

**YAKIN DOĞU ÜNİVERSİTESİ**  
**MÜHENDİSLİK FAKÜLTESİ**  
**2017 YILINDA YAPILAN YAYINLAR**

İSİM-SOYİSİM	YAYIN ADI
Doç. Dr. Melike ŞAH DİREKOĞLU	Semantic Annotation of Surveillance Videos for Abnormal Crowd Behaviour Search and Analysis
Doç. Dr. Melike ŞAH DİREKOĞLU	Abnormal Crowd Behavior Detection Using Novel Optical Flow-Based Features
Doç. Dr. Melike ŞAH DİREKOĞLU	Adaptive Game-based E-Learning using Semantic Web Technologies
Doç. Dr. Melike ŞAH DİREKOĞLU	Predicting Efficiency of Flat-Plate Solar Collector using a Fuzzy Inference System
Doç. Dr. Melike ŞAH DİREKOĞLU	Automated Software System for Checking the Structure and Format of ACM SIG Documents
Arş. Gör. John Bush IDOKO	ITM Web of Conferences. (Static and dynamic pedestrian detection algorithm for visual based driver assistive system)
Arş. Gör. John Bush IDOKO	International Journal of Advanced Computer Science and Applications. (One-Year Survival Prediction of Myocardial Infarction)
Arş. Gör. John Bush IDOKO	Springer, Cham. (Automated classification of fruits: pawpaw fruit as a case study)
Arş. Gör. John Bush IDOKO	Procedia Computer Science. (Machine learning techniques for classification of breast tissue)
Arş. Gör. John Bush IDOKO	International Journal of Advanced Computer Science and Applications. (Intelligent Classification of Liver Disorder using Fuzzy Neural System)
Öğr. Gör. Ahmet İLHAN	Diagnosis of heart disease using genetic algorithm based trained recurrent fuzzy neural networks
Öğr. Gör. Ahmet İLHAN	Brain tumor segmentation based on a new threshold approach
Öğr. Gör. Berna UZUN	Evaluating nuclear medicine imaging devices using fuzzy PROMETHEE method
Öğr. Gör. Berna UZUN	Application of Markov chain-fuzzy state to gold price
Öğr. Gör. Berna UZUN	Evaluating Cancer Treatment Alternatives using Fuzzy PROMETHEE Method
Öğr. Gör. Hamit ALTIPARMAK	The Effect of Work Safety on Stress in Nursing
Öğr. Gör. Murat ARSLAN	Robot Based Pathfinding Obstacle Detection Using Vision
Öğr. Gör. Selin ÜZELALTINBULAT	Lung Tumor Segmentation Algorithm
Öğr. Gör. Selin ÜZELALTINBULAT	Estimation of Impact of the Changes Made to the Tax Legislation to the Tax Receipts Through Fuzzy Numbers
Öğr. Gör. Yücel İNAN	9th International Conference on Theory and Application of Soft Computing, Computing with Words and Perception, ICSCCW 2017, 24-25 August 2017, Budapest, Hungary Offline signature recognition system using Artificial Neural Network Yücel Inan 1 ,Boran Şekeroğlu 2
Yrd. Doç. Dr. Besime ERİN	Navigation of Mobile Robot using Type-2 Fuzzy System
Yrd. Doç. Dr. Besime ERİN	Fuzzy Obstacle Avoidance and Navigation of Mobile Robots
Yrd. Doç. Dr. Elbrus Bashir IMANOV	Assessment of food security risk level using type 2 fuzzy system.
Yrd. Doç. Dr. Kaan UYAR	The Accessibility of Cyprus Islands' Higher Education Institution Websites
Yrd. Doç. Dr. Kaan UYAR	Diagnosis of heart disease using genetic algorithm based trained recurrent fuzzy neural networks
Yrd. Doç. Dr. Ümit İLHAN	The Accessibility of Cyprus Islands' Higher Education Institution Websites
Yrd. Doç. Dr. Ümit İLHAN	Brain tumor segmentation based on a new threshold approach

Öğr. Gör. Cemal KAVALCIOĞLU	Electromyogram (EMG) Signal Detection, Classification of EMG signals and diagnosis of Neuropathy muscle disease
Prof. Dr. Sezai Dinçer	Back diffusion of electrons in argon subjected to uniform time invariant orthogonal electric and magnetic fields
Yrd. Doç. Dr. Huseyin HACI	A Novel Precoding Technique for Non-orthogonal Multiple Access
Yrd. Doç. Dr. Huseyin HACI	Performance Study of Non-orthogonal Multiple Access (NOMA) with Triangular Successive Interference Cancellation
Yrd. Doç. Dr. Huseyin HACI	Performance of Non-orthogonal Multiple Access (NOMA) with a Novel Asynchronous Interference Cancellation Technique
Yrd. Doç. Dr. Huseyin HACI	Technology Enhanced Instruction: An Example of English Language Learning in the Context of Peace
Yrd. Doç. Dr. Ali SERENER	Use of DVB-T and DVB-S2 in telecardiology
Yrd. Doç. Dr. Erkut İNAN İŞERİ	The Accessibility of Cyprus Islands' Higher Education Institution Websites
Yrd. Doç. Dr. Parwaneh ESMAILİ	Adaptive Neuro Integral Sliding Mode Control on Synchronization of Two Robot Manipulators
Yrd. Doç. Dr. Seyedeh Fatemeh MİREKHTİARY	Gross alpha and beta exposure assessment due to intake of drinking water in Guilan, Iran
Prof. Dr. Şenol Bektaş	Attachment, ionization and excitation rates and Positive Synergism in CF31 + CF4 + Ar Gas Mixtures with Dilute CF31 Components” by M.S. Dincer, Tezcan Suleyman; Bektaş Şenol, 2017.
Prof. Dr. Şenol Bektaş	“Back diffusion of electrons in argon subjected to uniform time invariant orthogonal electric and magnetic fields”, M. S. Dincer, Samet Biricik, S. S. Tezcan, and S. Bektaş, 2017
Dr. Youssef KASSEM	A Laboratory Study of the Effects of Wide Range Temperature on the Properties of Biodiesel Produced from Various Waste Vegetable Oils
Dr. Youssef KASSEM	Prediction of biodiesel density for extended ranges of temperature and pressure using adaptive neuro-fuzzy inference system (ANFIS) and radial basis function (RBF).
Dr. Youssef KASSEM	Adaptive neuro-fuzzy inference system (ANFIS) and response surface methodology (RSM) prediction of biodiesel dynamic viscosity at 313 K
Öğr. Gör. Filiz ALSHANABLEH	Fuzzy logic model for prediction of cold filter plugging point of biodiesel from various feedstock
Prof. Dr. Mahmut Ahsen SAVAŞ	"Fuzzy Logic Model for Prediction of Cold Filter Plugging Point of Biodiesel from Various Feedstock", Procedia Computer Science, vol. 120, pp. 245-252, 2017.
Yrd. Doç. Dr. Ali EVCİL	Fuzzy logic model for prediction of cold filter plugging point of biodiesel from various feedstock
Yrd. Doç. Dr. Ali EVCİL	A comparative survey of the energy performances of dwellings across Cyprus
Yrd. Doç. Dr. Hüseyin ÇAMUR	A Laboratory Study of the Effects of Wide Range Temperature on the Properties of Biodiesel Produced from Various Waste Vegetable Oils
Yrd. Doç. Dr. Hüseyin ÇAMUR	Prediction of biodiesel density for extended ranges of temperature and pressure using adaptive neuro-fuzzy inference system (ANFIS) and radial basis function (RBF).
Yrd. Doç. Dr. Hüseyin ÇAMUR	Adaptive neuro-fuzzy inference system (ANFIS) and response surface methodology (RSM) prediction of biodiesel dynamic viscosity at 313 K
Yrd. Doç. Dr. Lida E. VAFAEİ	A comparative survey of the energy performance of dwellings across Cyprus, journal
Yrd. Doç. Dr. Lida E. VAFAEİ	Predicting efficiency of flat-plate solar collector using a fuzzy inference system
Yrd. Doç. Dr. Osman SELİM TÜRKBAS	The effect of dynamic aging on the cyclic stability of Cu73Al16Mn11 shape memory alloy
Öğr. Gör. Engin ESENEL	Adaptive neuro-fuzzy inference system (ANFIS) and response surface methodology (RSM) prediction of biodiesel dynamic viscosity at 313 K
Arş. Gör. Niyazi ŞENTÜRK	Developing an in silico analysis portal for unrevealing genomic signature of Archaic DNA that are related to modern human genetic diseases

Arş. Gör. Niyazi ŞENTÜRK	Evaluating nuclear medicine imaging devices using fuzzy PROMETHEE method
Arş. Gör. Niyazi ŞENTÜRK	Evaluating Cancer Treatment Alternatives using Fuzzy PROMETHEE Method
Doç. Dr. Fa'eq RADWAN	Anisotropy of some FCC transition metals
Doç. Dr. Fa'eq RADWAN	Anisotropy of Different Type of Alloys
Doç. Dr. Terin ADALI	Fatma Zor, Rasime Kalkan, Eda Becer, Tamer Sanlıdag, Terin Adalı, "Blood Compatibility Studies of Silk Fibroin-Polyethylene Glycol Dimethacrylate Microfibers", Journal of Biotechnology, 256S (2017) S44-S116.
Doç. Dr. Terin ADALI	Terin Adalı, Pwadubashiyi Coston Pwavodi, Emrah Guler, Kaya Süer, "Antimicrobial Activity of Chitosan Coated Silk Fibroin Micro-Fibers", Journal of Biotechnology, 256S (2017) S44-S116.
Doç. Dr. Terin ADALI	Hasan Ulaş Yavuz, Pınar Tulay, Tolga Fuatlı, Terin Adalı, "Characterization studies of Silk Fibroin-eggshell Microparticles", Journal of Biotechnology, 256S (2017) S44-S116.
Dr. Ali İŞİN	Monte Carlo simulation of PET/MR scanner and assessment of motion correction strategies
Dr. Ali İŞİN	Cardiac arrhythmia detection using deep learning
Dr. Ali İŞİN	Lie detection on pupil size by back propagation neural network
Öğr. Gör. Fatih Veysel NURÇİN	Lie detection on pupil size by back propagation neural network
Öğr. Gör. Fatih Veysel NURÇİN	Evaluating nuclear medicine imaging devices using fuzzy PROMETHEE method
Öğr. Gör. Fatih Veysel NURÇİN	Evaluating cancer treatment alternatives using Fuzzy PROMETHEE Method
Yrd. Doç. Dr. Dilber UZUN ÖZŞAHİN	GATE simulation of a high-performance stationary SPECT system for cardiac imaging
Yrd. Doç. Dr. Dilber UZUN ÖZŞAHİN	Light transport in PET scintillator detectors fabricated using laser induced optical barriers
Yrd. Doç. Dr. Dilber UZUN ÖZŞAHİN	Scintillator-based Photon Counting Detector: is it feasible?
Yrd. Doç. Dr. Dilber UZUN ÖZŞAHİN	Evaluating Cancer Treatment Alternatives using Fuzzy PROMETHEE Method
Yrd. Doç. Dr. Dilber UZUN ÖZŞAHİN	The Effect of Work Safety on Stress in Nursing
Yrd. Doç. Dr. Dilber UZUN ÖZŞAHİN	One-year survival prediction of myocardial infarction
Yrd. Doç. Dr. Dilber UZUN ÖZŞAHİN	Monte Carlo simulation of PET/MR scanner and assessment of motion correction strategies
Yrd. Doç. Dr. Dilber UZUN ÖZŞAHİN	GATE simulation of a new design of pinhole SPECT system for small animal brain imaging
Yrd. Doç. Dr. Dilber UZUN ÖZŞAHİN	Simulation and evaluation of a cost-effective high-performance brain PET scanner.
Yrd. Doç. Dr. Dilber UZUN ÖZŞAHİN	Breast cancer image classification using artificial neural networks
Yrd. Doç. Dr. Dilber UZUN ÖZŞAHİN	Lie detection on pupil size by back propagation neural network
Yrd. Doç. Dr. Dilber UZUN ÖZŞAHİN	Evaluating nuclear medicine imaging devices using fuzzy PROMETHEE method
Yrd. Doç. Dr. Dilber UZUN ÖZŞAHİN	Sliding Window Based Machine Learning System for the Left Ventricle Localization in MR Cardiac Images
Yrd. Doç. Dr. İlker ÖZŞAHİN	Evaluating Cancer Treatment Alternatives using Fuzzy PROMETHEE Method
Yrd. Doç. Dr. İlker ÖZŞAHİN	Simulation and evaluation of a cost-effective high-performance brain PET scanner.
Yrd. Doç. Dr. İlker ÖZŞAHİN	Evaluating nuclear medicine imaging devices using fuzzy PROMETHEE method
Yrd. Doç. Dr. Melis SÜMENGEN ÖZDENEFE	Production and characterization of biosurfactant from Bacillus subtilis using waste breads
Yrd. Doç. Dr. Melis SÜMENGEN ÖZDENEFE	Optimization of culture conditions for alkaline protease production from waste breads using Bacillus subtilis

Yrd. Doç. Dr. Boran ŞEKEROĞLU	Performance Evaluation of Binarization Methods for Document Images
Yrd. Doç. Dr. Hüseyin SEVAY	Evaluation of the genetic parameters for 10 common and five new ESS core autosomal STR loci in seven major geographic regions and the largest metropolitan province of Turkey
Yrd. Doç. Dr. Hüseyin SEVAY	Turkish Cypriot paternal lineages bear an autochthonous character and closest resemblance to those from neighbouring Near Eastern populations
Yrd. Doç. Dr. Perihan AYSAL ADUN	Simultaneous determination of polychlorinated biphenyls and organochlorine pesticides in fish tissue using QuEChERS method
Arş. Gör. Fulden ERGÜN	A Preliminary Framework using BPNN for Performability Modelling and Analyses of a Kerberos Server with Frequent Key Renewal
Doç. Dr. Kamil DİMİLİLER	Fuzzy Classification for Strawberry Diseases-Infection using Machine Vision and Soft-Computing Techniques
Doç. Dr. Kamil DİMİLİLER	Planning pesticides usage for herbal and animal pests based on intelligent classification system with image processing and neural networks
Doç. Dr. Kamil DİMİLİLER	A Preliminary Framework using BPNN for Performability Modelling and Analyses of a Kerberos Server
Doç. Dr. Kamil DİMİLİLER	The effectiveness of a new classification system in higher education as a new e-learning tool
Doç. Dr. Kamil DİMİLİLER	Use of Intelligent Student Mood Classification System (ISMCS) to achieve high quality in education
Doç. Dr. Kamil DİMİLİLER	Intelligent Classification System of Pest Insects Based on Image Processing and Neural Arbitration
Doç. Dr. Kamil DİMİLİLER	Vulnerability Index Assessment Using Neural Networks
Doç. Dr. Kamil DİMİLİLER	Application of Back Propagation Neural Networks on Maize Plant Detection
Doç. Dr. Kamil DİMİLİLER	Intelligent Bone Fracture Detection System
Doç. Dr. Kamil DİMİLİLER	Lung Lesion Segmentation using Gaussian Filter and Discrete Wavelet Transform
Doç. Dr. Kamil DİMİLİLER	Static and Dynamic Pedestrian Detection Algorithm for Visual Based Driver Assistive System
Yrd. Doç. Dr. Yöney KIRSAL EVER	Seamless Key Agreement Framework for Mobile-Sink in IoT Based Cloud-Centric Secured Public Safety Sensor Networks
Yrd. Doç. Dr. Yöney KIRSAL EVER	The effectiveness of a new classification system in higher education as a new e-learning tool
Yrd. Doç. Dr. Yöney KIRSAL EVER	Using simplified swarm optimization on path planning for intelligent mobile robot
Yrd. Doç. Dr. Yöney KIRSAL EVER	Lung Lesion Segmentation Using Gaussian Filter and Discrete Wavelet Transform
Yrd. Doç. Dr. Yöney KIRSAL EVER	Maturity level of cloud computing at HCT
Yrd. Doç. Dr. Yöney KIRSAL EVER	A Preliminary Framework using BPNN for Performability Modelling and Analyses of a Kerberos Server with Frequent Key Renewal
Arş. Gör. Arif ÖZYANKI	VULNERABILITY INDEX ASSESSMENT USING NEURAL NETWORKS (VIANN): A CASE STUDY OF NICOSIA, CYPRUS
Öğr. Gör. Hilmi DİNDAR	VULNERABILITY INDEX ASSESSMENT USING NEURAL NETWORKS (VIANN): A CASE STUDY OF NICOSIA, CYPRUS
Öğr. Gör. Serhat CANBOLAT	Application of multivariate statistical analysis to biomarkers in SE-Turkey crude oils
Prof. Dr. Cavit ATALAR	Messinian evaporites in the Mesaoria Basin, North Cyprus: facies and environmental interpretations
Prof. Dr. Cavit ATALAR	VULNERABILITY INDEX ASSESSMENT USING NEURAL NETWORKS (VIANN): A CASE STUDY OF NICOSIA, CYPRUS
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Yrd. Doç. Dr. Jagadeesh Babu BODAPATI	Self-assembly, optical, thermal and electrochemical properties of bis-N-benzyl perylene diimide dye
Yrd. Doç. Dr. Aydin HASSANI	Sonocatalytic degradation of ciprofloxacin using synthesized TiO <sub>2</sub> nanoparticles on montmorillonite
Yrd. Doç. Dr. Aydin HASSANI	Degradation of mixture of three pharmaceuticals by photocatalytic ozonation in the presence of TiO <sub>2</sub> /montmorillonite nanocomposite: Simultaneous determination and intermediates identification
Prof. Dr. Ayşe Günay Kibarar	Multifunctional PP-Based Nanocomposites Incorporated with Organoclays, poly(MA- alt -1-dodecene)- g -SiO <sub>2</sub> Nanoparticles and Bioengineering Polyesters in Melt by Reactive Extrusion
Prof. Dr. Ayşe Günay Kibarar	EPDM Elastomer and Biothermoplastic Polyester-based Silicate-layered Multifunctional Nanocomposites Incorporated with Poly(MA- alt - $\alpha$ -olefin)- g -APTS-SiO <sub>2</sub> NPs and PP- g -MA by Reactive Extrusion Nanotechnology
Yrd. Doç. Dr. Süleyman AŞIR	Dopamine-imprinted monolithic column for capillary electrochromatography