

ÖZGEÇMİŞ VE ESERLER LİSTESİ

ÖZGEÇMİŞ

Adı Soyadı: Oğuz Bayat

Adres : Mahmutbey kampüsü, Altınbaş Üniversitesi, Bağcılar, İstanbul

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Öğrenim Durumu:

Derece	Bölüm/Program	Üniversite	Yıl
Lisans	Elektrik-Elektronik Müh.	İstanbul Teknik Üniversitesi	2000
Y. Lisans	Elektrik-Elektronik Müh.	University of Hartford	2002
Doktora	Elektrik-Elektronik Müh.	Northeastern University	2006
Doçent	Elektrik-Elektronik Müh.	ÜAK	2014
Prof.	Elektrik-Elektronik Müh.	Altınbaş Üniversitesi	2019

Akademik Unvanlar:

Görev Unvanı	Görev Yeri	Yıl
Ar.Gör.	Mühendislik Fakültesi, University of Hartford	2001-2002
Ar.Gör.	Mühendislik Fakültesi, Northeastern University	2002-2004
Yrd. Doç.	Araştırma geliştirme laboratuvarı, Airvana Inc., Boston, USA	2009-2011
Yrd. Doç.	Mühendislik ve Mimarlık Fakültesi, Altınbaş Üniversitesi	2011-2013
Doç.	Mühendislik ve Mimarlık Fakültesi, Altınbaş Üniversitesi	2014-2019
Prof.	Mühendislik ve Mimarlık Fakültesi, Altınbaş Üniversitesi	2019- Halen

Yönetilen Yüksek Lisans Tezleri :

M. İlyas, *Physical Layer Coding performance of novel technologies* , Master's thesis, Altınbaş University Graduate School of Science and Engineering, 2014

G. Gültekin, *Location based Mobile shopping application on Android platform* , Master's thesis, Altınbaş University Graduate School of Science and Engineering, 2014

M. Yağcıoğlu, *UMTS/WCDMA scheduling techniques*, Master's thesis, Altınbaş University Graduate School of Science and Engineering, 2014.

Y. Kaplan, Sıklıkla Kullanılan Yapay Sinir Ağları Algoritmalarının Antalya İline Ait Elektrik Yük Tahmini Özelinde Analitik Olarak Değerlendirilmesi, Master's Thesis, Altınbaş University Graduate School of Science and Engineering, 2014

D. Soğukkuyu, Performans Yönetim Sistemi, Yüksek Lisans Tezi, Altınbaş Üniversitesi Fen Bilimleri Enstitüsü, 2017

- E. Marsel, Color Image Segmentation Using Spectral Clusterin, Master's Thesis, Altinbaş University Graduate School of Science and Engineering, 2017
- E. Coşkun, Development and Evaluation of the Authentication Systems By Using Different Palm Print Identification Methods, Master's Thesis, Altinbaş University Graduate School of Science and Engineering, 2017
- F. Kuwil, Spectral Clustering of Economic Data, Master's Thesis, Altinbaş University Graduate School of Science and Engineering, 2017
- M. Coşkun, Development and Evaluation of the Authentication Systems By Using Phase-Only Correlation Palm Print Identification Methods, Master's Thesis, Altinbaş University Graduate School of Science and Engineering, 2017
- T. Çelik, Öncül Bilgi Tabanlı Kan Paylaşım Sistemi Tasarım ve Uygulaması, Yüksek Lisans Tezi, Altinbaş Üniversitesi Fen Bilimleri Enstitüsü, 2017
- T. Çelik, Web Tabanlı Kilo Takip ve Öngörü Sistemi Tasarımı, Yüksek Lisans Tezi, Altinbaş Üniversitesi Fen Bilimleri Enstitüsü, 2017
- I. Thajeel, Improving Ids Alerts to Improve the Quality of the Network Security by Using Data Mining Techniques, Master's Thesis, Altinbaş University Graduate School of Science and Engineering, 2017
- Al-Rahlawee, Cloud Authentication Based Face Recognition Technique, Master's Thesis, Altinbaş University Graduate School of Science and Engineering, 2018
- A. Mohammed, Analysis of Correlation Relation Between Pollution and Petroleum Consumption Using algorithms (spectral clustering & K-mean), Master's Thesis, Altinbaş University Graduate School of Science and Engineering, 2018
- B. Al-Zuhari, Based Eye-Open and Eye-Closed States Prediction Using Machine Learning, Master's Thesis, Altinbaş University Graduate School of Science and Engineering, 2018
- I. Shire, Throughput-Optimal Policy Development For General Network Control System, Master's Thesis, Altinbaş University Graduate School of Science and Engineering, 2018
- K. Almujrab, Using Agile Methodologies to Develop Self-Service Business Intelligence Solution, Master's Thesis, Altinbaş University Graduate School of Science and Engineering, 2018
- M. Khan, Housing prices prediction Model, Master's Thesis, Altinbaş University Graduate School of Science and Engineering, 2018
- M. Coşkun, Development And Evaluation Of The Authentication Systems By Using Phase-Only Correlationpalm Print Identificaton Methods, Master's Thesis, Altinbaş University Graduate School of Science and Engineering, 2018
- W. Alashheb, Comparison of Optimization Algorithms for the Solution of Traveling Salesman Problem, Master's Thesis, Altinbaş University Graduate School of Science and Engineering, 2018
- F. Sardouk, Using Data Mining for The Classification of Breast Cancer, Master's Thesis, Altinbaş University Graduate School of Science and Engineering, 2019

Yönetilen Doktora Tezleri/Sanatta Yeterlik Çalışmaları:

V.Sevindik, *Scheduling algorithms and QoS architectures for next generation cellular communication systems*, Doctoral dissertation, University of Massachusetts, Lowell, 2010

A. Abbas, *Analyzing Big Data to Predict Personal Information and Properties for Twitter Users*, Doctoral dissertation, Altınbaş University Graduate School of Science and Engineering, 2018

A. Ibrahim, *Designing and Aware Medium Access Control Protocol and Energy Concious Ronting in a Quality Network*, Doctoral dissertation, Altınbaş University Graduate School of Science and Engineering, 2018

K. Al-Zaidi, *Metaheuristic Algorithms for Power Distribuction Systems Optimization*, Doctoral dissertation, Altınbaş University Graduate School of Science and Engineering, 2018

M. Ilyas, *Mathematical modeling and characteristics analysis of ultra-wideband in vivo radio channel*, Doctoral dissertation, Altınbaş University Graduate School of Science and Engineering, 2018

S. Hardan, *Spectral Efficiency Improvements of Optical Wireless Communication Systems*, Doctoral dissertation, Altınbaş University Graduate School of Science and Engineering, 2018

S. Al-Bawi, *Social Touch Gesture Recognition Using Deep Neural Network*, Doctoral dissertation, Altınbaş University Graduate School of Science and Engineering, 2018

T. Mohammed, *Hybrid Solution to Big Data Problems Using Evolation Algorithms and Machine Learning Algorithms*, Doctoral dissertation, Altınbaş University Graduate School of Science and Engineering, 2019

A.Al-Azzawi, *Advanced Face Recognition System Using Novel Technique Based on Linear Regression Slope*, Doctoral dissertation, Altınbaş University Graduate School of Science and Engineering, 2019

A. Alabbas, *A New Method for Improving Vehicular Data Communication Adaptive Power Transmission Node Connectivity*, Doctoral dissertation, Altınbaş University Graduate School of Science and Engineering, 2019

I. Jasim, *Bit Error Rate Performance based on Technology with Polar Code Over Channel and UWA Channel*, Doctoral dissertation, Altınbaş University Graduate School of Science and Engineering, 2019

U. Coruh, *Hybrid Secure Authenticion and Key Exchange for M2m Home Noteworks* Doctoral dissertation, Altınbaş University Graduate School of Science and Engineering, 2019

J.Wang, *Interference Cancellation on LTE networks*, Doctoral dissertation, University of Massachusetts, Lowell, 2019

İdari Görevler :

Fen Bilimleri Enstitüsü Müdürü, Altınbaş Üniversitesi, 2011-2019

Yenilikçilik ve Araştırma Daire Başkan Vekili, 2019- 2020

Lisansüstü Eğitim Enstitüsü Müdürü, Altınbaş Üniversitesi, 2019-2020

Rektör Danışmanı, Altınbaş Üniversitesi, 2015-Halen

Mühendislik ve Doğa Bilimleri Fakültesi Dekanı, Altınbaş Üniversitesi, 2021-Halen

Ödüller :

2005 , Outstanding Research Award - Northeastern University

2006 , 2 Patents – (Northeastern University TTO)

2008 , Bilimsel etkinlikleri destekleme komisyonu, BEDEK Yayın Teşvik Ödülü

2009 , Bilimsel etkinlikleri destekleme komisyonu, BEDEK Yayın Teşvik Ödülü

2010 , 8 Proje Başarı Ödülü – Airvana Inc. Nortel/Ericsson Unit

2011 , 2 Patent– (Enhancement on Femtocell and LTE Networks)

2012 , Altınbaş Üniversitesi Yayın Teşvik ödülü

2012 , Altınbaş Üniversitesi Araştırma projesi Teşvik ödülü

2012 , 4 Patent– Smallcell/femtocell and its applications

2013 , Altınbaş Üniversitesi Yayın Teşvik ödülü

2013 , Altınbaş Üniversitesi Araştırma projesi Teşvik ödülü

2014, TESİD Sanayi ödülü – Nokta atışı ürün geliştirmesi

2014 , Altınbaş Üniversitesi Yayın Teşvik ödülü

2014 , Altınbaş Üniversitesi Araştırma projesi Teşvik ödülü

2014, 5 Tübitak TEYDEB proje yürütücüsü ve danışmanı

2015 , Altınbaş Üniversitesi yılın başarılı Öğretim Üyesi

2016 , Altınbaş Üniversitesi yılın başarılı Öğretim Üyesi

2017 , Altınbaş Üniversitesi yılın başarılı Öğretim Üyesi

2018 , Patent belgesi - Altınbaş Üniversitesi

2018 , Altınbaş Üniversitesi yılın başarılı Öğretim Üyesi

2018 , En iyi Araştırma ödülü –IARES org -DATA 2018

Son iki yılda verdiği lisans ve lisansüstü düzeydeki dersler

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2010-Halen	Güz	Programming Languages and Techniques I	3	2	33
	İlkbahar	Programming Languages and Techniques II	3	2	33
2011-Halen	Güz	Digital Design	3	0	25
	İlkbahar	Digital Communications	3	0	22
2012-Halen	Güz	Wireless Communications	3	0	32
	İlkbahar	Wireless Networks	3	0	21

ESERLER

A. Uluslararası hakemli dergilerde yayımlanan makaleler :

- A1.** O. Bayat, B. Shafai, M. Salehi, O. N. Ucan and O. Osman, Signalling Enhancement on Multilevel Turbo Codes, *International Journal of Communication Systems*, Volume 21, Issue 7, Pages 791 - 798, DOI:10.1002/Dac.928, January 2008
- A2.** O. Bayat, N. Odabasioglu, O. Osman, O. N. Ucan, M. Salehi and B. Shafai, Joint Multilevel Turbo Equalization and Continuous Phase Frequency Shift Keying, *EURASIP Journal on Wireless Communications and Networking*, ID: 458785, 8 Pages, DOI:10.1155/2008/458785, 2008
- A3.** V. Sevindik, O. Bayat, J. Weitzen, Traffic Differentiation for BE users in CDMA 1xEVDO Network, *International Journal of Multimedia Tools and Applications*, Vol. 55, Pages 507-523, DOI: 10.1007/s11042-010-0563-6, July 2010
- A4.** V. Sevindik, O. Bayat, J. Weitzen, Scheduler Design for Traffic Classification in CDMA2000 1xEVDO Network, *Journal of Wireless Network (WINET)*, Vol. 17, No: 8, Pages 1731-1744, DOI 10.1007/s11276-011-0337-8, 2011
- A5.** V. Sevindik, O. Bayat, Packet Scheduling and Traffic Differentiation in Femtocell Environment, *IEICE Transactions on Communications*, Vol. E94-B, No:11, Pages 3018-3025, DOI: 10.1587/transcom.E94.B.3018, 2011
- A6.** O. Bayat, Inter-Symbol interference cancellation in CDMA 1xEVDO network, *International Journal of Communication Systems*, DOI: 10.1002/dac.2418, September 2014
- A7.** J Wang, J Weitzen, O Bayat, V Sevindik, M Li , Joint interference coordination approach in femtocell networks for QoS performance optimization, *International Journal of Communication Systems* 30 (12), e3263 2017
- A8.** M Ilyas, ON Ucan, O Bayat, X Yang, QH Abbasi, Mathematical Modeling of Ultra Wideband *in Vivo* Radio Channel, *IEEE Access* 6, 20848-20854, 2018
- A9.** SA Aljawarneh, O Bayat, Editorial Note: Advances in Visual Analytics and Mining Visual Data, *Multimedia Tools and Applications*, 17517, 2018
- A10.** HT Ibrahim, WJ Mazher, ON Ucan, O Bayat, A grasshopper optimizer approach for feature selection and optimizing SVM parameters utilizing real biomedical data sets, *Neural Computing and Applications*, 1-10, 2018
- A11.** KMS Alzaidi, O Bayat, ON Ucan, A Heuristic Approach for Optimal Planning and Operation of Distribution Systems, *Journal of Optimization* 2018
- A12.** A Alazzawi, ON Ucan, O Bayat, Performance of Face Recognition System Using Gradient Laplacian Operators and New Features Extraction Method Based on Linear Regression Slope, *Mathematical Problems in Engineering* 2018
- A13.** S Albawi, O Bayat, S Al-Azawi, ON Ucan, Social Touch Gesture Recognition Using Convolutional Neural Network, *Computational intelligence and neuroscience* 2018
- A14.** TA Mohammed, S Alhayali, O Bayat, ON Ucan, Feature Reduction Based on Hybrid Efficient Weighted Gene Genetic Algorithms with Artificial Neural Network for Machine Learning Problems in the Big Data, *Scientific Programming* 2018

- A15.** Bayat, ON Ucan , Estimation of Twitter user's nationality based on friends and followers information, *Computers & Electrical Engineering* 66, 517-530, 2018
- A16.** WJ Mazher, HT Ibrahim, ON Ucan, O Bayat, Drone swarm with free-space optical communication to detect and make deep decisions about physical problems for area surveillance, *Optical Engineering* 57 (3), 036116, 2018
- A17.** SA Aljawarneh, O Bayat, M Essaaidi, Introduction to the special section on new trends in data mining, games engineering and database systems, *Computers & Electrical Engineering* 66, 420-422, 2018
- A18.** I Salman, ON Ucan, O Bayat, K Shaker, Impact of Metaheuristic Iteration on Artificial Neural Network Structure in Medical Data, *Processes* 6 (5), 57, 2018
- A19.** SM Hardan, O Bayat, AA Abdulkafi, A new precoding scheme for spectral efficient optical OFDM systems, *Optics Communications* 419, 125-133, 2018
- A20.** U Coruh, O Bayat, Hybrid Secure Authentication and Key Exchange Scheme for M2M Home Networks, *Security and Communication Networks*, 2018
- A21.** HH Safi, O BAYAT, An Efficient Many-Objective Evolutionary Algorithm for Ecological Optimization Problems, *Opción*, 34, 2018
- A22.** M Ilyas, ON Ucan, O Bayat, AA Nasir, MA Imran, A Alomainy, QH Abbasi, Evaluation of ultra-wideband in vivo radio channel and its effects on system performance, *Transactions on Emerging Telecommunications Technologies*, e3530, 2019
- A23.** AI Abdu, O Bayat, ON Ucan, Designing insistence-aware medium access control protocol and energy conscious routing in quality-of-service-guaranteed wireless body area network, *International Journal of Distributed Sensor Networks* 15, 2019
- A24.** S Al Hayali, J Rahebi, ON Ucan, O Bayat, Increasing Energy Efficiency in Wireless Sensor Networks Using GA-ANFIS to Choose a Cluster Head and Assess Routing and Weighted Trusts to Demodulate Attacker Nodes, *Foundations of Science*, 1-20, 2019
- A25.** TA Mohammed, O Bayat, ON Ucan, S Alhayali, Hybrid Efficient Genetic Algorithm for Big Data Feature Selection Problems, *Foundations of Science*, 1-17, 2019
- A26.** MIA Al-Mashhadani, ON Ucan, O Bayat, Melanoma Cancer Analysis Towards Early Detection Using Machine Learning Algorithms, *Journal of Medical Imaging and Health Informatics* 9 (3), 514-527, 2019
- A27.** J Wang, J Weitzen, O Bayat, V Sevindik, M Li, Interference coordination for millimeter wave communications in 5G networks for performance optimization, *EURASIP Journal on Wireless Communications and Networking*, 46, 2019

B. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (Proceedings) basılan bildiriler :

B1. O. Bayat, B. Shafai and O. N. Ucan, An Efficient Channel Equalization on the Transmission of Turbo Coded Signals, *proceedings of CIC Conference*, Pages, 73-78, Las Vegas, Nevada, USA, June 2004

B2. O. Bayat, B. Shafai and O. N. Ucan, Reduced State Equalization of MLTC Signals, *IEEE proceedings of ICASSP*, Vol. 3, Pages 705-708, Philadelphia, PA, USA, DOI: 10.1109/ICASSP.2005.1415807, March 2005

B3. O. Bayat, B. Shafai and O. N. Ucan, Iterative Equalization of Frequency Selective Channels, *IEEE proceedings of Sarnoff Symposium*, Pages 33-36, Princeton, USA, DOI: 10.1109/SARNOF.2005.1426505, April 2005

B4. W. Montlouis, O. Bayat and B. Shafai, DOA and Angular Velocity Estimation using Planar Array with Subspace Based Initialization, *IEEE proceedings of Military Communication Conf.*, Vol: 5, Pages 2797-2801, Atlantic City, NJ, USA, DOI: 10.1109/MILCOM.2005.1606088, Oct. 2005

B5. O. Bayat, W. Montlouis, B. Shafai, O. N. Ucan and O. Osman, Channel Estimation and Tracking of Wireless Communication, *IEEE proceedings of Military Communication Conf.*, Vol. 1, Pages 214-217, Atlantic City, NJ, USA, DOI: 10.1109/MILCOM.2005.1605688, Oct. 2005

B6. V. Sevindik, O. Bayat, J. Weitzen, Performance Analysis of Inter-User Best Effort Class Users in CDMA 1xEVDO Network, *IEEE proceedings of International Symposium on Performance Analysis of Systems and Software*, NetEval 2009, Pages 4-9, Boston, MA, USA, April 2009

B7. V. Sevindik, O. Bayat, J. Weitzen, Radio Resource Management and Packet Scheduling in Femtocell Networks, *IEEE International workshop on Indoor and Outdoor Femto Cells (IOFC'11) and IEEE WIOPT'11*, Pages 428-433, Princeton, PA, USA, DOI: 10.1109/WIOPT.2011.5930058, May 2011

B8. V. Sevindik, O Bayat, J Weitzen, Performance analysis and simulation of packet scheduling algorithms in a femtocell environment, *Proceedings of the 44th Annual Simulation Symposium*, 95-99, 2011

B9. Y Bulut, O Bayat, Kalman filtering with model uncertainties, *Topics in Modal Analysis I*, Volume 5, 447-455, 2012

B10. V Sevindik, J Wang, O Bayat, J Weitzen, Performance evaluation of a real long term evolution (LTE) network, *37th Annual IEEE Conference on Local Computer Networks-Workshops*, 679-685, 2012

B11. H Cebi, O Bayat, Derivation of coupler and power sensing requirements for high linearity and efficiency tunable power amplifiers, *IEEE 20th International Conference on Microwaves, Radar and Wireless Communications (MIKON)*, 2014

B12. J Wang, J Weitzen, V Sevindik, O Bayat, M Li, Dynamic Centralized Interference Coordination in Femto Cell Network with QoS Provision, *Latest Trends on Communications*, *Proceedings of the 18th International Conference on Communications*, 2014

- B13.** J Wang, J Weitzen, V Sevindik, O Bayat, M Li, Interference Coordination in Femtocell Networks for QoS Performance Optimization, Proceedings of the International Conference on Wireless Networks (ICWN), 2015
- B14.** M Ilyas, O Bayat, O Ileri, Indoor location estimation by using MLE based algorithm on smallcell networks, 23rd Signal Processing and Communications Applications Conference (SIU) 2015
- B15.** M Yağcıoğlu, O Bayat, Experience-Based Packet Scheduler, Proceedings of the The International Conference on Engineering & MIS 2015
- B16.** Y Sönmez, O Bayat, TB Altuğlu, AD Duru, Performance comparison of php-asp web applications via database queries, Proceedings of the The International Conference on Engineering & MIS 2015
- B17.** O Bayat, SA Aljawarneh, Proceeding abstract of ICET, IEEE International Conference on Engineering and Technology, DOI: 10.1109/ICEngTechnol.2017.8308218 2017
- B18.** A Alazzawi, ON Uçan, O Bayat, Face recognition based on multi features extractors, International Conference on Engineering and Technology (ICET), 2017
- B19.** TA M., O Bayat, Efficient hybrid memetic algorithm for multi-objective optimization Problems, International Conference on Engineering and Technology (ICET) , 2017
- B20.** FA Mustafa, O Bayat, ON Ucan, Quality of remote sensing data for extracting water body International Conference on Engineering and Technology (ICET) , 2017
- B21.** AK A., TA M., O Bayat, O.N.U, The prediction of fusion degree of international groups their Twitter accounts, International Conference on Engineering and Technology (ICET) , 2017
- B22.** ON Uçan, O Bayat, MB Çoşkun, Development and evaluation of the authentication systems by using phase-only correlation palm print identification methods, International Conference on Engineering and Technology (ICET) , 2017
- B23.** M Ilyas, O Bayat, QH Abbasi, Experimental analysis of ultra wideband in vivo radio channel, 2018 26th Signal Processing and Communications Applications Conference (SIU), 2018
- B24.** HH Safi, ON Ucan, O Bayat, Study The Effect of High Dimensional Objective Functions on Multi-Objective Evolutionary Algorithms, Proceedings of the Fourth International Conference on Engineering & MIS 2018
- B25.** S Al-hayali, O Ucan, O Bayat, Genetic Algorithm for finding shortest paths Problem, Proceedings of the Fourth International Conference on Engineering & MIS 2018
- B26.** HH Safi, ON Ucan, O Bayat, On the real world applications of many-objective evolutionary algorithms, Proceedings of the First International Conference on Data Science, E-learning and Information Systems, 2018
- B27.** TA Mohammed, ON Uçan, O Bayat, Neural network behavior analysis based on transfer functions MLP & RB in face recognition, Proceedings of the First International Conference on Data Science, E-learning and Information Systems, 2018
- B28.** HI Alsaadi, MK Al-Anni, RM Almuttairi, O Bayat, ON Ucan, Text steganography in font color of MS excel sheet, Proceedings of the First International Conference on Data Science, E-learning and Information Systems, 2018

B29. A Alazzawi, ON Ucan, O Bayat, Robust face recognition algorithm based on linear operators discrete wavelet transformation and simple linear regression, Proceedings of the First International Conference on Data Science, E-learning and Information Systems, 2018

B30. M Ilyas, O Bayat, MA Imran, QH Abbasi, Ultra Wideband in Vivo Channel Modelling with Respect to Ex Vivo Antenna Location, 3th European Conference on Antennas and Propagation (EuCAP), 2019

B31. AA Ibrahim, O Bayat, ON Ucan, SA Eleruja, EN-NEAT: Enhanced Energy Efficient Threshold-Based Emergency Data Transmission Routing Protocol for Wireless Body Area Network, Third International Congress on Information and Communication Technology 2019

C. Yazılan uluslararası kitaplar veya kitaplarda bölümler :

C1. V. Sevindik, O. Bayat, Packet Scheduling in Home and Business Femtocells, *Chapter in Wireless Multi-Access Environments and Quality of Service Provisioning: Solutions and Application*, IGI Global, PA, USA, DOI: 10.4018/978-1-46660-017-1, ISBN10: 1466600179, 2012

C2. O. Bayat, V. Sevindik, haberleşme sistemleri: teknolojisi ve mimarisi I, Altınbaş üniversite yayınları, Nobel akademik, 2019

D. Ulusal hakemli dergilerde yayımlanan makaleler :

D1. O. Bayat, H. Alnajjar, O. N. Ucan and O. Osman, Performance of Turbo Coded Signals over Fading Channels, *Istanbul University - Journal of Electrical & Electronics*, Vol. 2, Num. 1, P. 417-422, 2002

D2. O. Bayat and O. N. Ucan, Multivariable Control in Helicopters, *Istanbul University - Journal of Electrical & Electronics*, Vol. 2, Num. 1, P. 437-446, 2002

D3. G Gültekin, O Bayat, Smart location-based mobile shopping Android application *Journal of Computer and Communications*, 54, 2014

D4. Y Çobas, AD Duru, ON Uçan, O Bayat, DİKKAT SEVİYESİNİN GERÇEK ZAMANDA İZLENMESİ; BİR WEB UYGULAMASI, *AURUM-Mühendislik Sistemleri ve Mimarlık Dergisi* 1 (1), 67-74, 2017

D5. AMM ABURAS, W MAZHER, ON UÇAN, O BAYAT, Implementation of Different Clustering Algorithms/Farklı Sınıflandırma Algoritmalarının Uygulamaları, *AURUM-Mühendislik Sistemleri ve Mimarlık Dergisi* 2 (1), 49-6, 2017

D6. HT Ibrahim, WJ Mazher, ON Ucan, O Bayat, Feature selection using salp swarm algorithm for real biomedical datasets, *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND NETWORK SECURITY* 12, 13, 2017

D7. WJ Mazher, O Bayat, ON Ucan, Performance of systematic distance-4 codes in free-space optical communication system, *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND NETWORK SECURITY* 17 (12), 5-12, 2017

- D8.** IK Thajeel, ON Uçan, O Bayat, Improving IDSs Alerts To Improve High Quality Network Security By Using Data Mining Technique= Veri Madenciliği Tekniğini İle ID'ler Kullanarak Ağ Güvenliğinin., *AURUM-Mühendislik Sistemleri ve Mimarlık Dergisi 1 (2)*, 17-29, 2018
- D9.** A Alsharif, W Mazher, ON Uçan, O Bayat, Optimization Of Electrical Charging Station Capacity= Elektrik Şarf İstasyon Kapasitelerinin Optimizasyonu , *AURUM-Mühendislik Sistemleri ve Mimarlık Dergisi 1 (2)*, 69-76, 2018
- D10.** AM NOOR, ON UÇAN, O BAYAT, PV Penetration Effect for Regulating Voltage Using Reactive Power/Reaktif Güç Kullanarak Gerilim Düzenlemesinde PV Penetrasyon Etkisi, *AURUM-Mühendislik Sistemleri ve Mimarlık Dergisi 2 (1)*, 17-25, 2018
- D11.** T ÇELİK, O BAYAT, AD DURU, ON UÇAN, Öncül Bilgi Tabanlı Kan Paylaşım Sistemi Tasarım ve Uygulaması/Design and Implementation of The Pioneer-Based Blood Sharing System, *AURUM-Mühendislik Sistemleri ve Mimarlık Dergisi 2 (1)*, 83-9, 2018
- D12.** A Alazzawi, ON Ucan, O Bayat, Evaluation of Face Recognition Techniques Using 2nd Order Derivative and New Feature Extraction Method Based on Linear Regression Slope, *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND NETWORK SECURITY 18 (3)*, 169-17, 2018
- D13.** AH Shalla, ON Ucan, O Bayat, Formation Control and Obstacle Avoidance in Swarm Robots, *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND NETWORK SECURITY 18 (3)*, 12, 2018
- D14.** SQ Fleh, O Bayat, S Al-Azawi, ON Ucan, A systematic mapping study on touch classification, *International Journal of Computer Science and Network Security 18 (3)*, 7, 2018
- D15.** TA Mohammed, O Bayat, ON Ucan, Efficient Hybrid Multi-Objective Evolutionary Algorithm, *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND NETWORK SECURITY 18 (3)*, 19-2, 2018
- D16.** F Sardouk, AD Duru, O Bayat , Classification of Breast Cancer Using Data Mining, *American Scientific Research Journal for Engineering, Technology*, 2019
- D17.** SA Hayali, O Ucan, J Rahebi, O Bayat, Detection of Attacks on Wireless Sensor Network Using Genetic Algorithms Based on Fuzzy, *International Journal of Renewable Energy Development 8 (1)*, , 2019