİK PROGRAMLAMA PROBLEMLERİNİN ÇÖZÜM YÖNTEMLERİ VE AFET YÖNETİMİ PROBLEMLERİNE UYGULAMALARI, 2010 - 2013
6. ANGÜN M. E., Project Supported by Higher Education Institutions, BENZETİM MODELLERİNİN ENİYİLENMESİNDE KULLANILAN YÖNTEMLERİN TEORİK ANALİZİ VE PRATİKTEKİ UYGULAMALARI, 2007 - 2010

## Scholarships

Risk-averse approach to optimization under uncertainty, TUBITAK, 2008 - 2009

## Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Başkent Üniversitesi, June, 2018

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

1. **Constrained optimization in simulation: efficient global optimization and Karush-Kuhn-Tucker conditions**  
Kleijnen J. P. C., Angün M. E., Van Nieuwenhuysse I., Van Beers W. C. M.  
Journal of Global Optimization, 2024 (SCI-Expanded)
2. **Multi-category assortment planning problem and an application in Turkey**  
Angun E.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, no.1, pp.381-392, 2019 (SCI-Expanded)
3. **Stochastic dual dynamic programming solution of a short-term disaster management problem**  
Angün E.  
Operations Research/ Computer Science Interfaces Series, vol.59, pp.225-250, 2015 (SCI-Expanded)
4. **An Asymptotic Test of Optimality Conditions in Multiresponse Simulation Optimization**  
Angun E., Kleijnen J.  
INFORMS JOURNAL ON COMPUTING, vol.24, no.1, pp.53-65, 2012 (SCI-Expanded)
5. **A risk-averse approach to simulation optimization with multiple responses**  
Angun E.  
SIMULATION MODELLING PRACTICE AND THEORY, vol.19, no.3, pp.911-923, 2011 (SCI-Expanded)
6. **Response surface methodology with stochastic constraints for expensive simulation**  
Angun E., Kleijnen J., Den Hertog D., Gurkan G.  
JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY, vol.60, no.6, pp.735-746, 2009 (SCI-Expanded)
7. **Response surface methodology's steepest ascent and step size revisited: Correction**  
Kleijnen J., den Hertog D., Angun E.  
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.170, no.2, pp.664-666, 2006 (SCI-Expanded)
8. **Response surface methodology's steepest ascent and step size revisited**  
Kleijnen J., den Hertog D., Angun E.  
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.159, no.1, pp.121-131, 2004 (SCI-Expanded)
9. **A general software testing model involving operational profiles**  
Ozekici S., Altinel I., Angun E.

## Books & Book Chapters

1. **Stochastic Dual Dynamic Programming Solution of a Short-Term Disaster Management Problem**  
ANGÜN M. E.  
in: Uncertainty Management in Simulation Optimization of Complex Systems Algorithms and Applications, Gabriella Dellino, Carlo Meloni, Editor, Springer US, pp.225-250, 2015

## Refereed Congress / Symposium Publications in Proceedings

1. **Intelligent systems for disaster management: Unmanned aerial vehicles' surveillance problem with energy consumption constraints**  
Angün E., Dündar U.  
International Conference on Intelligent and Fuzzy Systems, INFUS 2019, İstanbul, Turkey, 23 - 25 July 2019, vol.1029, pp.1269-1278
2. **A New Mixed-Integer Linear Programming Formulation for Multiple Responses Regression Clustering**  
Angun E., Altmoy A.  
6th International Conference on Control, Decision and Information Technologies (CoDIT), Paris, France, 23 - 26 April 2019, pp.1634-1639
3. **An MILP Model for the Internal Audit Scheduling Problem**  
Yildirim V., Angün M. E., Öncan T.  
IEEE International Conference on Industrial Engineering and Engineering Management (IEEE IEEM), Bangkok, Thailand, 16 - 19 December 2018, pp.442-446
4. **A joint assortment planning and shelf space allocation optimization for a supermarket chain in Turkey**  
Angun E., Ozkan C. E.  
23rd International Conference for Production Research, ICPR 2015, Manila, Philippines, 2 - 06 August 2015
5. **Disaster preparedness and response planning for an earthquake in Istanbul**  
Angun E.  
22nd International Conference on Production Research, ICPR 2013, Paranagua, Brazil, 28 July - 01 August 2013
6. **Risk-adjusted Joint Optimization of Base-stock Levels and Component Allocation in an ATO System with Returns**  
Angun E., Bilici E.  
International MultiConference of Engineers and Computer Scientists (IMECS 2012), Hong Kong, PEOPLES R CHINA, 14 - 16 March 2012, pp.1538-1542
7. **Taguchian approach to response surface methodology**  
Angün E., Eyigün S.  
13th World Multi-Conference on Systemics, Cybernetics and Informatics, WMSCI 2009, Jointly with the 15th International Conference on Information Systems Analysis and Synthesis, ISAS 2009, Orlando, FL, United States Of America, 10 - 13 July 2009, vol.2, pp.123-126
8. **Response surface methodology revisited**  
Angün E., Kleijnen J. P., Den Hertog D., Gürkan G.  
Proceedings of the 2002 Winter Simulation Conference, San Diego, CA, United States Of America, 8 - 11 December 2002, vol.1, pp.377-383

## Episodes in the Encyclopedia

### 1. The SAGE Encyclopedia of Educational Technology

ANGÜN M. E.

Sage, pp.644-646, 2015

## Advising Theses

ANGÜN M. E., Unmanned Aerial Vehicle Routing Optimization in Disaster Management, Postgraduate, U.DÜNDAR(Student), 2018

ANGÜN M. E., Regression Based Clustering, Postgraduate, A.ALTINOY(Student), 2018

ANGÜN M. E., A joint assortment planning and shelf space allocation optimization for a supermarket chain in Turkey, Postgraduate, C.ERDEM(Student), 2015

## Scientific Refereeing

EU Supported Other Project, Institut de Physique du Globe (IPG) de Paris, France, July 2024

SIMULATION, SCI Journal, May 2023

ENGINEERING WITH COMPUTERS, SCI Journal, May 2023

SIMULATION, SCI Journal, May 2023

Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online), National Scientific Refreed Journal, March 2023

COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, Journal Indexed in SCI-E, October 2022

JOURNAL OF GLOBAL OPTIMIZATION, Journal Indexed in SSCI, December 2021

TRANSPORTATION RESEARCH PART E-LOGISTICS AND TRANSPORTATION REVIEW, Journal Indexed in SSCI, December 2021

SIMULATION-TRANSACTIONS OF THE SOCIETY FOR MODELING AND SIMULATION INTERNATIONAL, SCI Journal, January 2021

ANNALS OF OPERATIONS RESEARCH, SCI Journal, September 2020

TRANSPORTATION RESEARCH PART E-LOGISTICS AND TRANSPORTATION REVIEW, SCI Journal, April 2020

Project Supported by Public Organizations in Other Countries, European Science Foundation - FWO, Belgium, April 2020

SIMULATION-TRANSACTIONS OF THE SOCIETY FOR MODELING AND SIMULATION INTERNATIONAL, SCI Journal, March 2020

Project Supported by Public Organizations in Other Countries, European Science Foundation - FWO, Belgium, June 2019

Project Supported by Public Organizations in Other Countries, European Science Foundation FWO, Belgium, June 2019

Project Supported by Public Organizations in Other Countries, European Science Foundation - FWO, Belgium, June 2019

SIMULATION-TRANSACTIONS OF THE SOCIETY FOR MODELING AND SIMULATION INTERNATIONAL, SCI Journal, November 2018

EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, SCI Journal, October 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Galatasaray University, Turkey, May 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Galatasaray University, Turkey, May 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Galatasaray University, Turkey, May 2018

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, SCI Journal, April 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Galatasaray University, Turkey, May 2017

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Galatasaray University,

Turkey, May 2017

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Galatasaray University, Turkey, May 2017

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Galatasaray University, Turkey, May 2017

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, SCI Journal, February 2017

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Galatasaray University, Turkey, May 2016

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Galatasaray University, Turkey, May 2016

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Galatasaray University, Turkey, May 2016

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Galatasaray University, Turkey, May 2016

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Galatasaray University, Turkey, May 2016

## Metrics

Publication: 19

Citation (WoS): 72

Citation (Scopus): 90

H-Index (WoS): 4

H-Index (Scopus): 5

## Research Areas

Simulation Optimization

## Non Academic Experience

Galatasaray Üniversitesi

Georgia Institute of Technology

Tilburg Üniversitesi

Technical University Eindhoven