

# Prof. NECAATTİN BARIŞCI

## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: AAU-9854-2020

ScopusID: 56038499500

Yoksis Researcher ID: 46283

## Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Elektronik Bilgisayar Eğitimi (Dr), Turkey 2000 - 2005

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Elektronik Bilgisayar Eğitimi (YI) (Tezli), Turkey 1999 - 2000

Undergraduate, Gazi University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, Turkey 1990 - 1994

## Dissertations

Doctorate, Kardiyak doppler işaretlerinin yapay sinir ağı ve NEFCLASS ile sınıflandırılması, Gazi University, Fen Bilimleri Enstitüsü, Elektronik Bilgisayar Eğitimi (Dr), 2005

Postgraduate, Kardiyak doppler sinyallerine hızlı fourier dönüşümü analizi uygulayarak elde edilen sonuçların bulanık mantık ile değerlendirilmesi, Gazi University, Fen Bilimleri Enstitüsü, Elektronik Bilgisayar Eğitimi (YI) (Tezli), 2000

## Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Fuzzy Sets and Systems, Pattern Recognition and Image Processing, Neural Networks, Programming Languages

## Academic Titles / Tasks

Professor, Gazi University, Teknoloji Fakültesi, Bilgisayar Mühendisliği, 2020 - Continues

Associate Professor, Gazi University, Teknoloji Fakültesi, Bilgisayar Mühendisliği, 2014 - 2020

Associate Professor, Kirikkale University, Faculty Of Engineering, Department Of Computer Engineering, 2010 - 2014

Assistant Professor, Kirikkale University, Faculty Of Engineering, Department Of Computer Engineering, 2008 - 2010

Assistant Professor, Kirikkale University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, 2007 - 2008

Lecturer, Kirikkale University, Faculty Of Engineering, Department Of Computer Engineering, 2005 - 2007

Research Assistant, Gazi University, Teknik Eğitim Fakültesi, Elektronik ve Bilgisayar Eğitimi, 1999 - 2005

## Academic and Administrative Experience

Deputy Head of Department, Gazi University, Teknoloji Fakültesi, Bilgisayar Mühendisliği Bölümü, 2018 - 2021

Kirikkale University, Enformatik Bölümü, 2011 - 2014

Kirikkale University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2010 - 2014

## Courses

Derin Sinir Ağları ve Uygulamaları, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Veritabanı Yönetim Sistemleri, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Yapay Zekaya Giriş, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

NESNESEL BİLGİ SİS. TAS. (YL)(UZAKTAN EĞİTİM), Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Web Programlama, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

## Advising Theses

Barişçi N., Detection of fake face images using convolutional neural networks, Postgraduate, E.ŞAFAK(Student), 2023

Barişçi N., Detecting diabetic retinopathy by deep learning Yazar:ABDÜSSAMED ERCİYAS, Doctorate,

A.ERCİYAS(Student), 2022

Barişçi N., SEGMENTATION OF DEEP LEARNING-BASED PROSTATE IMAGES, Doctorate, H.ÖCAL(Student), 2022

BARIŞÇI N., Image Captioning With Convolutional And Recurrent Neural Networks, Postgraduate, T.KUNT(Student), 2021

Barişçi N., Lüy M., Böbrek tümörlerinin derin öğrenme yoluyla segmentasyonu, Doctorate, F.TÜRK(Student), 2021

BARIŞÇI N., Development Of Output Correction Methodology For Turkish Speech Recognition And Design Of A Recurrent Neural Network, Doctorate, R.SİNAN(Student), 2020

BARIŞÇI N., Denial Of Service Attack Detection Using Machine Learning Techniques, Postgraduate, E.DOĞRU(Student), 2020

BARIŞÇI N., Detection Of Object In Remote Sensing Images Using Deep Learning, Doctorate, A.KÖREZ(Student), 2020

BARIŞÇI N., Analysing Data In Social Networks By Using Artificial Intelligence, Postgraduate, T.JAVADI(Student), 2019

BARIŞÇI N., Service Oriented Architecture And Fuzzy Logic Based University Information System, Postgraduate,

H.ALİ(Student), 2019

BARIŞÇI N., Siber savunma alanında yapay zekâ tabanlı saldırı tespiti ve analizi, Postgraduate, B.AYTAN(Student), 2019

BARIŞÇI N., Comparison Of Different Machine Learning Techniques In Predicting The Price Movement Of Borsa Istanbul Stock Market, Postgraduate, T.Ziyadoğlu(Student), 2018

BARIŞÇI N., Comparison of different machine learning techniques in predicting the price movement of Borsa Istanbul Stock Market, Postgraduate, T.ZİYADOĞLU(Student), 2018

BARIŞÇI N., Yapay zeka ile yazılım efor tahmini, Postgraduate, B.ŞEREF(Student), 2015

BARIŞÇI N., Bulanık mantık kullanılarak PLC ile hidrolik pres pistonunun konum kontrolü, Postgraduate, Ö.BOYACI(Student), 2015

BARIŞÇI N., Öğrenci performansının veri madenciliği ile belirlenmesi, Postgraduate, S.ÖZARSLAN(Student), 2014

BARIŞÇI N., Elektronik belge yönetim sistemi analizi: Yapay zeka tabanlı örnek bir uygulama, Postgraduate, A.ON(Student), 2014

BARIŞÇI N., Yapay zekâ teknikleri ile hastaların koroner anjiyografi gerekliliğinin tahmini, Postgraduate, H.AKBULUT(Student), 2013

BARIŞÇI N., Yapay sinir ağı yöntemleriyle hipertansiyon teşhis sistemi geliştirilmesi, Postgraduate, F.TÜRK(Student), 2012

BARIŞÇI N., Veri madenciliğinin nefroloji alanına uygulanması, Postgraduate, Y.KÖKVER(Student), 2012

BARIŞÇI N., Kardiyak doppler işaretlerinin bulanık kümeleme ile sınıflandırılması, Postgraduate, N.BAYRAKCI(Student), 2009

## Jury Memberships

Doctorate, Doctorate, Gazi Üniversitesi, February, 2023

Doctorate, Doctorate, Gazi Üniversitesi, February, 2023

Doctorate, Doctorate, Gazi Üniversitesi, February, 2023

Post Graduate, Post Graduate, Gazi Üniversitesi, February, 2023

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Afyon Kocatepe Üniversitesi, January, 2023

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Türk Hava Kurumu Üniversitesi, January, 2023

Associate Professor Exam, Associate Professor Exam, Adana Alparslan Türkeş Bilim Ve Teknoloji Üniversitesi, January, 2023

Associate Professor Exam, Associate Professor Exam, Fırat Üniversitesi, January, 2023

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Beykent Üniversitesi, September, 2022

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Selçuk Üniversitesi, August, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Kırıkkale Üniversitesi, February, 2022

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Gazi University, December, 2021

Doctorate, Doctorate, Gazi Üniversitesi, November, 2021

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Sivas Bilim Ve Teknoloji Üniversitesi, October, 2021

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Osmaniye Korkut Ata Üniversitesi, September, 2021

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Kastamonu Üniversitesi, July, 2021

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Gazi Üniversitesi, January, 2021

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Gazi Üniversitesi, January, 2021

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Gazi Üniversitesi, November, 2020

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Kırıkkale Üniversitesi, November, 2020

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Kırıkkale Üniversitesi, July, 2020

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Kırşehir Ahi Evran Üniversitesi, July, 2020

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Kırıkkale Üniversitesi, July, 2020

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

### I. A review on deep learning applications with semantics

Akdemir E., BARIŞCI N.

Expert Systems with Applications, vol.251, 2024 (SCI-Expanded)

### II. A meta-analysis on diabetic retinopathy and deep learning applications

Erciyas A., BARIŞCI N.

Multimedia Tools and Applications, vol.83, no.19, pp.57429-57448, 2024 (SCI-Expanded)

- III. **Detection of fake face images using lightweight convolutional neural networks with stacking ensemble learning method**  
Şafak E., BARIŞCI N.  
PeerJ Computer Science, vol.10, 2024 (SCI-Expanded)
- IV. **Improving detection and classification of diabetic retinopathy using CUDA and Mask RCNN**  
Erciyas A., Barışçı N., Ünver H. M., Polat H.  
SIGNAL IMAGE AND VIDEO PROCESSING, vol.17, pp.1265-1273, 2023 (SCI-Expanded)
- V. **Real-time fire and smoke detection for mobile devices using deep learning**  
Safak E., BARIŞCI N.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.38, no.4, pp.2179-2190, 2023 (SCI-Expanded)
- VI. **Malware detection using image-based features and machine learning methods Görüntü tabanlı özelliklerden ve makine öğrenmesi yöntemlerinden faydalanılarak kötücül yazılım tespiti**  
Güngör A., DOĞRU İ. A., BARIŞCI N., TOKLU S.  
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.38, no.3, pp.1781-1792, 2023 (SCI-Expanded)
- VII. **Optimization of indoor thermal comfort values with fuzzy logic and genetic algorithm**  
Balci S. G., Ersöz S., Lüy M., Türker A. K., BARIŞCI N.  
Journal of Intelligent and Fuzzy Systems, vol.45, no.2, pp.2305-2317, 2023 (SCI-Expanded)
- VIII. **Integrated Distributed Energy Resources (DER) and Microgrids: Modeling and Optimization of DERs**  
Twaisan K., Barışçı N.  
ELECTRONICS, vol.11, no.18, 2022 (SCI-Expanded)
- IX. **A novel prostate segmentation method: triple fusion model with hybrid loss**  
Ocal H., BARIŞCI N.  
NEURAL COMPUTING & APPLICATIONS, vol.34, no.16, pp.13559-13574, 2022 (SCI-Expanded)
- X. **Prostate Segmentation via Dynamic Fusion Model**  
Ocal H., BARIŞCI N.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.47, no.8, pp.10211-10224, 2022 (SCI-Expanded)
- XI. **A Novel Approach to Skin Lesion Segmentation: Multipath Fusion Model with Fusion Loss**  
Alhudhaif A., Ocal H., Barışçı N., Atacak İ., Nour M., Polat K.  
Computational and Mathematical Methods in Medicine, vol.2022, 2022 (SCI-Expanded)
- XII. **Kidney Tumor Segmentation Using Two-Stage Bottleneck Block Architecture**  
Turk F., LÜY M., BARIŞCI N., YALÇINKAYA F.  
INTELLIGENT AUTOMATION AND SOFT COMPUTING, vol.33, no.1, pp.349-363, 2022 (SCI-Expanded)
- XIII. **IoT based mobile driver drowsiness detection using deep learning**  
Safak E., DOĞRU İ. A., BARIŞCI N., TOKLU S.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.37, no.4, pp.1869-1881, 2022 (SCI-Expanded)
- XIV. **Determining the Location of Tibial Fracture of Dog and Cat Using Hybridized Mask R-CNN Architecture**  
Baydan B., Barisci N., ÜNVER H. M.  
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.27, no.3, pp.347-353, 2021 (SCI-Expanded)
- XV. **An Effective Method for Detecting and Classifying Diabetic Retinopathy Lesions Based on Deep Learning**  
Erciyas A., BARIŞCI N.  
Computational and Mathematical Methods in Medicine, vol.2021, 2021 (SCI-Expanded)
- XVI. **Detecting and correcting automatic speech recognition errors with a new model**  
Arslan R. S., Barışçı N., Arıcı N., Kocer S.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.29, no.5, pp.2298-2311, 2021 (SCI-Expanded)

- XVII. **Kidney and Renal Tumor Segmentation Using a Hybrid V-Net-Based Model**  
Turk F., LÜY M., BARIŞCI N.  
MATHEMATICS, vol.8, no.10, 2020 (SCI-Expanded)
- XVIII. **Weighted Ensemble Object Detection with Optimized Coefficients for Remote Sensing Images**  
Korez A., BARIŞCI N., ÇETİN A., ERGÜN U.  
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.9, no.6, 2020 (SCI-Expanded)
- XIX. **Object Detection with Low Capacity GPU Systems Using Improved Faster R-CNN**  
Korez A., BARIŞCI N.  
APPLIED SCIENCES-BASEL, vol.10, no.1, 2020 (SCI-Expanded)
- XX. **A detailed survey of Turkish automatic speech recognition**  
Arslan R. S., BARIŞCI N.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.28, no.6, pp.3253-3269, 2020 (SCI-Expanded)
- XXI. **Development of Output Correction Methodology for Long Short Term Memory-Based Speech Recognition**  
Arslan R. S., BARIŞCI N.  
SUSTAINABILITY, vol.11, no.15, 2019 (SCI-Expanded)
- XXII. **Permission-Based Malware Detection System for Android Using Machine Learning Techniques**  
Arslan R. S., DOĞRU İ. A., BARIŞCI N.  
INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING, vol.29, no.1, pp.43-61, 2019 (SCI-Expanded)
- XXIII. **Short-Term Fuzzy Load Forecasting Model Using Genetic-Fuzzy and Ant Colony-Fuzzy Knowledge Base Optimization**  
LÜY M., ATEŞ V., BARIŞCI N., POLAT H., ÇAM E.  
APPLIED SCIENCES-BASEL, vol.8, no.6, 2018 (SCI-Expanded)
- XXIV. **AN INVENTORY CLASSIFICATION APPROACH COMBINING EXPERT SYSTEMS, CLUSTERING, AND FUZZY LOGIC WITH THE ABC METHOD, AND AN APPLICATION**  
Aktepe A., Ersoz S., Turker A. K., BARIŞCI N., Dalgic A.  
SOUTH AFRICAN JOURNAL OF INDUSTRIAL ENGINEERING, vol.29, no.1, pp.49-62, 2018 (SCI-Expanded)
- XXV. **Effects on Load-Frequency Control of a Solar Power System with a Two-Area Interconnected Thermal Power Plant and its Control with a New BFA Algorithm**  
CİVELEK Z., GÖREL G., Luy M., BARIŞCI N., Cam E.  
ELEKTRONIKA IR ELEKTROTEHNIKA, vol.24, no.6, pp.3-10, 2018 (SCI-Expanded)
- XXVI. **Control of Pitch Angle of Wind Turbine by Fuzzy Pid Controller**  
CİVELEK Z., LÜY M., ÇAM E., BARIŞCI N.  
INTELLIGENT AUTOMATION AND SOFT COMPUTING, vol.22, no.3, pp.463-471, 2016 (SCI-Expanded)
- XXVII. **Comparison of Multi Layer Perceptron and Jordan Elman Neural Networks for Diagnosis of Hypertension**  
Turk F., BARIŞCI N., Ciftci A., Ekmekci Y.  
INTELLIGENT AUTOMATION AND SOFT COMPUTING, vol.21, no.1, pp.123-134, 2015 (SCI-Expanded)
- XXVIII. **The adaptive ARMA analysis of EMG signals**  
BARIŞCI N.  
JOURNAL OF MEDICAL SYSTEMS, vol.32, no.1, pp.43-50, 2008 (SCI-Expanded)
- XXIX. **Application of an adaptive neuro-fuzzy inference system for classification of Behcet disease using the fast Fourier transform method**  
BARIŞCI N., Hardalac F.  
EXPERT SYSTEMS, vol.24, no.2, pp.123-130, 2007 (SCI-Expanded)
- XXX. **Classification of aorta insufficiency and stenosis using neuro-fuzzy system**  
BARIŞCI N., Topal E., Hardalaç F., GÜLER İ.  
Journal of Medical Systems, vol.29, no.2, pp.155-165, 2005 (SCI-Expanded)
- XXXI. **Classification of aorta insufficiency and stenosis using MLP neural network and Neuro-fuzzy system**

- Hardalac F., BARIŞCI N., Ergun U.  
PHYSICA MEDICA-EUROPEAN JOURNAL OF MEDICAL PHYSICS, vol.20, no.4, pp.155-165, 2004 (SCI-Expanded)
- XXXII. **Classification of aorta doppler signals using variable coded-hierarchical genetic fuzzy system**  
Guler İ., Hardalac F., Ergun E., BARIŞCI N.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.26, no.3, pp.321-333, 2004 (SCI-Expanded)
- XXXIII. **Application of FFT analyzed cardiac Doppler signals to fuzzy algorithm**  
Guler İ., Hardalac F., BARIŞCI N.  
COMPUTERS IN BIOLOGY AND MEDICINE, vol.32, no.6, pp.435-444, 2002 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Derin Öğrenme İle Beyin Tümör Segmentasyonu**  
TAŞDEMİR B., BARIŞCI N.  
INTERNATIONAL JOURNAL OF INFORMATICS TECHNOLOGIES, vol.17, 2024 (Peer-Reviewed Journal)
- II. **Ontoloji-Based Generalized Zero-Shot Learning with Generative Networks**  
Akdemir E., BARIŞCI N.  
Gazi Mühendislik Bilimleri Dergisi, vol.10, no.1, pp.183-192, 2024 (Peer-Reviewed Journal)
- III. **Detection of Rice Plant Diseases Based on Deep Transfer Learning**  
BARIŞCI N., GÜLLÜ M., DOĞRU İ. A.  
Gazi Mühendislik Bilimleri Dergisi, 2023 (Peer-Reviewed Journal)
- IV. **Hafif Evrişimsel Sinir Ağları Kullanılarak Sahte Yüz Görüntülerinin Tespiti**  
ŞAFAK E., BARIŞCI N.  
El-Çezeri Journal of Science and Engineering, vol.9, pp.1282-1289, 2022 (Scopus)
- V. **Machine Learning-Based Comparative Study For Heart Disease Prediction**  
Güllü M., Akcayol M. A., Barışci N.  
Advances in Artificial Intelligence Research, vol.2, no.2, pp.51-58, 2022 (Peer-Reviewed Journal)
- VI. **A Survey on Lip-Reading with Deep Learning**  
ERBEY A., BARIŞCI N.  
Uluslararası Mühendislik Araştırma ve Geliştirme Dergisi, 2022 (Peer-Reviewed Journal)
- VII. **Tüketici Fiyat Endeksi (TÜFE) Hesaplamasında Yapay Zeka Kullanan Çalışmaların İncelenmesi**  
ON A., BARIŞCI N.  
Uluslararası Muhendislik Arastirma ve Gelistirme Dergisi, vol.14, 2022 (Peer-Reviewed Journal)
- VIII. **Renal Segmentation Using an Improved U-Net3D Model**  
TÜRK F., LÜY M., BARIŞCI N.  
JOURNAL OF MEDICAL IMAGING AND HEALTH INFORMATICS, vol.11, 2021 (Peer-Reviewed Journal)
- IX. **3D kidney and tumor segmentation with Multi Depth V-Net model**  
TÜRK F., LÜY M., BARIŞCI N.  
Uluslararası Muhendislik Arastirma ve Gelistirme Dergisi, vol.12, no.3, pp.35-41, 2020 (Peer-Reviewed Journal)
- X. **Machine Learning of Kidney Tumors and Diagnosis and Classification by Deep Learning Methods**  
TÜRK F., LÜY M., BARIŞCI N.  
Uluslararası Muhendislik Arastirma ve Gelistirme Dergisi, vol.11, no.3, pp.802-812, 2019 (Peer-Reviewed Journal)
- XI. **Internet of Things in Smart and Conventional Wearable Healthcare Devices**  
Ocal H., DOĞRU İ. A., BARIŞCI N.  
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.22, no.3, pp.695-714, 2019 (ESCI)
- XII. **A Study of Development of Standardised M2M Service Platform Using Restful Architecture**  
POLAT H., OYUCU S., BARIŞCI N.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.2, pp.472-487, 2018 (ESCI)
- XIII. **Permisson Comparison Based Malware Detection System for Android Mobile Applications**  
Arslan R. S., DOĞRU İ. A., BARIŞCI N.  
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.20, no.1, pp.175-189, 2017 (ESCI)

- XIV. **Android Mobil Uygulamalar için İzin Karşılaştırma Tabanlı Kötücül Yazılım Tespiti**  
ARSLAN R. S., DOĞRU İ. A., BARIŞCI N.  
Politeknik Dergisi, vol.20, no.1, pp.175-189, 2017 (Peer-Reviewed Journal)
- XV. **HİPERTANS YONA ETKİ EDEN FAKTÖRLERİN VERİ MADENCİLİĞİ YÖNTEMLERİYLE İNCELENMESİ**  
KÖKVER Y., BARIŞCI N., ÇİFTÇİ A., YAKUP E.  
E-Journal of New World Sciences Academy, vol.9, no.2, 2014 (Peer-Reviewed Journal)
- XVI. **Levenberg Marquardt Lm Ve Resilient Backpropagation Rbp Yapay Sinir Ağı Algoritmalarının Kırşehir İli Rüzgâr Hızı Tahmininde Uygulanması Ve Karşılaştırılması**  
ESRA Z., LÜY M., ÇAM E., BARIŞCI N.  
International Refereed Journal of Engineering And Sciences, vol.2, no.1, pp.27-37, 2014 (Peer-Reviewed Journal)
- XVII. **Software Effort Estimation Using Multilayer Perceptron and Adaptive Neuro Fuzzy Inference System**  
ŞEREF B., BARIŞCI N.  
International Journal of Innovation, Management and Technology, 2014 (Peer-Reviewed Journal)
- XVIII. **Examination of the Effects of Degeneration on Vertebral Artery by Using Neural Network in Cases With Cervical Spondylosis**  
ÖZDEMİR H., BERİLGİN M. S., SERHATLIOĞLU S., POLAT H., ERGÜN U., BARIŞCI N., HARDALAÇ F.  
Journal Of Medical Systems, vol.29, no.2, pp.91-101, 2005 (Scopus)
- XIX. **Classification of MCA Stenosis in Diabetes by MLP and RBF Neural Network**  
ERGÜN U., BARIŞCI N., A TEVFİK O., SERHATLIOĞLU S., OĞUR E., HARDALAÇ F., GÜLER İ.  
Journal of Medical Systems, no.28, pp.475, 2004 (Scopus)
- XX. **The examination of the effects of obesity on a number of arteries and body mass index by using expert systems**  
HARDALAÇ F., OZAN A., BARIŞCI N., ERGÜN U., SERHATLIOĞLU S., GÜLER İ.  
Journal of Medical Systems, no.28, pp.129, 2004 (Scopus)
- XXI. **Web Based Telemedicine Remote Auscultation System on the Internet Turkish Journal of Telecommunications**  
HARDALAÇ F., POLAT H., BARIŞCI N., ERGÜN U.  
Turkish Journal of Telecommunications, vol.1, no.1, pp.33-39, 2002 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Bölüm 4: Veri Tabanı Yönetim Sistemleri**  
Barişçi N.  
in: Sağlık Kurumlarında Bilgi Sistemleri, Ali YILMAZ, Editor, Anadolu Yayınları, Eskişehir, pp.78-106, 2013

## Refereed Congress / Symposium Publications in Proceedings

- I. **CLASSIFICATION OF PLANT DISEASES WITH DEEP LEARNING**  
ÜNAL ÇAYIR E., BARIŞCI N.  
MAS 19th INTERNATIONAL EUROPEAN CONFERENCE ON MATHEMATICS, ENGINEERING, NATURAL & MEDICAL SCIENCES, Mingencevir, Azerbaijan, 17 - 18 April 2024
- II. **CHOOSING HYPER PARAMETERS FOR SHORT-TERM PRICE PREDICTION WITH BITCOIN IN DEEP LEARNING**  
MOĞOL M. A., BARIŞCI N.  
EUROASIA INTERNATIONAL CONGRESS ON SCIENTIFIC RESEARCH AND RECENT TRENDS-XI, Nevşehir, Turkey, 22 June 2023
- III. **Dynamic Image Scaling for Imbalanced Brain MRI Dataset**  
TAŞDEMİR B., BARIŞCI N.  
INTERNATIONAL CONFERENCE ON GLOBAL PRACTICE OF MULTIDISCIPLINARY SCIENTIFIC STUDIES-IV, Cyprus

(Kktc), 28 April 2023

- IV. **CELL DETECTION AND COUNTING WITH U-NET AND V-NET ARCHITECTURES IN MICROSCOPIC CELL IMAGES**  
SÖZEN Z., BARIŞCI N.  
ÇANKAYA INTERNATIONAL CONGRESS ON SCIENTIFIC RESEARCH, Ankara, Turkey, 10 April 2023
- V. **Gri Kurt Optimizasyon Algoritması ve Derin Sinir Ağı Hibrit Yaklaşımı ile Android Kötücül Yazılım Sınıflandırma**  
GÜLLÜ M., BARIŞCI N.  
30th Signal Processing and Communications Applications Conference (SIU), Safranbolu, Turkey, 15 May 2022
- VI. **Image Captioning in Turkish Language**  
KUNT T., BARIŞCI N.  
International Conference on Advanced Materials Science Engineering and High Tech Devices Applications, 2 - 04 October 2020, pp.106-107
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- XIII. **Categorization of Claims and Complaints from Mavimasa (Bluetable) Social Network Address by Using Machine Learning**  
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- XV. **İnsansız Hava aracı (İHA) Görüntülerindeki Nesnelerin Kapsül Ağları Kullanılarak Sınıflandırılması**  
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- XVII. **İnsansız Hava Aracı (İHA) Görüntülerindeki Yayaların Faster R-CNN Algoritması ile Otomatik Tespiti**  
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- XXI. **Emotional Twitter Analysis**  
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- XXIV. **Prediction of BIST100 index using technical analysis and machine learning techniques**  
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- XXV. **SERVİS YÖNELİMLİ MİMARİ TABANLI ÜNİVERSİTE BİLGİ SİSTEMİ**  
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## Supported Projects

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## Scientific Refereeing

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## **Metrics**

Publication: 92  
Citation (WoS): 253  
Citation (Scopus): 414  
H-Index (WoS): 10  
H-Index (Scopus): 12

## **Non Academic Experience**

Milli Eğitim Bakanlığı