



# ŞENOL EMİR

## ASST. PROF.

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Anabilim Dalı 34452- Beyazıt

### International Researcher IDs

ScholarID: kpbGIFIAAAJ

ORCID: 0000-0002-6762-9351

Publons / Web Of Science ResearcherID: AAC-6545-2020

ScopusID: 54388804300

Yoksis Researcher ID: 125232



### Learning Knowledge

Doctorate 2008 - 2013	Istanbul University, Institute of Social Sciences, Sayısal Yöntemler, Turkey
Postgraduate 2003 - 2006	Istanbul University, Institute of Graduate Studies In Sciences, Informatics Department, Turkey
Undergraduate 1998 - 2002	Beykent University, Faculty Of Arts And Sciences, Department Of Mathematics And Computer, Turkey

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

IT, Blokszincir - Eğitiminin Eğitimi, İSTANBUL BTC: İSTANBUL BLOCKCHAIN TEKNOLOJİLERİ VE İNOVASYON MERKEZİ, 2023

### Dissertations

Doctorate, Yapay sinir ağları ve destek vektör makineleri yöntemlerinin sınıflandırma performanslarının karşılaştırılması: Borsa endeks yönünün tahmini üzerine bir uygulama, Istanbul University, Institute of Social Sciences, İşletme/Sayısal Yöntemler, 2013  
Postgraduate, E-öğrenmede sınav modelleri ve uygulaması, Istanbul University, Institute of Graduate Studies In Sciences,

## Academic Titles / Tasks

Assistant Professor 2018 - Continues	Istanbul University, Faculty of Economics, Department of Econometrics
Assistant Professor 2014 - 2018	Istanbul University, Faculty of Economics, Department of Econometrics
Assistant Professor 2013 - 2014	Beykent University, Vocational School, Bilgisayar Programcılığı
Lecturer 2003 - 2013	Beykent University, Vocational School, Bilgisayar Programcılığı

## Supported Projects

1. Uzun S., Sırma İ., Şeker M., Bektaş H., Emir Ş., Saldanlı A., Project Supported by Other Official Institutions, FKB Endeksi, 2022 - 2023
2. EMİR Ş., TUBITAK Project, Comparative Analysis of Balanced Scorecard Based New Service Development Competencies with Hybrid Multi-Criteria Decision Making Methods under the Fuzzy Environment: An Application on Turkish Banking Sector, 2017 - 2019

## Jury Memberships

Post Graduate, Post Graduate, İstanbul Üniversitesi, September, 2023

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

1. **Using the fuzzy multicriteria decision making approach to evaluate brand equity: a study of privatized firms**  
Dinçer H., Bozaykut-Buk T., Emir Ş., Yuksel S., Ashill N.  
Journal of Product and Brand Management, vol.29, pp.335-354, 2020 (SSCI)

## Articles Published in Other Journals

1. **Evaluation of factors affecting logistics performance in a global crisis environment with DEMATEL and BWM**  
Dişkaya F., Emir Ş.  
Akıllı Ulaşım Sistemleri ve Uygulamaları Dergisi (Online), vol.6, no.2, pp.300-325, 2023 (Peer-Reviewed Journal)
2. **Suggestion for a earthquake risk-based approach in the housing selection process with cluster analysis**  
Dişkaya F., Emir Ş.  
Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.11, no.2, pp.281-293, 2022 (Peer-Reviewed)

Journal)

3. **Earthquake Risk-Based Urban Transformation Priority Ranking with AHP-TOPSIS Integrated Approach: Istanbul Province Case**  
Dişkaya F., Emir Ş.  
Afet ve Risk Dergisi, vol.4, no.2, pp.203-223, 2021 (Peer-Reviewed Journal)
4. **A Comparison of Machine Learning Classifiers for Evaluation of Remarketing Audiences in E-Commerce**  
Ekelik H., Emir S.  
ESKİSEHİR OSMANGAZI UNIVERSİTESİ İİBF DERGİSİ-ESKİSEHİR OSMANGAZI UNIVERSITY JOURNAL OF ECONOMICS AND ADMINISTRATIVE SCIENCES, vol.16, no.2, pp.341-359, 2021 (ESCI)
5. **Analysis of Service Innovation Performance in Turkish Banking Sector Using a Combining Method of Fuzzy MCDM and Text Mining**  
DİNÇER H., YÜKSEL S., EMİR Ş.  
MANAS Journal of Social Studies (MJSS), vol.7, no.3, pp.479-504, 2018 (Peer-Reviewed Journal)
6. **Comparing the performance of Turkish deposit banks by using DEMATEL, Grey Relational Analysis (GRA) and MOORA approaches**  
YÜKSEL S., DİNÇER H., EMİR Ş.  
World Journal of Applied Economics, vol.3, no.2, pp.26-47, 2017 (Peer-Reviewed Journal)
7. **An Assessment on Banking Returns with Data Mining Approach: A Critical Investigation on Deposit Banks in Turkey**  
EMİR Ş., Dinçer H., Hacıoğlu Ü.  
Asian Journal of Research in Business Economics and Management, vol.6, pp.153-172, 2016 (Peer-Reviewed Journal)
8. **Online news for performance appraisal of Turkish Banking with Web Mining**  
EMİR Ş., Hacıoğlu Ü., Dinçer H.  
Asian Journal of Research in Business Economics and Management, vol.6, pp.108-128, 2016 (Peer-Reviewed Journal)
9. **Fuzzy c-means clustering of Turkish deposit banks with banking efficiency factors**  
EMİR Ş., Dinçer H., Hacıoğlu Ü.  
Global Business and Economics Research Journal, vol.5, pp.57-73, 2016 (Peer-Reviewed Journal)
10. **Random Regression Forest Model using Technical Analysis Variables: An application on Turkish Banking Sector in Borsa Istanbul (BIST)**  
EMİR Ş., Dinçer H., Hacıoğlu Ü., Yüksel S.  
International Journal of Finance & Banking Studies, vol.5, no.3, pp.85-102, 2016 (Peer-Reviewed Journal)
11. **Clustering analysis for determining the key interests in the financial literature using text mining**  
EMİR Ş., Hacıoğlu Ü., Dinçer H.  
Global Business and Economics Research Journal, vol.5, pp.31-56, 2016 (Peer-Reviewed Journal)
12. **Comparative Study of Outlier Detection Algorithms via Fundamental Analysis Variables: An Application on Firms Listed in Borsa Istanbul**  
EMİR Ş., Dinçer H., Hacıoğlu Ü., Yüksel S.  
International Journal of Research in Business and Social Science, vol.4, pp.45-60, 2015 (Peer-Reviewed Journal)
13. **An Assessment on the Allocation of Customer Credits in Turkish Banking Sector: An Integrated Method Using DEMATEL and WTA**  
EMİR Ş., Dinçer H., Hacıoğlu Ü.  
Journal of Qafqaz University- Mechanical and Industrial Engineering, vol.3, no.2, pp.163-174, 2015 (Peer-Reviewed Journal)
14. **Inner-Dependency Analysis of Banking Sector Using DEMATEL Technique: Evidence from Turkish Banking Sector**  
EMİR Ş., Dinçer H., Hacıoğlu Ü.  
Journal Of Qafqaz University- Economics and Administration, vol.3, no.2, pp.214-227, 2015 (Peer-Reviewed Journal)

15. **Predicting the Istanbul Stock Exchange Index Return using Technical Indicators: A Comparative Study**  
EMİR Ş.  
International Journal of Finance & Banking Studies, vol.2, no.3, pp.111-117, 2013 (Peer-Reviewed Journal)
16. **A Stock Selection Model Based on Fundamental and Technical Analysis Variables by Using Artificial Neural Networks and Support Vector Machines**  
TİMOR M., Emir Ş.  
Review of Economics & Finance, no.2, pp.106-122, 2012 (Scopus)
17. **Performance comparison of artificial neural network (ANN) and support vector machines (SVM) models for the stock selection problem: An application on the Istanbul Stock Exchange (ISE) - 30 index in Turkey**  
TİMOR M., DİNÇER H., EMİR Ş.  
AFRICAN JOURNAL OF BUSINESS MANAGEMENT, vol.6, pp.1191-1198, 2012 (Peer-Reviewed Journal)

### Books & Book Chapters

1. **An Investigation of Anomaly Detection Methods in Machine Learning for High Dimensional Datasets**  
EMİR Ş.  
in: Global Studies on Management Information Systems, Kartal, Elif; Akadal, Emre; Övenç, Gökhan; Tabar Saeed, Editor, İstanbul University Press, İstanbul, pp.227-254, 2023
2. **Classification Performance Comparison of Artificial Neural Networks and Support Vector Machines Methods: An Empirical Study on Predicting Stock Market Index Movement Direction**  
Emir Ş.  
in: Strategic Priorities in Competitive Environments, Dincer H.,Yüksel S., Editor, Springer, London/Berlin , Zürich, pp.177-218, 2020
3. **Financial Determinants of Bank Profits: A Comparative Analysis of Turkish Banking Sector**  
Dinçer H., Hacıoğlu Ü., EMİR Ş.  
in: Globalization of Financial Institutions: A Competitive Approach to Finance and Banking, Dinçer H., Hacıoğlu Ü., Editor, Springer International Publishing, Hamburg, pp.109-123, 2014

### Refereed Congress / Symposium Publications in Proceedings

1. **A Text Clustering Analysis with Business, Finance and Economics Dictionary for Green Supply Chain Management: An Application on BIST-100**  
EMİR Ş., DİNÇER H., YÜKSEL S.  
I. International Symposium on Economics, Finance, and Econometrics, İstanbul, Turkey, 21 - 23 September 2017, pp.189-210
2. **Measuring the Technical Efficiency of Telecommunication Sector within Global Crisis: Comparison of G8 Countries and Turkey**  
Diskaya F., Emir S., Orhan N.  
7th International Strategic Management Conference, Paris, France, 30 June - 02 July 2011, vol.24
3. **Determining the Necessary Criteria for the EU Membership by Using the Machine Learning Method: 2005-2010 Period Analysis**  
Diskaya F., Emir S., Orhan N.  
7th International Strategic Management Conference, Paris, France, 30 June - 02 July 2011, vol.24
4. **Graf Renklendirme Algoritması Kullanılarak Sınav Atama Probleminin Çözülmesi-Örnek Bir Uygulama**  
KILIÇASLAN K., EMİR Ş.  
29.Yöneylem Araştırması ve Endüstri Mühendisliği Kongresi, Ankara, Turkey, 22 - 24 June 2009, pp.1
5. **Web Ortamında Matematiksel İçeriğin Sunumu: MathML İşaretleme Dili**

## Courses

Data Management and Reporting, Undergraduate, 2023 - 2024  
BASİC COMPUTER SKILLS, Undergraduate, 2023 - 2024  
MATHEMATICS, Undergraduate, 2021 - 2022  
BİLGİSAYAR, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019  
PYTHON VE R PROGRAMLAMA, Postgraduate, 2021 - 2022, 2020 - 2021  
MAKİNE ÖĞRENMESİ VE UYGULAMALARI, Postgraduate, 2020 - 2021  
BİLİŞİM TEKNOLOJİLERİ, Undergraduate, 2020 - 2021, 2018 - 2019  
MATEMATİK I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019  
MATEMATİK II, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019  
COMPUTER SCIENCE, Undergraduate, 2021 - 2022  
INFORMATION TECHNOLOGIES, Undergraduate, 2020 - 2021  
INFORMATION TECHNOLOGIES, Undergraduate, 2020 - 2021  
BİLGİSAYAR, Undergraduate, 2019 - 2020, 2018 - 2019  
BİLGİSAYAR, Undergraduate, 2020 - 2021  
MATEMATİK I, Undergraduate, 2020 - 2021, 2019 - 2020, 2017 - 2018, 2016 - 2017  
İLERİ MATEMATİK, Undergraduate, 2017 - 2018  
MATEMATİK II, Undergraduate, 2017 - 2018, 2016 - 2017  
FİNANS MATEMATİĞİ, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015  
MATEMATİK II, Undergraduate, 2015 - 2016, 2014 - 2015  
MATEMATİK II, Undergraduate, 2015 - 2016, 2014 - 2015  
MATEMATİK -I, Undergraduate, 2015 - 2016, 2014 - 2015  
BİLGİSAYAR, Undergraduate, 2015 - 2016  
MATEMATİK I, Undergraduate, 2015 - 2016, 2014 - 2015  
MATEMATİK-I, Undergraduate, 2015 - 2016, 2014 - 2015

## Activities in Scientific Journals

Journal of Social and Administrative Sciences, Publication Committee Member, 2014 - Continues  
Journal of Economic and Social Thought, Publication Committee Member, 2014 - Continues

## Scientific Refereeing

Abant Sağlık Bilimleri ve Teknolojileri Dergisi, National Scientific Refreed Journal, June 2023  
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, Journal Indexed in SCI-E, June 2022  
EKOİST JOURNAL OF ECONOMETRICS AND STATISTICS (ONLINE), National Scientific Refreed Journal, June 2022  
BALKAN JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING, National Scientific Refreed Journal, March 2022  
JOURNAL OF BUSINESS ECONOMICS AND MANAGEMENT, Journal Indexed in SSCI, August 2021  
JOURNAL OF BUSINESS ECONOMICS AND MANAGEMENT, Journal Indexed in SSCI, February 2019  
Ekonometri ve İstatistik e-Dergisi, National Scientific Refreed Journal, November 2014  
Journal of Business Economics and Management, Journal Indexed in SSCI, May 2014

## Metrics

Publication: 26  
Citation (WoS): 10  
Citation (Scopus): 14  
H-Index (WoS): 1  
H-Index (Scopus): 2

## Research Areas

Operational Research, Quantitative Methods, Computer Learning, Fuzzy Sets and Systems, Neural Networks, Multi Criteria Decision Making, Optimization