

## Assoc. Prof. MUSTAFA AĞAOĞLU

### Personal Information

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### International Researcher IDs

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### Education Information

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Bilgisayar Mühendisliği (YL) (Tezli), Turkey 1999 - 2003

Undergraduate, Bogazici University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 1992 - 1999

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Yükseköğretimde Bilgi Yönetim Sistemlerinin Tasarımı ve Öğrenci Bilgi Sistemleri Üzerine Bir Araştırma, Marmara Üniversitesi, Institute of Social Sciences, İletişim Bilimleri (Dr), 2009

Postgraduate, Automation of Student Affairs including Web Implementations, Marmara Üniversitesi, Institute for Graduate Studies in Pure and Applied Sciences, Bilgisayar Mühendisliği (YL) (Tezli), 2003

### Research Areas

Database and Data Structures, Artificial Intelligence, Computer Learning and Pattern Recognition, Software

### Academic Titles / Tasks

Associate Professor, Marmara University, Faculty of Engineering, Computer Engineering, 2017 - Continues

Assistant Professor, Marmara University, Faculty of Engineering, Computer Engineering, 2010 - Continues

Research Assistant, Marmara University, Faculty of Engineering, Computer Engineering, 2000 - 2010

### Academic and Administrative Experience

Marmara University, Rectorate, 2008 - 2014

## Advising Theses

BULKAN S., AĞAOĞLU M., A metaheuristic algorithm to elasticity based shelf space allocation problem, Doctorate, A.HANDE(Student), 2016

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

- I. **Enhanced migrating birds optimization algorithm for optimization problems in different domains**  
Algin R., ALKAYA A. F., AĞAOĞLU M.  
Annals of Operations Research, 2024 (SCI-Expanded)
- II. **Precision Oncology: An Ensembled Machine Learning Approach to Identify a Candidate mRNA Panel for Stratification of Patients with Breast Cancer**  
Kurt F., AĞAOĞLU M., ARĞA K. Y.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, vol.26, pp.504-511, 2022 (SCI-Expanded)
- III. **Feature selection via computational intelligence techniques**  
Algin R., ALKAYA A. F., AĞAOĞLU M.  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.39, no.5, pp.6205-6216, 2020 (SCI-Expanded)
- IV. **Predicting Instructor Performance Using Data Mining Techniques in Higher Education**  
AĞAOĞLU M.  
IEEE ACCESS, vol.4, pp.2379-2387, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The Blockchain Technologies: Do We Really Know What We Are Talking About?**  
YURTKORU E. S., AĞAOĞLU M.  
Journal of research in business (online), vol.7, no.4, pp.249-260, 2022 (Peer-Reviewed Journal)
- II. **Can we really differentiate between generations? A data mining approach**  
Ağaoğlu M., Yurtkoru E. S., Börü M. D.  
European Proceedings of Social and Behavioural Sciences, vol.101, pp.162-172, 2021 (Peer-Reviewed Journal)
- III. **Exploring the Factors Affecting Purchase Intention in Music Industry**  
AĞAOĞLU M., YURTKORU E. S., ŞAHİN Y.  
Yönetim Bilişim Sistemleri Dergisi, vol.2, pp.169-180, 2016 (Peer-Reviewed Journal)
- IV. **A Heuristic Approach for Shelf Space Allocation Problem**  
EROL BİNGÜLER A. H., BULKAN S., AĞAOĞLU M.  
Journal of Military and Information Science, vol.4, pp.38-44, 2016 (Peer-Reviewed Journal)
- V. **A Heuristic Approach for a Shelf Space Allocation Problem**  
Erol Bingüler A. H., Bulkan S., Ağaoğlu M.  
Journal of Military and Information Science, vol.4, no.1, pp.38-44, 2016 (Peer-Reviewed Journal)
- VI. **Diagnosis of Breast Cancer Using Ensemble of Data Mining Classification Methods**  
ZORLUOĞLU G., AĞAOĞLU M.  
International Journal of Bioinformatics and Biomedical Engineering, vol.1, no.3, pp.318-322, 2015 (Peer-Reviewed Journal)
- VII. **A Hybrid Algorithm For Exam Timetabling Problem For Marmara University**  
GEDİKLİ M. E., AĞAOĞLU M.  
Girne American University Journal, vol.7, no.11, pp.57-67, 2015 (Peer-Reviewed Journal)
- VIII. **The effect of ERP implementation CSFs on business performance an empirical study on users perception**  
Ağaoğlu M., Yurtkoru E. S., Ekmekçi F. A.  
Procedia-Social and Behavioral Sciences, vol.210, pp.35-42, 2015 (Peer-Reviewed Journal)
- IX. **Kamu Kurumunda Kullanıcıların Farklı Özelliklerinin E-dönüşümün Kabulüne Etkilerinin İncelenmesi**  
Çetinkaya A., Ağaoğlu M., Esgin E.

The International Journal of Human Sciences (IJHS), vol.3, no.13, pp.108-122, 2015 (Peer-Reviewed Journal)

X. **A research on student s university and program preference criteria**

AĞAOĞLU M., YURTKORU E. S.

Öneri, vol.10, pp.115-124, 2013 (Peer-Reviewed Journal)

## Books & Book Chapters

I. **Bilişim ve E-Devlet**

AĞAOĞLU M.

in: Bilişim ve ..., ÇETİNKAYA AHMET, KIRIK ALİ MURAT, ŞAHİN ÖZGÜR ERKUT, Editor, Hiperlink, İstanbul, pp.137-159, 2015

II. **Performance of Migrating Birds Optimization Algorithm on Continuous Functions**

ALKAYA A. F., ALGIN R., ŞAHİN Y., AĞAOĞLU M., AKSAKALLI V.

in: Advances in Swarm Intelligence, Tan Ying, Shi Yuhui, Coello Coello Carlos A., Editor, Springer, Hefei, pp.452-459, 2014

## Refereed Congress / Symposium Publications in Proceedings

I. **Medical Appointment No-Show Prediction Using Machine Learning Techniques**

Abushaaban E., AĞAOĞLU M.

2nd International Conference on Computing and Machine Intelligence, ICMI 2022, İstanbul, Turkey, 15 - 16 July 2022

II. **Performance of Simultaneous Perturbation Stochastic Approximation for Feature Selection**

Algin R., ALKAYA A. F., AĞAOĞLU M.

International Conference on Intelligent and Fuzzy Systems, INFUS 2022, İzmir, Turkey, 19 - 21 July 2022, vol.505 LNNS, pp.348-354

III. **The Blockchain Technologies: Do We Really Know What We Are Talking About?**

YURTKORU E. S., AĞAOĞLU M.

imisc2021 - 8th International Management Information Systems Conference, İstanbul, Turkey, 20 October 2021

IV. **Can We Really Differentiate between Generations? A Data Mining Approach**

Ağaoğlu M., Yurtkoru E. S., Börü M. D.

9th INTERNATIONAL CONFERENCE ON LEADERSHIP, TECHNOLOGY, INNOVATION AND BUSINESS MANAGEMENT, İstanbul, Turkey, 12 - 13 December 2019, pp.153-161

V. **Counterproductive Use of Technology: Cyberloafing**

AĞAOĞLU M., YURTKORU E. S., TAŞTAN S.

4th International Management Information Systems Conference "Industry 4.0" (IMISC2017), İstanbul, Turkey, 17 - 20 October 2017, pp.35

VI. **Exploring the Factors Affecting Purchase Intention in Music Industry**

AĞAOĞLU M., YURTKORU E. S., ŞAHİN Y.

3rd International Management Information Systems Conference (IMISC2016), İzmir, Turkey, 6 - 08 October 2016

VII. **Kamuda Kurumsal Bilgi Yönetimi İçin Bir E Dönüşüm Modeli ve Yol Haritası Önerisi**

ESGİN E., ÇETİNKAYA A., AĞAOĞLU M.

AB2016 Akademik Bilişim Konferansları, Aydın, Turkey, 3 - 05 February 2016

VIII. **Kurum ve Kuruluşlarda EBYS Uygulamaları Marmara Üniversitesi Örneği**

AĞAOĞLU M., YÜCE H., YALÇINKAYA B.

ÜNAK, 2013, Bilgi Sistemleri Platformlar Mimariler ve Teknolojiler., Ankara, Turkey, 19 - 21 September 2016, pp.237-243

IX. **Approaches for optimizing cross sell and up sell opportunities in campaigns**

AĞAOĞLU M., DUMAN E., EROL BİNGÜLER A. H.

13th Cologne-Twente Workshop on Graphs & Combinatorial Optimization, 26 - 28 May 2015

- X. **A Heuristic Approach for Shelf Space Allocation Problem**  
EROL BİNGÜLER A. H., BULKAN S., AĞAOĞLU M.  
International Conference on Value Chain Sustainability, 12 - 13 March 2015
- XI. **The effect of ERP implementation CSFs on business performance: an empirical study on users' perception**  
AĞAOĞLU M., YURTKORU E. S., Ekmekci A. K.  
4th International Conference on Leadership, Technology, Innovation and Business Management (ICLTIBM), İstanbul, Turkey, 19 - 21 November 2014, vol.210, pp.35-42
- XII. **Performance of Migrating Birds Optimization Algorithm on Continuous Functions**  
ALKAYA A. F., Algin R., Sahin Y., AĞAOĞLU M., AKSAKALLI V.  
5th International Conference on Swarm Intelligence (ICSI), Hefei, China, 17 - 20 October 2014, vol.8795, pp.452-459
- XIII. **Neighbour Function Based Solution Approaches for Sequence Dependent Traveling Salesman Problem**  
TONYALI S., ALKAYA A. F., AĞAOĞLU M.  
The 9th International Conference on Optimization: Techniques and Applications (ICOTA 9), Taipei, Taiwan, 12 - 16 December 2013
- XIV. **A Hybrid Algorithm for Exam Timetabling Problem in Marmara University**  
GEDİKLİ M. E., AĞAOĞLU M.  
Second International Symposium on Engineering, Artificial Intelligence & Applications, Girne, Cyprus (Kktc), 5 - 07 November 2014
- XV. **Kurum ve Kuruluşlarda EBYS Uygulamaları Marmara Üniversitesi Örneği**  
Ağaoğlu M., Yüce H., Esgin E., Yaçınkaya B.  
ÜNAK 2013 Konferansı, İstanbul, Turkey, 19 - 21 September 2013
- XVI. **Öğrencilerin Üniversite Eğitiminden Beklentileri ve Tercih Ölçütlerine İlişkin Veri Madenciliği Uygulaması**  
Ağaoğlu M., Yurtkoru E. S.  
Uluslararası Yükseköğretim Kongresi: Yeni Yönelişler ve Sorunlar, İstanbul, Turkey, 27 - 29 May 2011, pp.1
- XVII. **University Preference Criteria**  
Yurtkoru E. S., Ağaoğlu M.  
New Developments in Theory and Applications of Statistics: An International Conference in Memory of Professor Moti Lal Tiku, Ankara, Turkey, 2 - 04 May 2011, pp.1
- XVIII. **Application of One Class Support Vector Machine Algorithms to Health Insurance Fraud Detection**  
ŞAHİN Y., AŞUK C., AĞAOĞLU M., ALKAYA A. F.  
7th International Symposium on Intelligent and Manufacturing Systems, Sarajevo, Bosnia And Herzegovina, 15 - 17 September 2010, pp.523-532
- XIX. **Veritabanı Pazarlamasında Karlılık Yaklaşımları Ve Bir Eniyileme Çözümü**  
AĞAOĞLU M., ŞAHİN Y.  
III. İstanbul Bilişim Kongresi, İstanbul, Turkey, 29 - 31 May 2009, pp.193-196
- XX. **İnternet ve E Ticaretin Tedarik Zinciri Yönetimi Üzerine Etkileri**  
ŞAHİN Y., AĞAOĞLU M.  
III. İstanbul Bilişim Kongresi, İstanbul, Turkey, 29 - 31 May 2009, pp.145-151
- XXI. **Sahtekarlık Tespitinde Kullanılan Yöntemler**  
ŞAHİN Y., AĞAOĞLU M.  
2. İstanbul Bilişim Kongresi, İstanbul, Turkey, 3 - 04 June 2008, pp.185-191
- XXII. **Bilgisayarla İlgili Disiplinler ve Farklılaşma Gereği**  
KIRLIDOĞ M., AĞAOĞLU M.  
V. Akademik Bilişim Konferansı, Adana, Turkey, 3 - 05 February 2003
- XXIII. **Can E Learning Help for Student Based Learning**  
KIRLIDOĞ M., AĞAOĞLU M.

First International Conference on Innovations in Learning for the Future: e-Learning, İstanbul, Turkey, 26 - 27  
October 2004, pp.351-360

## **Metrics**

Publication: 40

Citation (WoS): 60

Citation (Scopus): 4

H-Index (WoS): 3

H-Index (Scopus): 1