

# Curriculum Vitae & Publications

**Name / Surname:** Ali Haydar

**Date of Birth:** 1969

## Education Background:

Degree	Major	Institution	Year
Undergraduate	E-E Engineering	Middle East Technical University	1991
Graduate	E-E Engineering	Middle East Technical University	1994
PhD	E-E Engineering	Eastern Mediterranean University	1999

## Positions held:

Title	Institution	Year
Prof. Dr.	Girne American University	2015
Assoc. Prof. Dr.	Girne American University	2010

## Graduate Theses managed:

**H. Aljebbeh**, “Comparison of Performances of Two Offline Handwritten Arabic Character Segmentation Algorithms”, Girne American University, 2013

**D. Gök**, “Evaluation of Performances of Artificial Bee Colony and Invasive Weed Optimization Algorithms on Benchmark Functions and Modified Benchmark Functions”, Girne American University, 2012

**R. Behzadan**, “Comparison of Metaheuristic Algorithms for Continuous Global Optimization”, Girne American University, 2011

**M. Tunay**, “ Comparison of Modified Genetic Algorithm and Monkey Search Algorithm on Specific Benchmark Functions”, Girne American University, 2011

**A. Kalantari Soltanieh**, “The Application of Clustering Methods in Information Retrieval Systems”, Girne American University, 2008

**O. Abbas**, “ Designing a Model for Detecting Objectionable Images Through the Use of Colour Related Features and Non Colour Related Features”, Girne American University, 2007

**N. Velisoy**, “Finding Strong Curves for Elliptic Curve Cryptography”, Girne American University, 2007

**B. Heval Diken**, “Application Of Genetic Algorithm for the Maximization of Microwave Transistor Power Performance”, Girne American University,2005

**M.Akkaya** , “A Search For Relation Between Human Resource Management and Firm Performance Through The Use of Radial Basis Function”, Girne American University, 2004

### **PhD theses managed:**

**E. Deniz Ülker**, “ New Hybrid Algorithm Based on Differential Evolution, Particle Swarm Optimization and Harmony Search Algorithms and the Comparison Study of these Algorithms”, Girne American University, 2013

**M.Akkaya** , “Analysis of the Relation Between Several Group of Factors and Job Satisfaction of Academicians in Higher Education Through the Use of Artificial Neural Networks”, Girne American University, 2013

**İ. Erşan**, “Application of Modified Analytic Hierarchy Process in Prediction of Academic Performance in Higher Education”, Girne American University, 2012

## **Publications**

### **A. Published articles/publications/journals with arbitration:**

**Akkaya, M. , Ağdelen, Z. , Haydar, A. and Sarı, A.** (2015) Resolution of Relationship between Organizational Performance and Human Resource Management through Nonlinear Modeling. *International Journal of Communications, Network and System Sciences*, **8**, 510-522. doi: [10.4236/ijcns.2015.812046](https://doi.org/10.4236/ijcns.2015.812046).

**E. Deniz Ülker, A. Haydar,K. Dimililer**, “Application of Hybrid Optimization Algorithm in the Synthesis of Linear Antenna Array”, *Mathematical Problems in Engineering*, accepted for publication, *Mathematical Problems in Engineering*, 7 pages, doi:10.1155/2014/686730. (September 2014)

**E. Deniz Ülker, A. Haydar**, “Comparing the Robustness of Evolutionary Algorithms on the Basis of Benchmark Functions”, *Advances in Electrical and Computer Engineering*, Vol.13, No.2, 2013

**M. Akkaya, A. Haydar**, “Analysis of Job Satisfaction of Academicians Through the Use of Artificial Neural Networks”, *Academic Research International*, Vol.4, No.1, January 2013

**M. Akkaya, A. Haydar**, “Analyzing the Effect of Different Group of Factors on the Job Satisfaction of Academicians ”, *International Journal of Academic Research*, Vol.5, No.1, January 2013

**E. Deniz Ülker, A. Haydar**, “Comparison of the Performances of Differential Evolution, Particle Swarm Optimization and Harmony Search Algorithms on Benchmark Functions”, Vol.3, No.2, September 2012

**D. Gök, A. Haydar, K. Dimililer**, “Evaluation of the Performances of Artificial Bee Colony and Invasive Weed Optimization Algorithms on the Modified Benchmark Functions”, Academic Research International, Vol.2, No.3, May 2012

**İ. Erşan, A. Haydar**, “The Use of Analytic Hierarchy Process for Prediction”, Academic Research International, Vol.2, No.3, May 2012

**K. Dimililer, A. Haydar**, “A Modified Differential Evolution Algorithm in Sparse Linear Antenna Array Synthesis”, Academic Research International, Vol.2, No.1, January 2012

**A. Haydar, K. Dimililer**, “A Genetic Algorithm for Calculating Eigenvalues of the Spheroidal Wave Functions”, International Journal of Academic Research, Vol.3, No.1, January 2011

**T. Adalı, A. Haydar**, “Neural Networks Applied to Multifunctional Materials”, Journal of Optoelectronics and Advanced Materials, pp.1618-1622, Vol.9, No.6, June 2007.

**O. Taylan, A. Haydar**, “Artificial Neural Network Models in the Prediction Of The Moisture Content Of A Spray Drying Process”, Journal of The Korean Ceramic Society, Vol.41, No.5, 2004.

**A. Haydar, M. Demirekler, M.K. Yurtseven**, “Speaker Identification Through Use Of Features Selected Using Genetic Algorithm”, Electronic Letters (IEE), pp.39-40, Vol.34, 1998.

**A. Haydar, M. Demirekler, M.K. Yurtseven**, “Feature Selection Using Genetic Algorithm And Its Application To Speaker Verification”, Electronic Letters (IEE), pp.1457-1459, Vol.34, No.15, 1998.

## **B. International Symposium proceedings:**

**A. Haydar, K. Dimililer**, “Generalized Evolutionary algorithm: A New Optimization Algorithm”, (Accepted), ISEAIA2013, Girne American University, Nov 6-8, 2013

**K. Dimililer, Z. Ağdelen, A. Haydar**, “The Use of Artificial Neural Networks in Analyzing the Impact of HRM on Firm Performance”, (Accepted), ISEAIA2013, Girne American University, Nov 6-8, 2013

**E. Deniz Ülker, A. Haydar**, “A Hybrid Algorithm Based on Differential Evolution, Particle Swarm Optimization and Harmony Search Algorithms”, Federated Conference on Computer Science and Information Systems (FedCSIS), pp. 417-420, 2013

**İ. Erşan, A.Haydar**, “ Assessment of Indirect Factors Affecting Academic Performance Using Modified Analytic Hierarchy Process”, Proc. of International Counseling and Education Conference(ICEC2012), May 2012, İstanbul Technical University, Turkey

**Haydar A. , Ağdelen Z., Kanani A.**, ‘Üniversite Öğrencilerinin Akademik Başarılarını Etkileyen Faktörlerin Yapay Sinir Ağları Yöntemi ile Analiz Edilmesi’, 2<sup>nd</sup> International Computer and Instructional Technologies Symposium , 16-18 April, 2008, Ege University

**Adalı T., Haydar A. ,** ‘Application of Self Organizing Feature Maps in Creating Group Profile Agents ’, 2<sup>nd</sup> International Computer and Instructional Technologies Symposium , 16-18 April, 2008, Ege University

**Adalı T., Haydar A. ,** ‘The Role of Pedagogical Agents on Virtual Training Environment ’, 2<sup>nd</sup> International Future Learning Conference , 27-29 March, 2008, İstanbul University

**Ersöz B.T., Ağdelen Z., Haydar A.,** ‘ KKTC’de Özel Hastanelerin Sunduğu Sağlık Hizmetlerinin Hasta Tatmini Açısından İstatistiksel Analizi’, International Health and Hospital Administration Congress, June 01-03, Near East University,2007

**Ağdelen Z., Haydar A.,Kanani A.**, ‘Analyzing the Factors Affecting the Success in University Entrance Examination through the Use of Artificial Neural Networks’, Near East University, May 03-05,2007

**Ağdelen Z., Haydar A.**, ‘Analysis of a Relation between Human Resource Management and Firm Performance through the use of Artificial Neural Network’, 5<sup>th</sup> International Symposium on Intelligent Manufacturing Systems, May 29-31, 2006, Sakarya University

**Haydar A., Ağdelen Z.**, ‘The Effect of Changes in Human Resource Management Measures on the Firm Performance Through the use of Nonlinear Model’, 5<sup>th</sup> International Symposium on Intelligent Manufacturing Systems, May 29-31, 2006, Sakarya University

**M.Akkaya , A.Haydar , Z.Ağdelen**, “A Search For Relation Between Human Resource Management and Firm Performance Through The Use of Radial Basis Function”, 1st International Symposium on Information Technologies, 19-22 April 2005, Girne American University

**T.Adalı , A. Haydar** , “Neural Networks Application in Biotechnology”, 1st International Symposium on Information Technologies, 19-22 April 2005, Girne American University

**T. Adalı, A. Haydar** , ‘Monitoring High Speed photopolymerization of HEMA by using Real Time Recurrent Neural Network’, P-82, IX<sup>th</sup> International Symposium of Biomedical Science and Technology, 2002.

**M.Demirekler, A.Haydar**, “Feature Selection Using Genetic-Based Algorithm And Its Application To Speaker Identification” , ICASSP(IEEE), pp.329-332, 1999.

**A.Haydar, M.Demirekler, B.Nakipoglu, B.Tuzun**, “Text independent speaker identification using bayes decision rule and vector quantizer ” , 5th Int. Conf. on Advances in Communication and control , 1995, Paper COMCON5, pp. 56-60.

### **C. International books written or sections from those books:**

**E. D. Ülker, A. Haydar**, “Measuring Performance of a Hybrid Optimization Algorithm on a Set of Benchmark Functions”, *Advances in Computational Optimization, Chapter of Studies in Computational Intelligence*, Springer Publishing, pp. 181-191. (January 2015) (Book Chapter)

### **D. Published national articles (in particular over last 5 years):**

**Haydar A., Ağdelen Z., Özbeşer P.**, ‘The Use of Back-Propagation Algorithm in the Estimation of Firm Performance’, *İstanbul Ticaret Üniversitesi, Fen Bilimleri Dergisi*, Yıl:5, Sayı:10, 2006

**Dimililer K., Haydar A.**, ‘Application of the Genetic Algorithm for Calculating Eigenvalues of the Spheroidal Wave Functions’, *GAU Journal*, 2006

### **E. National symposium proceedings and seminars/conferences published:**

**Haydar A., Tufan M.E., Gök D.**, ‘Classification of Banks According to Service Quality and Analyzing the Relationship Between Service Quality and Customer Satisfaction Through the Use of Self-Organizing Feature Maps’, *OR/IE’2009 29<sup>th</sup> National Symposium on Operations Research and Industrial Engineering*, June22-24, 2009, Bilkent University

**Haydar A., Ük N., Öztürk S.**, ‘The Use of Artificial Neural Networks in the Classification of Patient Satisfaction According to Their Demographic Features’, *OR/IE’2000 29<sup>th</sup> National Symposium on Operations Research and Industrial Engineering*, June22-24, 2009, Bilkent University

**Haydar A. Ağdelen Z.**, ‘Yapay Sinir Ağları ile Turist Tatmini ve Demokrafik Özellikleri Arasındaki İlişkinin Analizi’, *OR/IE’2007 28<sup>th</sup> National Symposium on Operations Research and Industrial Engineering*, June30-July2, 2008, Galatasaray University

**Haydar A. Ağdelen Z.**, ‘Application of Floyd’s algorithm in Solving Shortest Path Problems’, *OR/IE’2007 28<sup>th</sup> National Symposium on Operations Research and Industrial Engineering*, June30-July2, 2008, Galatasaray University

**Haydar A. Ağdelen Z., Özbeşer P.**, ‘Use of Genetic algorithm and Self-Organizing Feature Maps for Obtaining More Reliable Data’, *OR/IE’2007 28<sup>th</sup> National Symposium on Operations Research and Industrial Engineering*, June30-July2, 2008, Galatasaray University

**Haydar A. Ağdelen Z., Kanani A.**, ‘Comparison of Fuzzy C-Means and K-means Clustering Algorithms for Grouping the Data’, *OR/IE’2007 28<sup>th</sup> National Symposium on Operations Research and Industrial Engineering*, June30-July2, 2008, Galatasaray University

**Kanani A., Haydar A., Dimililer K.**, ‘Use of Artificial Neural Networks in Compression’, OR/IE’2007 28<sup>th</sup> National Symposium on Operations Research and Industrial Engineering, June30-July2, 2008, Galatasaray University

**Haydar A., Kalantari A., Karshenas A., Ağdelen Z.**, ‘Application of Fuzzy Clustering in Analyzing Tourist Satisfaction in Turkish Republic of Northern Cyprus’, OR/IE’2007 27<sup>th</sup> National Symposium on Operations Research and Industrial Engineering, July 2-4, 2007, 9 Eylül University

**Haydar A., Bozdemir H.Ş., Erdoğan İ., Şeker C.**, ‘Solving Integer Programming Problems Using Genetic Algorithms’, OR/IE’2007 27<sup>th</sup> National Symposium on Operations Research and Industrial Engineering, July 2-4, 2007, 9 Eylül University

**Ağdelen Z., Ersöz B.T., Haydar A.**, ‘Analysis of the Relationship between Patient Satisfaction and Service Quality of Hospitals Through The Use of Self Organizing Feature Maps’, OR/IE’2007 27<sup>th</sup> National Symposium on Operations Research and Industrial Engineering, July 2-4, 2007, 9 Eylül University

**Karshenas A., Ağdelen Z., Haydar A.**, ‘Genetic Algorithms: An Exploration in Modelling and Optimization of Systems’, OR/IE’2007 27<sup>th</sup> National Symposium on Operations Research and Industrial Engineering, July 2-4, 2007, 9 Eylül University

**Ağdelen Z., Haydar A.**, ‘Effects of Human Resource Management on Turnover Using Neural Networks’, OR/IE’2006 26<sup>th</sup> National Symposium on Operations Research and Industrial Engineering, July 3-5, 2006, Kocaeli University

**Haydar A., Ağdelen Z., Özbeşer P.**, ‘The Use of Back-Propagation Algorithm in the Estimation of Firm Performance’, OR/IE’2006 26<sup>th</sup> National Symposium on Operations Research and Industrial Engineering, July 3-5, 2006, Kocaeli University

**Özbeşer P., Haydar A., Ağdelen Z.**, ‘The Freeze-Tag Problem’, OR/IE’2006 26<sup>th</sup> National Symposium on Operations Research and Industrial Engineering, July 3-5, 2006, Kocaeli University

**A. Haydar, M. Demirekler, B. Nakipoglu**, “Bayes karar verme kuralı ve vektör nicemleme(VQ) algoritması kullanılarak metinden bağımsız konuşmacı tanıma ”, 4. Sinyal İşleme ve Uygulamaları Kurultayı ,5-6 Nisan 1996, Kemer-Antalya, pp. 17-19.

## ***F. Other publications :***

### **Projects**

#### **National Projects**

- i) Project Name: Akıllı Ajanların e-Eğitim Ders Yönetiminde Kullanımı  
Project Manager: Prof. Dr. Hıfzı Doğan  
Year:2006
- ii) Project Name: Çok işlevli geniş ölçekli bilgi geri getirim sisteminin ağırlık tabanlı döküman vector tanımı methodu kullanılarak uygulanması.  
Project Manager: Yrd. Doç.Dr. Kamil Dimililer  
Year:2008

**Administrative positions :**

Dean of Engineering Faculty	Girne American University	2013-
Head of Computer Engineering Dept	Girne American University	2000-2013
Head of E-E Engineering Dept.	Girne American University	1999-2000