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**Education Information**

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, Turkey 2007 - 2015  
Postgraduate, Cukurova University, Sağlık Bilimleri Enstitüsü, Beden Eğitimi ve Spor, Turkey 2004 - 2007  
Undergraduate, Cukurova University, Mühendislik Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey 1995 - 2000

**Dissertations**

Doctorate, DEVELOPING VO2max PREDICTION MODELS FROM NON-EXERCISE, SUBMAXIMAL EXERCISE AND HYBRID TESTS USING MACHINE LEARNING METHODS, Cukurova University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, 2015  
Postgraduate, DESTEK VEKTÖRLERİ YÖNTEMİ KULLANILARAK SPORCU PERFORMANSINI ETKİLEYEN FAKTÖRLERİN TAHMİN EDİLMESİ, Cukurova University, Beden Eğitimi Ve Spor Yüksekokulu, Beden Eğitimi Ve Spor Anabilim Dalı, 2007

**Research Areas**

Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Software, Programming Languages, Engineering and Technology

**Academic Titles / Tasks**

Assistant Professor, Adana Alparslan Türkeş Science And Technology University, Faculty Of Aeronautics And Astronautics, Havacılık Ve Uzay Bilimleri Fakültesi, 2016 - Continues  
Lecturer PhD, Cukurova University, Beden Eğitimi Ve Spor Yüksekokulu, Beden Eğitimi Ve Spor, 2003 - 2016  
Research Assistant, Cukurova University, Mühendislik Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği, 2000 - 2003

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

1. Support vector machines for predicting the admission decision of a candidate to the School of
Physical Education and Sports at Cukurova University

AÇIKKAR M., AKAY M. F.

EXPERT SYSTEMS WITH APPLICATIONS, vol.36, no.3, pp.7228-7233, 2009 (SCI-Expanded)

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Articles Published in Other Journals

I. PREDICTION OF GROSS CALORIFIC VALUE OF COAL FROM PROXIMATE AND ULTIMATE ANALYSIS VARIABLES USING SUPPORT VECTOR MACHINES WITH FEATURE SELECTION

AÇIKKAR M.

Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.9, no.2, pp.1129-1141, 2020 (Peer-Reviewed Journal)

II. Yıkanmış Türk Linyit Kömürlerinin Üst Isıl Değerinin Destek Vektör Regresyonu ile Tahmini

AÇIKKAR M., SİVRİKAYA O.

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Books & Book Chapters

I. Developing VO2max Prediction Models Using Machine Learning Methods

AÇIKKAR M., AKAY M. F.

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I. Artificial neural networks for estimation of the gross calorific value of Turkish lignite coals

AÇIKKAR M., SİVRİKAYA O.

3rd International Mediterranean Science and Engineering Congress (IMSEC 2018), Adana, Turkey, 24 - 26 October 2018, pp.1075-1079

II. A New Data Reduction Algorithm for Improving the Performance of Support Vector Machines on Maximal Oxygen Uptake Prediction

AÇIKKAR M., AKAY M. F., George J.

Third International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2015), Girne, Cyprus (Kktc), 4 - 06 November 2015, pp.5

III. Predicting the Admission Decision of a Candidate to the School of Physical Education and Sports at Cukurova University by Using Multilayer Perceptron Combined with Feature Selection

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V. Destek Vektör Makineleri Kullanılarak Submaksimal Verilerden Maksimum Oksijen Tüketiminin Tahmin Edilmesi

AKAY M. F., Özsert G., AÇIKKAR M., George J.
VI. **Artificial neural network models for predicting maximum oxygen uptake from submaximal exercise involving walking, jogging or running**

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VII. **A New Approach for Improving the Performance of Support Vector Machines for Maximal Oxygen Uptake Prediction**

**AÇIKKAR M., AKAY M. F.**

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VIII. **Egzersiz ve Anket Verileri Kullanarak Yapay Sinir Ağı Tabanlı VO2max Tahmin Modelleri**

**AKAY M. F., Aktürk E., AÇIKKAR M.**

21. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, SİU2013, Kıbrıs, Cyprus (Kktc), 24 - 26 April 2013, pp.1

IX. **Egzersiz ve Anket Verileri Kullanarak Yapay Sinir Ağı Tabanlı VO2max Tahmin Modelleri**

**Akçarla E., AKAY M. F., Aktürk E., AÇIKKAR M.**

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X. **Neural Network Based VO(2)max Prediction Models Using Maximal Exercise and Non-Exercise Data**

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XI. **Intelligent Regression Techniques for Non-Exercise Prediction of VO(2)max**

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**AÇIKKAR M., AKAY M. F.**

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XIII. **Destek Vektör Makineleri ile Beden Eğitimi ve Spor Yüksekokuluna Giriş İçin Başvuran Adayların Başarı Durumlarının Tahmini**

**Mendi S., AKAY M. F., AÇIKKAR M.**

Ç.Ü. Müh-Mim. Fak. 30. Yılı Sempozyumu, Turkey, 16 - 17 October 2008

XIV. **DESTEK VEKTOR MAKİNELERİ İLE BEDEN EĞİTIMİ VE SPOR YÜKSEKOKULUNA GİRİŞ İÇİN BAŞVURAN ADAYLARIN BAŞARI DURUMLARINI TAHMİNİ**

**AKAY M. F., Mendi S., AÇIKKAR M.**

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XV. **Destek Vektör Makineleri Kullanılarak Sporcunun Aerobik Performans Düzeyinin Tahmin Edilmesi**

**AÇIKKAR M., AYDIN K., Özgünen K., Yazıcı Z., KURDAK S. S.**

1. Egzersiz Fizyolojisi Sempozyumu, Konya, Turkey, 25 - 28 May 2007, pp.30

XVI. **Destek Vektörlerinin Proteinlerin İkincil Yapılarını Tahmin Etme Gerekliliğini Uygulanması**

**İBİRİKLİ T., ÇAKMAK PEHLİVANLI A., ERSÖZ KAYA İ., AÇIKKAR M.**

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XVIII. **Mahalanobis distance with radial basis function network on protein secondary structures**

Ibrikci T., Brandt M., Wang G., Acikkar M.

24th Annual International Conference of the Engineering-in-Medicine-and-Biology-Society/Annual Fall Meeting of the Biomedical-Engineering-Society (EMBS 2002 BMES), Texas, United States Of America, 23 - 26 October 2002, pp.2184-2185

XIX. **Assessment of Gaussian radial basis function network on protein secondary structures**
Supported Projects

AKAY M. F., ÇETİN E., YARIM İ., Abut F., KOYUNCU B., ÖZÇİLOĞLU M. M., Project Supported by Higher Education Institutions, Ülkemiz Sporcuları için Yapay Zeka ve İstatistiksel Yöntemler Kullanılarak Maksimum Oksijen Tüketimi (VO2max) Tahmin Modellerinin Geliştirilmesi, 2016 - 2019
AKAY M. F., Daneshvar S., Özsert Yiğit G., Kaya K., Project Supported by Higher Education Institutions, PREDICTING THE PERFORMANCE MEASURES OF A 2DIMENSIONAL MESSAGE PASSING MULTIPROCESSOR ARCHITECTURE BY USING MACHINE LEARNING METHODS, 2015 - 2016

Metrics

Publication: 24
Citation (WoS): 15
Citation (Scopus): 17
H-Index (WoS): 2
H-Index (Scopus): 2