

# Prof. HIDIR SELÇUK NOĞAY

## Personal Information

**Email:** hsnogay@uludag.edu.tr

**Web:** <https://avesis.uludag.edu.tr/hsnogay>

## International Researcher IDs

ScholarID: -gQAYicAAAAJ

ORCID: 0000-0001-9105-508X

Publons / Web Of Science ResearcherID: ABD-2783-2020

ScopusID: 26659242400

Yoksis Researcher ID: 101289

## Education Information

Post Doctorate, The Ohio State University, Mathematical Bioscience Institute, United States Of America 2018 - 2020

Doctorate, Marmara University, Institute For Graduate Studies İn Pure And Applied Sciences, Department Of Electrical Education, Turkey 2002 - 2008

Postgraduate, Marmara University, Institute For Graduate Studies İn Pure And Applied Sciences, Department Of Electrical Education, Turkey 1999 - 2002

Undergraduate, Kocaeli University, Teknik Eğitim Fakültesi, Elektrik Eğitimi, Turkey 1994 - 1999

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, Üç fazlı kafesli asenkron motorlarda toplam harmonik distorsiyonunun yapay sinir ağları yöntemi kullanılarak saptanması, Marmara University, Institute For Graduate Studies İn Pure And Applied Sciences, Department Of Electrical Education, 2008

## Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Neural Networks, Biomedical Engineering, Electrical and Electronics Engineering, Energy, Power System Analysis, Renewable energy, Electrical Machine Theory and Design, Electric Motor Drivers, Power Apparatus (transformers,reactors,switchgear,etc.), Power Quality

## Academic Titles / Tasks

Professor, Bursa Uludağ University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2024 - Continues

Professor, Bursa Uludağ University, TEKNİK BİLİMLER MYO, ELEKTRİK VE ENERJİ, 2022 - Continues

Professor, Kayseri University, Mustafa Çıkrıkçoğlu Meslek Yüksekokulu, Elektrik Ve Enerji Bölümü, 2018 - 2021

Professor, Erciyes University, Mustafa Çıkrıkçoğlu M.Y.O., Elektrik Ve Enerji Bölümü, 2017 - 2018

Associate Professor, Erciyes University, Mustafa Çıkrıkçiođlu M.Y.O., Elektrik Ve Enerji Bölümü, 2015 - 2017  
Associate Professor, Kırklareli University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, 2011 - 2015  
Assistant Professor, Kırklareli University, Faculty Of Technical Education, Department Of Electric Education, 2009 - 2011  
Research Assistant, Marmara University, Faculty Of Technical Education, Electric Education, 1999 - 2009

## Academic and Administrative Experience

Head of Department, Bursa Uludađ University, Teknik Bilimler Myo, Mülkiyet Koruma Ve Güvenlik, 2022 - Continues  
Head of Department, Kayseri University, Mustafa Çıkrıkçiođlu Meslek Yüksekokulu, Elektrik Ve Enerji Bölümü, 2020 - 2022  
Head of Department, Erciyes University, Mustafa Çıkrıkçiođlu M.Y.O., Elektrik Ve Enerji Bölümü, 2017 - 2018  
Head of Department, Erciyes University, Mustafa Çıkrıkçiođlu M.Y.O., Tekstil-Giyim, Ayakkabı Ve Deri , 2015 - 2017  
Vice Dean, Kırklareli University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, 2013 - 2014  
Farabi Program Institutional Coordinator, Kırklareli University, 2010 - 2014  
Head of Department, Kırklareli University, Lüleburgaz Vocational School, Department Of Chemistry And Chemical Processing Technology, 2010 - 2013  
Director of Vocational School, Kırklareli University, Lüleburgaz Vocational School, 2009 - 2013  
Head of Department, Kırklareli University, Lüleburgaz Vocational School, Department Of Electricity And Energy, 2009 - 2013

## Courses

Temel Elektrik, Associate Degree, 2023 - 2024, 2022 - 2023  
Özel Tesisat, Associate Degree, 2023 - 2024, 2022 - 2023  
Yüksek Gerilim Tekniđi, Undergraduate, 2023 - 2024, 2022 - 2023  
Özel Tesisat, Associate Degree, 2023 - 2024, 2022 - 2023  
Trafo ve Doğru Akım Makinaları, Associate Degree, 2023 - 2024, 2022 - 2023  
Yüksek Gerilim Tekniđi, Undergraduate, 2023 - 2024, 2022 - 2023  
Trafo ve Doğru Akım Makinaları, Associate Degree, 2023 - 2024, 2022 - 2023  
Arıza Analizi, Associate Degree, 2023 - 2024, 2022 - 2023  
Alternatif Akım Devre Analizi, Associate Degree, 2022 - 2023  
Tesisat Bilgisi, Associate Degree, 2023 - 2024, 2022 - 2023  
Asenkron ve Senkron Makinalar, Associate Degree, 2023 - 2024, 2022 - 2023  
Elektromekanik Kumanda Devreleri, Associate Degree, 2023 - 2024, 2022 - 2023  
Kariyer Planlama, Associate Degree, 2023 - 2024, 2022 - 2023  
Tesisat Bilgisi, Associate Degree, 2023 - 2024, 2022 - 2023  
Asenkron ve Senkron Makinalar, Associate Degree, 2023 - 2024, 2022 - 2023  
Arıza Analizi, Associate Degree, 2023 - 2024, 2022 - 2023  
Temel Elektrik-Elektronik, Associate Degree, 2023 - 2024, 2022 - 2023  
Yenilenebilir Enerjide Yapay Zeka Uygulamaları, Postgraduate, 2021 - 2022  
Evrişimsel Sinir Ağları, Postgraduate, 2021 - 2022

## Jury Memberships

Associate Professor Exam, Associate Professor Exam, Bursa Uludađ Üniversitesi, December, 2023  
Associate Professor Exam, Associate Professor Exam, Bursa Uludađ Üniversitesi, November, 2023

Associate Professor Exam, Associate Professor Exam, İstanbul Üniversitesi-Cerrahpaşa, July, 2023  
Associate Professor Exam, Associate Professor Exam, Bursa Uludağ Üniversitesi, May, 2023  
Associate Professor Exam, Associate Professor Exam, Bursa Uludağ Üniversitesi, December, 2022  
Associate Professor Exam, Associate Professor Exam, Bursa Uludağ Üniversitesi, December, 2022  
Associate Professor Exam, Associate Professor Exam, Bursa Uludağ Üniversitesi, May, 2022

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

- I. **Multiple Classification of Brain MRI Autism Spectrum Disorder by Age and Gender Using Deep Learning**  
Noğay H. S., Adeli H.  
JOURNAL OF MEDICAL SYSTEMS, vol.48, no.15, pp.1-12, 2024 (SCI-Expanded)
- II. **Diagnosis of Chaotic Ferroresonance Phenomena Using Deep Learning**  
Noğay H. S., Akıncı T. Ç., Akbaş İ., Tokic A.  
IEEE ACCESS, vol.0, no.0, 2023 (SCI-Expanded)
- III. **Forecasting of voltage disturbances at the beginning of ferroresonance phenomena in power systems using by a new approach of long-short term memory (LSTM): LSTM for Ferroresonance in power systems**  
Noğay H. S.  
JOURNAL OF ENGINEERING RESEARCH, vol.11, pp.297-306, 2023 (SCI-Expanded)
- IV. **Diagnostic of autism spectrum disorder based on structural brain MRI images using, grid search optimization, and convolutional neural networks**  
Noğay H. S., Adeli H.  
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, vol.79, no.2, pp.1-10, 2023 (SCI-Expanded)
- V. **Estimating the aggregated available capacity for vehicle to grid services using deep learning and Nonlinear Autoregressive Neural Network**  
Noğay H. S.  
SUSTAINABLE ENERGY GRIDS & NETWORKS, vol.29, 2022 (SCI-Expanded)
- VI. **Detection of invisible cracks in ceramic materials using by pre-trained deep convolutional neural network**  
Noğay H. S., Akıncı T. Ç., Yılmaz M.  
NEURAL COMPUTING & APPLICATIONS, vol.34, no.2, pp.1423-1432, 2022 (SCI-Expanded)
- VII. **Comparative Experimental Investigation of Deep Convolutional Neural Networks for Latent Fingerprint Pattern Classification**  
Noğay H. S.  
TRAITEMENT DU SIGNAL, vol.38, no.5, pp.1319-1326, 2021 (SCI-Expanded)
- VIII. **Deep convolutional neural networks for automatic coil pitches detection systems in induction motors**  
Noğay H. S.  
JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS, vol.72, no.3, pp.198-202, 2021 (SCI-Expanded)
- IX. **Classification of operation cases in electric arc welding machine by using deep convolutional neural networks**  
Noğay H. S., Akıncı T. Ç.  
NEURAL COMPUTING & APPLICATIONS, vol.33, no.12, pp.6657-6670, 2021 (SCI-Expanded)
- X. **Detection of Epileptic Seizure Using Pretrained Deep Convolutional Neural Network and Transfer Learning**  
Noğay H. S., Adeli H.  
EUROPEAN NEUROLOGY, vol.83, no.6, pp.602-614, 2021 (SCI-Expanded)
- XI. **Machine learning (ML) for the diagnosis of autism spectrum disorder (ASD) using brain imaging**

Noğay H. S., Adeli H.

REVIEWS IN THE NEUROSCIENCES, vol.31, no.8, pp.825-841, 2020 (SCI-Expanded)

- XII. **The defect detection in ceramic materials based on wavelet analysis by using the method of impulse noise**  
Akgün Ö., Akıncı T. Ç., Nogay H. S., Seker S.  
JOURNAL OF VIBROENGINEERING, vol.15, no.2, pp.816-823, 2013 (SCI-Expanded)
- XIII. **Determination of Wind Energy Potential in Kirklareli-Turkey**  
Ersoz S., Akıncı T. Ç., Nogay H. S., Dogan G.  
INTERNATIONAL JOURNAL OF GREEN ENERGY, vol.10, no.1, pp.103-116, 2013 (SCI-Expanded)
- XIV. **Application of wavelet transform to defect detection of building's structure**  
Volkovas V., Eidukeviciute M., Nogay H. S., Akıncı T. Ç.  
MECHANIKA, vol.18, no.6, pp.683-690, 2012 (SCI-Expanded)
- XV. **Application of artificial neural networks for short term wind speed forecasting in Mardin, Turkey**  
Nogay H. S., Akıncı T. Ç., Eidukeviciute M.  
JOURNAL OF ENERGY IN SOUTHERN AFRICA, vol.23, no.4, pp.2-7, 2012 (SCI-Expanded)
- XVI. **Wind Speed Correlation Between Neighboring Measuring Stations**  
Akıncı T. Ç., Nogay H. S.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.37, no.4, pp.1007-1019, 2012 (SCI-Expanded)
- XVII. **Determination of effect of slot form on slot leakage flux at rotating electrical machines by the method of artificial neural networks**  
Nogay H. S., Akıncı T. Ç., Guseinoviene E.  
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.29, no.1, pp.451-462, 2012 (SCI-Expanded)
- XVIII. **Speed Estimation of Brushless Direct Current (BLDC) Motor with Multilayer Perceptron**  
Serteller N. F. O., Bektas Y., Nogay S., Akıncı T. Ç.  
PRZEGLAD ELEKTROTECHNICZNY, vol.88, no.9A, pp.255-260, 2012 (SCI-Expanded)
- XIX. **Long term wind speed estimation for a randomly selected time interval by using artificial neural networks, Amasra, Turkey**  
Nogay H. S., Akıncı T. Ç.  
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.28, no.2, pp.759-772, 2012 (SCI-Expanded)
- XX. **ENVIRONMENTAL ASSESSMENT OF WIND ENERGY CONVERSION SYSTEMS IN TURKEY**  
Kocabay S., Nogay S., Fidan C. B., Dursun B., Gorgulu S., Gokcol C., Akıncı T. Ç., Aykut E.  
JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, vol.13, no.1, pp.307-318, 2012 (SCI-Expanded)
- XXI. **Application of Artificial Neural Networks for Defect Detection in Ceramic Materials**  
Akıncı T. Ç., Nogay H. S., Yılmaz Ö.  
ARCHIVES OF ACOUSTICS, vol.37, no.3, pp.279-286, 2012 (SCI-Expanded)
- XXII. **A proposal for visually handicapped students to use electrical control laboratory**  
Nogay H. S., Akıncı T. Ç.  
JOURNAL OF VIBROENGINEERING, vol.13, no.2, pp.245-252, 2011 (SCI-Expanded)
- XXIII. **Determination of optimum operation cases in electric arc welding machine using neural network**  
Akıncı T. Ç., Nogay H. S., Gökmen G.  
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.25, no.4, pp.1003-1010, 2011 (SCI-Expanded)
- XXIV. **Prediction of internal temperature in stator winding of three-phase induction motors with ann**  
Nogay H. S.  
EUROPEAN TRANSACTIONS ON ELECTRICAL POWER, vol.21, no.1, pp.120-128, 2011 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Estimation of Survival According to Body Mass Index (BMI), Hypertension, Diabetes and Heart**

## **Disease with Optimizable Decision Trees**

Noğay N. H., Noğay H. S.

Balkan Journal of Electrical and Computer Engineering, vol.10, pp.47-52, 2022 (Peer-Reviewed Journal)

- II. **Derin evrişimli sinir ağı modellerinin açık kaynak kodlu yazılım platformlarında tasarımının değerlendirilmesi**  
Noğay H. S., Akıncı T. Ç., Şeker Ş. S.  
İstanbul Sabahattin Zaim Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.3, no.1, pp.94-98, 2021 (Peer-Reviewed Journal)
- III. **Özgür ve Açık Kaynak Kodlu Yazılım Platformlarının Uygulamalı Yapay Zeka Eğitimlerine Katkısı**  
Noğay H. S., Akıncı T. Ç., Şeker Ş. S.  
İstanbul Sabahattin Zaim Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.3, no.1, pp.11-14, 2021 (Peer-Reviewed Journal)
- IV. **Comparative Experimental Investigation and Application of Five Classic Pre-Trained Deep Convolutional Neural Networks via Transfer Learning for Diagnosis of Breast Cancer**  
Noğay H. S., Akıncı T. Ç., Yılmaz M.  
ADVANCES IN SCIENCE AND TECHNOLOGY-RESEARCH JOURNAL, vol.15, no.3, pp.1-8, 2021 (ESCI)
- V. **Prediction of post-treatment survival expectancy in head neck cancers by machine learning methods**  
Noğay H. S.  
The Journal of Cognitive Systems, vol.1, no.5, pp.23-34, 2020 (Peer-Reviewed Journal)
- VI. **APPLICATION OF DECISION TREE METHODS FOR WIND SPEED ESTIMATION**  
Noğay H. S., Akıncı T. Ç.  
European Journal of Technique, vol.9, no.1, pp.74-83, 2019 (Peer-Reviewed Journal)
- VII. **A Convolutional Neural Network Application For The Classification Of Lung Cancer Types**  
NOĞAY H. S., AKINCI T. Ç., ERDEMİR G.  
ACADEMIC JOURNAL INDUSTRIAL TECHNOLOGIES, vol.5, no.1, 2018 (Peer-Reviewed Journal)
- VIII. **ESTIMATION OF HEAD NECK CANCER STAGE BY USING DEEP CONVOLUTIONAL NEURAL NETWORKS**  
Noğay H. S., Akıncı T. Ç., Erdemir G.  
Industrial Technologies, vol.5, no.1, pp.13-19, 2018 (Peer-Reviewed Journal)
- IX. **A Convolutional Neural Network Application for Predicting the Locating of Squamous Cell Carcinoma in the Lung**  
Noğay H. S., Akıncı T. Ç.  
Balkan Journal of Electrical and Computer Engineering, vol.6, no.3, pp.207-210, 2018 (Peer-Reviewed Journal)
- X. **Artificial Neural Network Based Solution of Inverse and Forward Kinematics of Six - Axis Robotic Arm**  
Noğay H. S., Akıncı T. Ç., Şeker Ş. S.  
Industrial Technologies, vol.14, no.1, pp.7-12, 2017 (Peer-Reviewed Journal)
- XI. **Accelerating the Transition to Nuclear Energy Systems in Turkey**  
NOĞAY H. S.  
Kırklareli University Journal of Engineering and Science, vol.2, no.2, 2017 (Peer-Reviewed Journal)
- XII. **Cascaded Neural Network for Internal Temperature Forecasting in Induction Motor**  
Noğay H. S.  
World Academy of Science, Engineering and Technology International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering, vol.11, no.2, pp.406-412, 2017 (Peer-Reviewed Journal)
- XIII. **Deep Convolutional Neural Networks To Detect Lung Cancer Stage**  
Noğay H. S.  
The Journal of Cognitive Systems, vol.2, no.2, pp.33-36, 2017 (Peer-Reviewed Journal)
- XIV. **Yapay Sinir Ağları Yardımı ile Yeraltısularında SAR tahmini**  
Arkoç O., Akıncı T. Ç., Noğay H. S.  
JEOLUJI MUHENDISLIGI DERGISI, vol.2, no.84, 2016 (Scopus)
- XV. **Asenkron Motorda Yapay Sinir Ağları ile Durum Kestirimi**  
NOĞAY H. S.

- Electronic Journal of Vocational Colleges, vol.6, no.3, pp.41-48, 2016 (Peer-Reviewed Journal)
- XVI. **Determination Leakage Reactance in Monophase Transformers Using by Cascaded Neural Network**  
Noğay H. S.  
Balkan Journal of Electrical and Computer Engineering, vol.4, no.2, pp.89-96, 2016 (Peer-Reviewed Journal)
- XVII. **Determining Skinfold Thickness through Artificial Neural Networks**  
Noğay H. S.  
İğdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.6, no.3, pp.41-48, 2016 (Peer-Reviewed Journal)
- XVIII. **Design and Implementation of PLC-Based Monitoring Control System for Three-Phase Induction Motors Fed by PWM Inverter**  
Birbir Y., Noğay H. S.  
INTERNATIONAL JOURNAL OF SYSTEMS APPLICATIONS, ENGINEERING DEVELOPMENT, vol.2, no.3, 2008 (Peer-Reviewed Journal)
- XIX. **Voltage and Current Harmonic Variations in Three Phase Induction Motors with Different Stator Coil Pitches**  
BİR BİR Y., NOĞAY H. S.  
Int. J. Of Energy, vol.1, no.4, 2007 (Peer-Reviewed Journal)
- XX. **Application of Artificial Neural Network for Harmonic Estimation in Different Produced Induction Motors**  
NOĞAY H. S., BİR BİR Y.  
Int. J. of Circuits, Systems and Signal Processing, vol.1, no.4, pp.334-339, 2007 (Peer-Reviewed Journal)

## **Books & Book Chapters**

- I. **IMPLEMENTATION OF CONVOLUTIONAL NEURAL NETWORKS IN ELECTRICAL MACHINES**  
NOĞAY H. S.  
in: International Research in Engineering Sciences X, SOYGÜDER SERVET, Editor, EĞİTİM YAYINEVİ, Konya, pp.26-39, 2024
- II. **APPLICATION OF CONVOLUTIONAL NEURAL NETWORKS IN POWER TRANSMISSION LINES**  
NOĞAY H. S.  
in: International Research in Engineering Sciences X, SOYGÜDER SERVET, Editor, EĞİTİM YAYINEVİ, Konya, pp.1-26, 2024

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **EFFICIENT SKIN CANCER DIAGNOSIS VIA CNN-BASED BINARY CLASSIFICATION OF DERMATOLOGICAL IMAGES**  
NOĞAY H. S.  
7th INTERNATIONAL CONGRESS ON ENGINEERING SCIENCES AND MULTIDISCIPLINARY APPROACHES, İstanbul, Turkey, 25 - 26 May 2024, pp.227-235
- II. **DEEP LEARNING-BASED CLASSIFICATION OF URBAN AIR POLLUTION INTO SIX CATEGORIES WITH HIGH ACCURACY**  
NOĞAY H. S.  
3rd&nbsp;INTERNATIONAL CONGRESS ON ENGINEERING AND SCIENCES, İstanbul, Turkey, 10 - 11 May 2024, pp.82-88
- III. **AUTOMATED DETECTION OF DUSTY SOLAR PANELS USING PRE-TRAINED CONVOLUTIONAL NEURAL NETWORKS**  
NOĞAY H. S.  
3rd&nbsp;INTERNATIONAL CONGRESS ON ENGINEERING AND SCIENCES, İstanbul, Turkey, 10 - 11 May 2024, pp.97-104

- IV. DEEP LEARNING APPLICATION FOR MULTIPLE FAULT DETECTION IN THREE-PHASE INDUCTION MOTORS**  
NOĀAY H. S.  
7th INTERNATIONAL CONGRESS ON ENGINEERING SCIENCES AND MULTIDISCIPLINARY APPROACHES, İstanbul, Turkey, 25 - 26 May 2024, pp.236-243
- V. CLASSIFICATION OF BONE FRACTURES INTO THREE MAIN CLASSES USING CONVOLUTIONAL NEURAL NETWORKS**  
NOĀAY H. S.  
3rd&nbsp;INTERNATIONAL CONGRESS ON ENGINEERING AND SCIENCES, İstanbul, Turkey, 10 - 11 May 2024, pp.89-96
- VI. BRAIN TUMOR CLASSIFICATION BY USING DEEP LEARNING**  
NOĀAY H. S.  
10th INTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT, İstanbul, Turkey, 14 - 15 October 2023
- VII. BREAST CANCER DIAGNOSIS BY USING DEEP LEARNING**  
NOĀAY H. S.  
10th INTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT, İstanbul, Turkey, 14 - 15 October 2023, pp.231-237
- VIII. AUTOMATIC CLASSIFICATION OF POLES IN ENERGY TRANSMISSION LINES WITH DEEP LEARNING**  
NoĀay H. S.  
9 INTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT, İstanbul, Turkey, 29 April - 01 May 2023, pp.124-132
- IX. AUTOMATIC CLASSIFICATION OF HIGH VOLTAGE BREAKERS WITH DEEP LEARNING**  
NoĀay H. S.  
9 INTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT, İstanbul, Turkey, 29 April - 01 May 2023, pp.174-181
- X. DETECTION OF FAULTY ISOLATORS IN ENERGY TRANSMISSION LINE BY USING CONVOLUTIONAL NEURAL NETWORKS**  
NoĀay H. S.  
5th INTERNATIONAL CONGRESS ON ENGINEERING SCIENCES AND MULTIDISCIPLINARY APPROACHES, İstanbul, Turkey, 25 - 26 February 2023, pp.282-287
- XI. CLASSIFICATION OF ENERGY TRANSMISSION LINE CABLES BY USING DEEP LEARNING**  
NoĀay H. S.  
5th INTERNATIONAL CONGRESS ON ENGINEERING SCIENCES AND MULTIDISCIPLINARY APPROACHES, İstanbul, Turkey, 25 - 26 February 2023, pp.276-281
- XII. DETECTION OF STATOR WINDING FAULTS IN ROTARY ELECTRIC MACHINES BY USING DEEP LEARNING**  
NoĀay H. S.  
5th INTERNATIONAL CONGRESS ON ENGINEERING SCIENCES AND MULTIDISCIPLINARY APPROACHES, İstanbul, Turkey, 25 - 26 February 2023, pp.288-293
- XIII. DETERMINATION OF WINDING TYPE ACCORDING TO LEAKAGES IN MONOPHASE VOLTAGE TRANSFORMERS WITH SUPPORT VECTOR MACHINES**  
NOĀAY H. S.  
9 th INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, İstanbul, Turkey, 14 May 2022, pp.1043-1050
- XIV. CLASSIFICATION OF GROOVE SHAPE IN ROTARY ELECTRIC MACHINES WITH CONVOLUTIONAL NEURAL NETWORK**  
NoĀay H. S.  
9 th INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, İstanbul, Turkey, 14 May 2022, pp.1050-1059
- XV. SPECIES DETECTION OF ROTARY ELECTRIC MACHINES WITH DEEP LEARNING FROM APPEARANCES**

- Noğay H. S.  
7 th INTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT, 16 April 2022, pp.488-495
- XVI. **SUPPORT VECTOR MACHINES FOR STATOR GROOVE SHAPE DETECTION IN ROTARY ELECTRIC MACHINES**  
Noğay H. S.  
7 th INTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT, 16 April 2022, pp.480-488
- XVII. **MACHINE LEARNING IMPLEMENTATIONS FOR LEAKAGES IN MONOPHASE TRANSFORMERS WITH TWO LAYERED CYLINDRICAL COIL FORM**  
Noğay H. S.  
7 th INTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT, İstanbul, Turkey, 16 April 2022, pp.474-480
- XVIII. **A DEEP CONVOLUTIONAL NEURAL NETWORK APPLICATION FOR COVID-19 DIAGNOSIS FROM X-RAY IMAGES**  
Noğay H. S.  
3rd International Congress on Engineering Sciences and Multidisciplinary Approaches, İstanbul, Turkey, 10 - 11 February 2022, pp.544-552
- XIX. **AUTISM DIAGNOSIS WITH DEEP LEARNING MODEL TRAINED WITH FACE IMAGES**  
Noğay H. S.  
3rd International Congress on Engineering Sciences and Multidisciplinary Approaches, İstanbul, Turkey, 10 February 2022, pp.552-558
- XX. **CLASSIFICATION OF THE COIL PITCHES OF INDUCTION MOTORS USING KNN MODEL**  
Noğay H. S.  
1. ULUSLARARASI MÜHENDİSLİK BİLİMLERİ VE MULTİDİSİPLİNER YAKLAŞIMLAR KONGRESİ, İstanbul, Turkey, 23 February 2021, pp.80-86
- XXI. **PREDICTION OF SWITCHING FREQUENCY OF THE SPWM INVERTER FEEDING THE INDUCTION MOTOR USING BY DECISION TREES METHOD**  
Noğay H. S.  
1. ULUSLARARASI MÜHENDİSLİK BİLİMLERİ VE MULTİDİSİPLİNER YAKLAŞIMLAR KONGRESİ, İstanbul, Turkey, 23 February 2021, pp.85-97
- XXII. **K-NEAREST NEIGHBOR CLASSIFIER (KNN) FOR STATOR WINDING SLOT FORM IN INDUCTION MOTORS**  
Noğay H. S.  
6. ULUSLARARASI MUHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 17 December 2020, pp.675-685
- XXIII. **PREDICTION OF COIL PITCHES ANGLES IN SQUIRREL CAGE INDUCTION MOTORS USING BY SUPPORT VECTOR MACHINES**  
Noğay H. S.  
6. ULUSLARARASI MUHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 17 December 2020, pp.693-701
- XXIV. **ESTIMATION OF OVERLOAD STAGES IN INDUCTION MOTORS USING BY DISCRIMINANT ANALYSIS (DA)**  
Noğay H. S.  
6. ULUSLARARASI MUHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 17 December 2020, pp.685-693
- XXV. **A Study about Reliability Assessment of Power System**  
Önal Ş. E., Akıncı T. Ç., Şeker Ş. S., Noğay H. S.  
BdKCSE'xx2017 International Conference on 7-8 December 2017, Sofia, Bulgaria Big Data, Knowledge and Control Systems Engineering, Sofija, Bulgaria, 7 - 08 December 2017, pp.4-13
- XXVI. **A Survey in Deep Convolutional Neural Networks for Diagnosis of Diseases**  
Noğay H. S., Akıncı T. Ç., Önal Ş. E.  
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