

# Dr.Ezgi DEMİR

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**Place of Birth:** Istanbul

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**GitHub Account:** researcher1353

**Specialities:** Model structuring by using Mathematics and Engineering. Solving Mathematical Models by the using analytical, numerical, statistical techniques and data science. And minimizing expenditures and maximizing profit for the optimization.

## EDUCATION

**01.04.2021- (Post-Doctorate-Lancaster University)** - Department of Artificial Intelligence- 'Machine Learning Applications', and 'Decision Support Systems'

**2016- 02.02.2021 (PhD) Marmara University** – Operations Research Chair –Department of Industrial Engineering (Thesis Name: “THE PLACE OF DATA MINING IN PRODUCTION PLANNING AND CONTROL PROCESSES and SOLUTION SUGGESTIONS WITH MULTI-CRITERIA DECISION-MAKING APPROACHES: A BUSINESS APPLICATION”)

**Areas of Research:** Multi-criteria Decision Making, Data Mining, Machine Learning, Artificial Intelligence, Fuzzy Systems, Business Applications, Python Programming

**2019 – 2019 (Erasmus + Staff Exchange Programme) Eindhoven University of Technology** – Department of Industrial Engineering- Group of Information Systems

**Areas of Research:** Information Technologies, Fuzzy Systems, Artificial Neural Network, Deep Learning, Healthcare Informatics

**2014 -2016 (MSc.) Marmara University-** Operations Research Chair– Department of Industrial Engineering (Thesis Subject: “Game Theory and An Application”)

**Areas of Research:** Game Theory, Operations Research, Optimization Techniques, Matlab and applications

**2009-2014 (BSc.) Yıldız Technical University-** Mathematical Engineering - Chair of System Analysis

**Areas of Research:** SQL Database, C, C++ Programming

**2005-2009 (H.S.) İstanbul Köy Hizmetleri Anatolian High School (Science and Technology)**

## **EXPERIENCES**

### **Data Engineer | Unilever UK**

**07.10.2021-**

In Unilever, I am working on a digital twin project based on 'AI-based Control for digital manufacturing.' I developed a digital automation system by using Power BI and Power App. And I automated it by Power Automate by using mobile app and web services. And also for second project, I managed energy efficiency and trading for manufacturing line. For energy electricity line, I developed my own forecasting and optimization algorithms. And also following duties:

- \* Design, build, and maintain data pipelines and ETL/ELT workflows and SAS to support data-driven decision-making
- \* Power BI and Tableau tools for reporting and bi analytics, working with stakeholders to understand business requirements and data needs and to resolve data issues.
- \*Working with stakeholders, operational team members, data analysts to understand the business requirements, resolve data issues and ensure the accuracy and integrity of the data by implementing appropriate validation and quality checks.
- \*Developing and implementing computer vision solutions to analyse and interpreting complex data for prediction and designing, training and optimizing machine learning models for coins prediction. Working with Azure and Data bricks, and building pipelines from source systems to data lake. I have good hands-on experience with Lake Warehouse and Data Bricks.
- \*Understanding of search relevancy, indexing, and search algorithms in Elastic Search.
- \*Writing SAS, perl, shell scripts to Python, DBT based pipelines loading for other tools.
- \*Creating dashboards in Kibana.
- \*Experiencing with integrating search solutions with search client applications.
- \* A/B Testing of enterprise search solution

### **Assistant Professor | Gebze Technical University- Management Information Systems Department**

**07.10.2021-16.01.2022**

I was working as a full-time Assistant Professor for the Department of Management Information Systems. I was giving "Data Science", "Data Science for Management Applications" lectures in the Management Faculty.

### **Part-time Consultancy -Strategy and Feasibility Expert | Emin Group**

**10.09.2020-16.01.2022**

I was working for the feasibility of products and campaigns. I support making strategic decisions, financial analyst on products.

### **Project Consultant | IND Information Technologies**

**04.08.2020- 16.01.2022**

In IND, I was working on a research project based on 'Design and AI-based Control for Industrial Applications and Research & Development Projects. I was performing digital twin simulations and designing novel data-driven control methods, and machine learning algorithms.

**Project Consultant | Porte Technologies**  
**01.02.2020- 16.01.2022**

I was working on a research project based on 'Mobile Applications and Research & Development Projects. I was performing logistics, CRM operations, e-commerce applications in related with data mining processes.

**Visiting Researcher | Eindhoven University of Technology**  
**01.06.2019- 01.09.2019**

In Eindhoven University of Technology, I studied about 'Deep Learning and Its Applications for Healthcare Informatics' at the Innovation Sciences Research Group within the supervisory of Prof. Dr.-ir. Uzey KAYMAK.

**Research Assistant | Piri Reis University**  
**01.03.2018- 30.09.2021**

I was working as a full-time Research Assistant for the Department of Management Information Systems.

In Piri Reis Maritime University, I was working as a full-time Research & Teaching Assistant in the department of Management Information Systems.  
(<https://orcid.org/0000-0002-7335-5094>)

My main areas of interest are, computer aided engineering, applied mathematics, operational research, optimization techniques and computer programming. Lectures participated as a research assistant are,

YBS 111 - Introduction to Basic Information Technologies Applications  
YBS 122 - Introduction to Management Information Systems (Enterprise Resource Planning)  
YBS 213 - Introduction to Algorithm and Programming (C, C++ Programming)  
YBS 221 - Data Structures and Databases (SQL and Oracle)  
YBS 225 - Structural Programming- (Python, Java)  
YBS 226- Web Programming- (HTML, CSS, JavaScript)  
ULT 224- Quantitative Techniques in Logistics (Operational Research)  
YBS 316 - Object-Oriented Programming (C#)  
YBS 416 – Data Mining (Python)  
ULT 411- Logistics Simulation  
ULT 321 - Planning and Modelling in Logistics (ARENA)  
ACM 226- Mathematical Programming (GAMS)  
IND 324 – Material Management (Dr. Ezgi DEMİR)  
IND 326 – Lean Manufacturing (Dr. Ezgi DEMİR)  
BMV- 536- Research Methods and Data Security (Big Data Analytics Programme- Dr. Ezgi DEMİR)  
IND 246 – Engineering Economics (Dr. Ezgi DEMİR)

I had given all of them in English. In addition to my academic works, I was the 2nd coordinator of "Global Business Research Congress" in May 2019, and currently I am the

advisor of “PRU Informatics Club”.

### **Research Assistant | Yeditepe University**

11.09.2015 - 28.02.2018 I was working as a full-time Research Assistant for the Department of Management Information Systems

1. ACM 226- Mathematical Programming (GAMS)
2. AFN 224- Industrial Economics
3. ACM 226- Introduction to Algorithms (C, C++)

### **Business Analyst | Experteam Consulting**

01.09.2014 - 11.09.2015

- Assisting with the business case
- Planning and monitoring
- Eliciting requirements
- Requirements organization
- Translating and simplifying requirements
- Requirements management and communication
- Requirements analysis

### **Math Teacher | Uğur Private Teaching Institution**

09-2013/06-2014

I worked for University Entrance Exam Lessons.

### **Internship | Experteam Consulting**

07-2012/10-2012

Database Administrator (Oracle)

- working closely with IT project managers, database programmers and multimedia programmers.
- communicating regularly with technical, applications and operational staff to ensure database integrity and security.
- developing, managing and testing back-up and recovery plans.

### **Internship| MARET Marmara Besicilik ve Et Sanayi A.Ş**

07-2011/10-2011

Manufacture-R&D-Planning Department

- Apply statistical methods and perform mathematical calculations to determine manufacturing processes, staff requirements, and production standards.
- Coordinate quality control objectives and activities to resolve production problems, maximize product reliability, and minimize cost.
- Draft and design layout of equipment, materials, and workspace to illustrate maximum efficiency, using drafting tools and computer.

### **Internship | TAT Konserve Sanayi A . Ş**

07-10-2010 IT Department

- Manage the organization's hardware, software and physical communication.
- Provide a source of guidance for technology issues for staff and associated organizations.
- Maintain information security and availability.

## COMPUTER

**Programming:** Visual Basic, "C ", "C++", "C#", Microsoft SQL Server r2, Oracle, Java, Java Script, Python, R, GAMS, Lingo, Matlab, Modelica.

**Packet Programming:** Maple Software, Mathematica, "Solver", E-views, Winqsb, POMQM-V3, SPSS, QM For Windows, Sap Modules, Arena.

**Office Applications:** Microsoft Word, Excel, Access, Powerpoint, Outlook.

**Operating Systems:** Windows: '95 / '98 / ME / XP / Vista / 7 / 8.1 / 10,  
Linux: Ubuntu, Pardus

**Simulation:** MATLAB/Simulink

**Python Studies:** Tensorflow and Pytorch (CUDA-based Deep Learning), Sklearn (Machine Learning), Statsmodels (Statistical Analyses) SQLite and Pymongo (Database Operations), Control (System Dynamics & Control Analyses)

**Cloud Solutions:** AWS, Azure, GCP

## LANGUAGE

**English:** Fluently speaking, writing and reading ability (Foreign Language Exam: Yökdil: 87,5 /100, IELTS: 7.0)

**German:** Intermediate level speaking, writing and reading ability (İstanbul Köy Hizmetleri Anatolian High School second language)

## CERTIFICATIONS

C# Programming – Bahçeşehir University – (01.03.2011-15.06.2011)

ALES (Academic Staff Entrance Exam, EA-85/100, SAY- 84/100)

MACHINE LEARNING – Columbia University- EDX (2020)

STARTUP ENTREPRENEURSHIP AND MENTORSHIP PROGRAM- Marmara University Technology Transfer Office (MITTO)- 2020: A 3-months training program for startup entrepreneurship and mentorship, after the research project of 'AI-based Snakebot Design for Search and Rescue Processes' was accepted by MITTO.

Mentor of "Başlangıç Noktası Akademi"

## AWARDS and SCHOLARSHIP

BSc Scholarship at Yıldız Technical University, 2009-2014 (honored student)

Master with Thesis at Marmara University, 2014-2016 (honor student)

## AREAS OF INTEREST & RESEARCH FIELDS

- Machine Learning, Deep Learning and their engineering applications,
- Big Data Analytics,
- Data Mining,
- Computer Programming,
- Operational Research and Applications.

## SOCIAL ACTIVITIES

- Classical Music
- Theater and Movies
- Novels and Caricatures
- Interior Decoration and Furniture Design
- Travelling and Art History

## COMMUNICATION SKILLS

- Good communication skills gained through my experience as research assistant
- Excellent teaching skills with students gained through my lectures as research assistant

## ORGANIZATIONAL / MANAGERIAL SKILLS

- Good organization skills gained as the coordinator of “Global Business Research Congress”
- Good team-leading skills gained as the advisor of “PRU Informatics Club”
- And also I am the advisor of 150 students in the Department of Management Information Systems.

## JOB RELATED SKILLS

- Machine Learning, Deep Learning and their engineering applications,
- Big Data Analytics,
- Data Mining,
- Computer Programming,
- Operational Research and Applications.

## TRAININGS GIVEN

- ARSEM Research Seminars- Introduction to Python Programming ( 8 hours) (27.01.2020)
- ARSEM research Seminars- Python Programming (40 hours) (01.02.2021-05.02.2021)
- Ibnu Haldun University (40 hours) (02.05.2021-07.05.2021)
- Ladies Bootcamp Python Programing (12 hours) (30.09.2021-31.10.2021)

- Istanbul Sabahattin Zaim University, Tensorflow, Keras for Natural Language Processing (40 hours) (08.11.2021-16.11.2021)
- ARSEM research Seminars- Julia Programming for Data Science (40 hours) (01.07.2022-06.07.2022)
- ARSEM research Seminars- Python Programming for Data Science (40 hours) (05.07.2023-09.07.2023)

## MEMBERSHIP ASSOCIATIONS

- Data Science Earth (Data Science Instructor)

## ACADEMIC PROJECTS

**2022: Design of multi-purpose search and rescue and exploration robots – ongoing (Tubitak 1512)**

**2020: AI-based Snakebot Design for Search and Rescue Purposes:**

The project aims to design a snakebot for search&rescue processes working in dangerous environments. The mobile robot contains novel SLAM solutions for localization problems, and AI-based autonomy to decrease the process. Currently, the project is under Intellectual Property agreement.

**Awarded by:** 1. R&D Project Contest by Marmara University Innovation and Technology Transfer Office

2. Piri Reis University Support Program of Scientific Research Projects

**2020: TÜBİTAK- 1003 Project** - Developing an NLP-based Turkish Python code editor considering analyzing users' errors. (Project Number: 118E882) (Starting Date: 01/02/2020 – Finishing Date: 01/02/2022)

**2017: Bapko Project: Game Theory and A Financial Application for SMEs**

The project was completed in 2017 in Marmara University, BAPKO. My senior adviser was Prof. Dr. Sait Erdal DİNÇER. The aim of the project is to offer a solution proposal to global crisis conditions in financial markets with a game theory approach. (Starting Date: 11/03/2016, Finishing Date: 11/03/2017)

## OTHER PROJECTS

**2020: IND Bilişim(Ongoing) : R&D Consultant for projects**

- OXILATE, EMBACE, rAlse, AI2Cope and AgroAssist Projects on the ITEA Portal
- Demand Management Project in Esenler Municipality.

**2019: Startup Project: Kasar & Dual Textile Manufacturing**

There are 15 different processes in the production line in this company. Different raw materials go through different production lines in each time. The quality control process of each production line results in a different way. In the production process, different defects occur in the output products. Many of these faulty products either has been ended up outlet suppliers or returned by the customer. This project aims to make product error detection with machine learning. According to the results encountered



in the production line of faulty products, a model has been designed to solve the problem. Another aim is to provide logistics optimization of the products which are faulty and end up with outlet suppliers.

## JOURNALS AND PROCEEDINGS

1. Ezgi DEMİR, Çağlar KARAMAŞA, “Analysis of Experts’ Psychological Behaviors Under Risk with Pythagorean Fuzzy Sets and Todim Method in Terms of Balanced Scorecard: An Example of Factoring and Financial Leasing Companies”, Journal of Multi-Valued Logic & Soft Computing, Vol.35, pp.125-145,(SCI-E)  
(Link: <https://www.oldcitypublishing.com/journals/mvlsc-home/mvlsc-issue-contents/mvlsc-volume-35-number-1-2-2020/mvlsc-35-1-2-p-125-145/>)
2. Ezgi Demir, Hakan Turan, “ An integrated Spherical Fuzzy AHP Multi-Criteria Method for COVID-19 Crisis Management in Regarding of Lean Six Sigma”, International Journal of Lean Six Sigma (SCI-E) (<https://www.emerald.com/insight/content/doi/10.1108/IJLSS-11-2020-0183/full/html> )
3. Ezgi Demir, Alptekin Ulutaş, Figen Balo, Lutfu Sua, Ayşe Topal, Vladimir Jakovljević, “A NEW INTEGRATED GREY MCDM MODEL: CASE OF WAREHOUSE LOCATION SELECTION”, Facta Universitatis Series: Mechanical Engineering (SCI) (<http://casopisi.junis.ni.ac.rs/index.php/FUMechEng/article/view/7570> )
4. Ezgi Demir, Hakan Turan, Sait Erdal Dinçer, “A NOVEL SPHERICAL FUZZY ARAS (Additive Ratio Analysis) METHOD FOR SELECTING IDEAL WIND TURBINE PLACE”, International Journal of Computational Intelligence Systems (SCI-E) (under-revision)
5. Ezgi Demir, Selçuk Korucuk, Çağlar Karamaşa, Zeljko Stevic, “A novel Rough-Fuzzy MCDM model for assessment circular economy: Case of eastern black sea region”, Journal of Enterprise Information Management (SSCI) (<https://www.emerald.com/insight/content/doi/10.1108/JEIM-10-2020-0419/full/html> )
6. Stevic Zeljko, ULUTAŞ ALPTEKİN, KORUCUK SELÇUK, MEMİŞ SALİH, DEMİR EZGİ, TOPAL AYŞE, KARAMAŞA ÇAĞLAR, Supply Chain Management (SCM) Breakdowns and SCM Strategy Selection during the COVID-19 Pandemic Using the Novel Rough MCDM Model. Hindawi Limited, Complexity, 2023, 1-20 (SSCI)
7. Stevic Zeljko, KORUCUK SELÇUK, KARAMAŞA ÇAĞLAR, DEMİR EZGİ, Zavadskas Edmundas Kazimieras, A Novel Integrated Fuzzy-Rough MCDM Model for Assessment of Barriers Related to Smart Logistics Applications and Demand Forecasting Method in the COVID-19 Period. World Scientific Pub Co Pte Ltd / International Journal of Information Technology & Decision Making, 21(5), 1647-1678
8. Çağlar Karamaşa, Ezgi Demir, Salih Memiş and Selçuk Korucuk, “WEIGHTING THE FACTORS AFFECTING LOGISTICS OUTSOURCING” Decision Making: Applications in Management and Engineering, Vol. 4, Issue 1, 2020, pp. 19-32. ISSN: 2560-6018 eISSN: 2620-0104,DOI:<https://doi.org/10.31181/dmame2104019k> (Scopus)(Link:<https://dmame.rabek.org/index.php/dmame/article/view/159/63>)

9. Ezgi DEMİR, Çağlar KARAMAŞA, Selçuk KORUCUK, Zeljko Stevic, “DETERMINING THE DIMENSIONS OF THE INNOVATION ABILITY IN LOGISTICS SECTOR BY USING PLITHOGENIC-CRITIC METHOD: AN APPLICATION IN SAKARYA PROVINCE”, International Review, No: 1-2, 2020, pp. 119-127, ISSN: 2217-9739. (Link: <https://scindeks.ceon.rs/Article.aspx?artid=2217-97392001119K>) (E-SCI)
10. Ezgi DEMİR, Gözde KOCA, “Green Supplier Selection Using Intuitionistic Fuzzy AHP and TOPSIS Methods: A Case Study from the Paper Mills” Intelligent and Fuzzy Techniques in Big Data Analytics and Decision Making, Part of the Advances in Intelligent Systems and Computing book series, SPRINGER, 2020. (Link: [https://link.springer.com/chapter/10.1007%2F978-3-030-51156-2\\_77](https://link.springer.com/chapter/10.1007%2F978-3-030-51156-2_77)) (Book Section- Scopus)
11. KOCA GÖZDE, EĞİLMEZ ÖZÜM, DEMİR EZGİ, KARAMAŞA ÇAĞLAR, Gökcan Halil İbrahim, GİYİM SEKTÖRÜNDE DÖNGÜSEL EKONOMİNİN YÜRÜTÜCÜLERİNİN VE ENGELLERİNİN SWARA VE BWM METOTLARI İLE ANALİZİ. Mehmet Akif Ersoy Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi - Mehmet Akif Ersoy University Journal of Economics and Administrative Sciences Faculty, 9(2), 763-787
12. KARAMAŞA ÇAĞLAR, KORUCUK SELÇUK, DEMİR EZGİ, MEMİŞ SALİH, A Quantitative Analysis for Prioritizing Success Elements in Agile Logistics Applications: The Case of Giresun and Ordu. Alphanumeric Journal, 11(1), 63-84
13. Ezgi DEMİR, Çağlar KARAMAŞA, N.Kemal ERDOĞAN, Serpil ALTINIRMAK, ” Measuring The Performance Of Factoring and Financial Leasing Firms Listed In BIST Under The Balanced Scorecard Perspective Via Pythagorean Fuzzy Sets”, Intelligent and Fuzzy Techniques in Big Data Analytics and Decision Making, Part of the Advances in Intelligent Systems and Computing book series (AISC, volume 1029), SPRINGER, (Link: [https://link.springer.com/chapter/10.1007%2F978-3-030-23756-1\\_112](https://link.springer.com/chapter/10.1007%2F978-3-030-23756-1_112)) (Book Section-Scopus)
14. Ezgi DEMİR, Salih MEMİŞ, Çağlar KARAMAŞA, Selçuk KORUCUK, “ PRIORITIZATION OF ROAD TRANSPORTATION RISKS: AN APPLICATION IN GİRESUN PROVINCE”, Operational Research in Engineering Sciences: Theory and Applications, Vol. 3, Issue 2, 2020, pp. 111-126, ISSN: 2620-1607, eISSN: 2620-1747. (Link: <https://oresta.rabek.org/index.php/oresta/article/view/63>) (Scopus)
15. Ezgi DEMİR, Sait Erdal DİNÇER, “BIBLIOMETRIC ANALYSIS APPLICATION FOR DEMATEL TECHNIQUE”, New Approaches in Operational Research, Ekin Publishing, p.257-278, ISBN: 978-625-7210-64-5.(Book Section) (Link: <https://www.bkmkitap.com/new-approaches-in-operational-research>)
16. Ezgi DEMİR, Sait Erdal DİNÇER, ”Data Mining Applications in Manufacturing Industry: A Literature Review”, Journal of Business Administration Faculty, V.2, p.1-12, 2020. (TR-ULAKBİM) (Link: <https://dergipark.org.tr/en/pub/isfad/issue/55262/758295> ).
17. Ezgi DEMİR, Sait Erdal DİNÇER, ”PLACE AND SOLUTION PROPOSALS OF DATA MINING IN PRODUCTION PLANNING AND CONTROL PROCESSES: A BUSINESS APPLICATION”, PressAcademia Procedia (PAP), V.11, p.189-193, 2020, Link: <https://www.pressacademia.org/archives/pap/v11/37.pdf> . (DRJI, [International Scientific Indexing](#), [ISRA \(International Society for Research Activity\)](#), [Rootindexing](#), [infobase index](#), [J-Gate](#), [SOBIAD Indexes](#))

18. Ezgi DEMİR, Batuhan KOCAOĞLU, “BEST-WORST ANALYSIS METHOD OF BUSINESS MATURITY THROUGH DIGITAL TRANSFORMATION PROCESSES: AN EXAMPLE FOR IT SECTOR”, PressAcademia Procedia (PAP), V.11, p.43-46,2020, Link: <https://www.pressacademia.org/archives/pap/v11/9.pdf> . (DRJI, International Scientific Indexing, ISRA (International Society for Research Activity), Rootindexing, infobase index, J-Gate, SOBIAD Indexes)
19. Ezgi DEMİR, Ece DOĞANTAN, Bahri Baran KOÇAK, Çağlar KARAMAŞA, “Comparison of Cooking Methods in the Scope of Cuisine Dynamics: An Assessment From the Views of the Chefs in Neutrosophic Environment”, Quadruple Neutrosophic Theory and Applications Volme I, Editors: Florentin Smarandache, Memet Şahin, Vakkas Uluçay and Abdullah Kargin, 94-112, ISBN:978-1-59973-647-1, Pons Editions, Brussels, Belgium, EU, 2020. (Link: <http://fs.unm.edu/QuadrupleNeutrosophicTheory1.pdf>)
20. Ezgi DEMİR, Batuhan KOCAOĞLU, “MATURITY ASSESSMENT IN THE TECHNOLOGY BUSINESS WITHIN THE MCKINSEY’S 7S FRAMEWORK”, Research Journal of Business and Management, 2019, Volume:6, Issue:3,( <http://doi.org/10.17261/Pressacademia.2019.1117>) (Link: <https://dergipark.org.tr/en/download/article-file/816027> ) (TR-Ulakbim)
21. Ezgi DEMİR, Batuhan KOCAOĞLU, “LOGISTICS INFORMATION SYSTEM SELECTION WITH ENTROPY BASED COPRAS METHOD: A UNIVERSITY CASE” , Omer Halisdemir University Journal of Engineering Sciences (Accepted)
22. Selçuk KORUCUK, Ezgi DEMİR, Çağlar KARAMAŞA, “DANGEROUS GOODS TRANSPORTATION APPLICATION TO RISK FACTORS: EXAMPLE OF EASTERN BLACK SEA REGION”, VI INTERNATIONAL SCIENTIFIC CONFERENCE SAFETY AND CRISIS MANAGEMENT - THEORY AND PRACTISE SAFETY FOR THE FUTURE - SecMan 2020, p.199-207, BELGRADE 2020, ISBN: 978-86-80692-06-7. (Full Paper)
23. Selçuk KORUCUK, Ezgi DEMİR, Çağlar KARAMAŞA, “ Analyzing the Critical Success Factors of Enterprise Resource Planning via Neutrosophic Sets: An Application in Ordu”, International Scientific&Professional Conference, December 3rd, 2020, p.19-28, ISBN: 978-86-84531-49-2. (Full Paper)
24. Ezgi DEMİR, S. Erdal DİNÇER, “Çok Kriterli Karar Verme Yöntemleriyle Türkiye’de Sosyo-Ekonomik Yasam Düzeylerinin Bölgesel Analizi: MOORA Referans Metodu Yaklaşımı ile MOORA Oran Metodunun Karşılaştırılması”, 37. YÖNEYLEM ARAŞTIRMASI ve ENDÜSTRİ MÜHENDİSLİĞİ ULUSAL KONGRESİ, (ISBN 978-605-9546-06-5). (Abstract)
25. Ezgi DEMİR, S.Erdal DİNÇER “Solving Approach with Game Theory in Regarding of Simultaneous Optimization of Expectations of The State and Smes in Overcoming of Global Crisis Conditions” , Social Sciences Research Journal, Volume 5, Issue 1, pp.26-49. (Link: <https://dergipark.org.tr/tr/pub/ssrj/issue/22474/240399> ) ([Academic Resource Index](#), [Scientific Indexing Services](#), [Eurasian Scientific Jornal Index](#), [SOBIAD](#) Indexes)
26. Ezgi DEMİR, S. Erdal DİNÇER ” The Analysis of Regional Socio Development Level of the Cities in Turkey by Vikor Method Approach from Multiple Criteria Decision Making Methods”, Social Sciences Research Journal, Volume 7, Issue 1, 55-75 ( March 2018 ), ISSN :2147-5237 (Link: <https://dergipark.org.tr/tr/pub/ssrj/issue/35807/396382> ) ([Academic Resource Index](#), [Scientific Indexing Services](#), [Eurasian Scientific Jornal Index](#), [SOBIAD](#) Indexes).

27. Ezgi DEMİR, S.Erdal DİNÇER, İbrahim DOĞAN, “Macro - Economic Analysis 2000-2017 Periods of Turkey’s Economy With Multi-Criteria Decision Making Methods: Integrated Swara, Aras And Saw Method”, 19th International Symposium on Econometrics, Operations Research and Statistics 2018, 17-20 October 2018, Antalya, Turkey (ISBN: 978-605-68960-0-2) (Full Paper), (Link: <http://dosya.marmara.edu.tr/kongre/eyi2018/Bilimsel%20Program/Y2.pdf> )
28. Ezgi DEMİR, Batuhan KOCAOĞLU, ”A DECISION SUPPORT SYSTEM FOR INDUSTRY 4.0 TECHNOLOGIES: A BUSINESS CASE”,16th International Logistics and Supply Chain Congress, 18-20 October 2018, Denizli, Turkey (ISBN: 978-605-81099-1-9) (Full Paper) (Link : <https://www.pau.edu.tr/LMSCM2018/tr/sayfa/abstracts-and-proceedings-books-2> )
29. Ezgi DEMİR, Batuhan KOCAOĞLU, “OPTIMAL TECHNOLOGY SELECTION IN DIGITAL TRANSFORMATION”, 5th International Symposium on Social Human and Administrative Sciences, 25-27 October 2018, Yıldız Technical University, İstanbul, Turkey (ISBN: 978-605-2132-77-7) (Full Paper)
30. Ezgi DEMİR, Batuhan KOCAOĞLU,“SMART WAREHOUSE SELECTION PROBLEM WITH MULTI-CRITERIA DECISION MAKING METHODS”, Yayın Yeri: IV. International Conference On Applied Economics And Finance & Extended With Social Sciences, 28-29-30 November 2018, Kuşadası-Aydın, Turkey (ISBN NU: 978-605-68187-7-6), (Link [https://www.icoaef.com/wp-content/uploads/2018/08/abstract\\_03.01.pdf](https://www.icoaef.com/wp-content/uploads/2018/08/abstract_03.01.pdf) ). (Full Paper)
31. Ezgi DEMİR, “ Statistical Analysis of the Yearly Performance of World Maritime Trade with Multi Criteria Decision Making Methods”, 8th International Maritime Science Conference, 11-12 April 2019, Budva-Montenegro. (Abstract)
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