

# Prof. ENES YIĞİT

## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: JFJ-3503-2023

Yoksis Researcher ID: 16823

## Education Information

Post Doctorate, The University of Texas at Arlington, Engineering Faculty, Department of Electrical Engineering, United States Of America 2014 - 2015

Doctorate, Mersin University, Institute Of Science, Elektrik Elektronik Mühendisliği, Turkey 2008 - 2013

Postgraduate, Mersin University, Institute Of Science, Elektrik Elektronik Mühendisliği, Turkey 2004 - 2007

Undergraduate, Mersin University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey 2000 - 2004

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, Yer üstü platformlara monte edilebilecek sentetik açıklıklı radar sistemi oluşturulması ve gerçek karasal radar görüntülerinin elde edilmesi, Mersin University, Institute Of Science, Elektrik Elektronik Mühendisliği, 2013

Postgraduate, Elektromagnetik alan ölçümleriyle yeraltındaki nesnelerin tespit edilmesi ve yere nüfuz eden radar (YNR) görüntülerinin elde edilmesi, Mersin University, Institute Of Science, Elektrik Elektronik Mühendisliği, 2007

## Research Areas

Wave Propagation and Remote Sensing, Electromagnetic Waves, Antennas and Propagation

## Academic Titles / Tasks

Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ, 2023 - Continues

Associate Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ, 2021 - 2023

Associate Professor, Karamanoglu Mehmetbey University, Faculty Of Engineering, Department Of Electrical And

Electronics Engineering, 2018 - 2021

Assistant Professor, Karamanoglu Mehmetbey University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, 2015 - 2018

Lecturer, Mersin University, Technical Sciences Vocational School, Department Of Electricity And Energy, 2007 - 2014

Research Assistant, Mersin University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, 2004 - 2007

## Academic and Administrative Experience

Head of Department, Bursa Uludağ University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2023 - Continues

## Courses

Yüksek Lisans Tez Danışmanlığı, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Mühendislik Tasarımı II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Doktora Tez Danışmanlığı, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Mühendislik Tasarımı II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Yüksek Lisans Uzmanlık Alan Dersi, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Seminer, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Seminer, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Doktora Uzmanlık Alan Dersi, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022

İleri Radar Görüntüleme Teknikleri, Doctorate, 2022 - 2023

İş sağlığı ve güvenliği, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Radar Görüntüleme Temelleri, Undergraduate, 2022 - 2023

Mekatronik Uygulamalarda Optimizasyon Teknikleri, Postgraduate, 2023 - 2024, 2022 - 2023

Doğadan Esinlenen Optimizasyon Algoritmaları, Undergraduate, 2023 - 2024, 2022 - 2023

Radar Görüntüleme Temelleri, Undergraduate, 2022 - 2023

Radar Uzaktan Algılama Teknikleri, Doctorate, 2023 - 2024, 2022 - 2023

Bitirme Projesi, Undergraduate, 2022 - 2023, 2021 - 2022

Mühendislik Tasarımı I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Doğadan Esinlenen Optimizasyon Algoritmaları, Postgraduate, 2023 - 2024

Mühendislik Tasarımı I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Seminer, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Bitirme Projesi, Undergraduate, 2022 - 2023, 2021 - 2022

Elektromanyetik Uzaktan Algılama Teknikleri, Postgraduate, 2022 - 2023

Doğadan Esinlenen Optimizasyon Algoritmaları, Undergraduate, 2023 - 2024, 2022 - 2023

İş sağlığı ve Güvenliği, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Bitirme Projesi Hazırlık, Undergraduate, 2022 - 2023, 2021 - 2022

Biyomedikal Teknolojiler ve Uygulamaları, Postgraduate, 2021 - 2022

Bitirme Projesi Hazırlık, Undergraduate, 2022 - 2023, 2021 - 2022

Radar kesit alanı kestirme ve düşürme teknikleri, Doctorate, 2021 - 2022

Metasezgisel Algoritmalar, Postgraduate, 2021 - 2022

Robotiğe Giriş, Undergraduate, 2021 - 2022

Robotiğe Giriş, Undergraduate, 2021 - 2022

Yüksek Lisans Uzmanlık Alan Dersi I, Postgraduate, 2021 - 2022

Mekatronik Savunma Sistemlerine Giriş, Undergraduate, 2021 - 2022

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

- I. **Automatic recognition of different 3D soliton wave types using deep learning methods**  
Aksoy A., Yiğit E.  
NONLINEAR DYNAMICS, no.112, pp.1-14, 2024 (SCI-Expanded)
- II. **Using a Bike as a Probe Vehicle: Experimental Study to Determine Road Roughness with Piezoelectric Sensors**  
RİZELİOĞLU M., ARSLAN T., YİĞİT E., Yazıcı M.  
JOURNAL OF INFRASTRUCTURE SYSTEMS, vol.30, no.3, 2024 (SCI-Expanded)
- III. **Detection of moisture of flowing grain with a novel deep learning structure using 2D spectrogram data**  
YİĞİT E., AKSOY A., Duysak H., İşiker H.  
Computers and Electronics in Agriculture, vol.224, 2024 (SCI-Expanded)
- IV. **A machine learning approach for the estimation of photocatalytic activity of ALD ZnO thin films on fabric substrates**  
AKYILDIZ H. İ., YİĞİT E., Arat A. B., Islam S.  
Journal of Photochemistry and Photobiology A: Chemistry, vol.448, 2024 (SCI-Expanded)
- V. **Automatic soliton wave recognition using deep learning algorithms**  
Aksoy A., Yiğit E.  
CHAOS SOLITONS & FRACTALS, vol.174, 2023 (SCI-Expanded)
- VI. **Estimation of rain parameters for microwave backscattering model using PSO**  
Ermis S., YİĞİT E.  
Atmospheric Research, vol.288, 2023 (SCI-Expanded)
- VII. **Conical Differential Range Based Back-Projection Algorithm for Concealed Object Detection with Three-Dimensional mmW Imaging**  
Duysak H., YİĞİT E., Seyfi L.  
TRAITEMENT DU SIGNAL, vol.39, no.6, pp.1981-1989, 2022 (SCI-Expanded)
- VIII. **ANN-based estimation of MEMS diaphragm response: An application for three leaf clover diaphragm based Fabry-Perot interferometer**  
Yiğit E., Hayber Ş. E., Aydemir U.  
Measurement: Journal of the International Measurement Confederation, vol.199, 2022 (SCI-Expanded)
- IX. **Determination of Flowing Grain Moisture Contents by Machine Learning Algorithms Using Free Space Measurement Data**  
YİĞİT E., DUYSAK H.  
IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, vol.71, 2022 (SCI-Expanded)
- X. **Automatic Detection of Power Quality Disturbance Using Convolutional Neural Network Structure with Gated Recurrent Unit**  
Yiğit E., Özkaya U., Öztürk Ş., Singh D., Gritli H.  
Mobile Information Systems, vol.0, no.0, pp.1-11, 2021 (SCI-Expanded)
- XI. **Efficient multitask learning analyses on grain silo measurement**  
Ozkaya U., Duysak H., YİĞİT E.  
JOURNAL OF APPLIED REMOTE SENSING, vol.15, no.3, 2021 (SCI-Expanded)
- XII. **Hybrid nanoparticles embedded polyvinyl butyral nanocomposites for improved mechanical, thermal and microwave absorption performance**  
Akman E., Sönmezoğlu S., Yiğit E., Eskizeybek V., Avcı A.  
Journal Of Composite Materials, vol.0, no.0, pp.1-14, 2021 (SCI-Expanded)
- XIII. **Comparative Regression Analysis for Estimating Resonant Frequency of C-Like Patch Antennas**  
Ozkaya U., Yigit E., Seyfi L., Ozturk S., Singh D.  
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2021, 2021 (SCI-Expanded)
- XIV. **Determination of the Amount of Grain in Silos With Deep Learning Methods Based on Radar Spectrogram Data**  
Duysak H., Ozkaya U., Yiğit E.

- IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, vol.70, 2021 (SCI-Expanded)
- XV. **A translational motion compensation technique for inverse synthetic aperture radar images using multi-objective particle swarm optimization algorithm**  
Yigit E.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.62, no.6, pp.2217-2225, 2020 (SCI-Expanded)
- XVI. **Machine learning based quantity measurement method for grain silos**  
Duysak H., Yigit E.  
MEASUREMENT, vol.152, 2020 (SCI-Expanded)
- XVII. **Development of an expression for the volume of off-centered conical pile inside a cylindrical silo**  
Yigit E.  
MEASUREMENT, vol.146, pp.903-911, 2019 (SCI-Expanded)
- XVIII. **Determination of Optimal Layer Sequence and Thickness for Broadband Multilayer Absorber Design Using Double-Stage Artificial Bee Colony Algorithm**  
Yigit E., Duysak H.  
IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, vol.67, no.8, pp.3306-3317, 2019 (SCI-Expanded)
- XIX. **A neurocomputational model for estimating the triple-frequency of T-shaped patch antennas**  
Yigit E., Kayabasi A., Toktas A., Sabanci K.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.61, no.6, pp.1590-1597, 2019 (SCI-Expanded)
- XX. **A Hue-domain filtering technique for enhancing spatial sampled compressed sensing-based SAR images**  
Sabanci K., Yigit E., Toktas A., Kayabasi A.  
IET RADAR SONAR AND NAVIGATION, vol.13, no.3, pp.357-367, 2019 (SCI-Expanded)
- XXI. **A study on visual features of leaves in plant identification using artificial intelligence techniques**  
Yigit E., Sabanci K., Toktas A., Kayabasi A.  
COMPUTERS AND ELECTRONICS IN AGRICULTURE, vol.156, pp.369-377, 2019 (SCI-Expanded)
- XXII. **A novel compressed sensing based quantity measurement method for grain silos**  
Yigit E.  
COMPUTERS AND ELECTRONICS IN AGRICULTURE, vol.145, pp.179-186, 2018 (SCI-Expanded)
- XXIII. **Triangular quad-port multi-polarized UWB MIMO antenna with enhanced isolation using neutralization ring**  
Kayabasi A., Toktas A., Yigit E., Sabanci K.  
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.85, pp.47-53, 2018 (SCI-Expanded)
- XXIV. **AUTOMATIC CLASSIFICATION OF AGRICULTURAL GRAINS: COMPARISON OF NEURAL NETWORKS**  
Kayabasi A., Toktas A., Sabanci K., Yigit E.  
NEURAL NETWORK WORLD, vol.28, no.3, pp.213-224, 2018 (SCI-Expanded)
- XXV. **CFAR based morphological filter design to remove clutter from GB-SAR images: An application to real data**  
Toktas A., Yigit E., Sabanci K., Kayabasi A.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.59, no.10, pp.2685-2692, 2017 (SCI-Expanded)
- XXVI. **NOTCH ANTENNA ANALYSIS: AN EXPRESSION FOR CALCULATION OF THE OPERATING FREQUENCY**  
Toktas A., Kayabasi A., Sabanci K., Yigit E.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.59, no.6, pp.1309-1313, 2017 (SCI-Expanded)
- XXVII. **Notch Antenna Analysis: Artificial Neural Network-based Operating Frequency Estimator**  
Sabanci K., Kayabasi A., Toktas A., Yigit E.  
APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, vol.32, no.4, pp.303-309, 2017 (SCI-Expanded)
- XXVIII. **WIDE-FIELD CIRCULAR SAR IMAGING: AN EMPIRICAL ASSESSMENT OF LAYOVER EFFECTS**  
Demirci S., Yigit E., Ozdemir C.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.57, no.2, pp.489-497, 2015 (SCI-Expanded)

- XXIX. **Compressed Sensing for Millimeter-wave Ground Based SAR/ISAR Imaging**  
Yigit E.  
JOURNAL OF INFRARED MILLIMETER AND TERAHERTZ WAVES, vol.35, no.11, pp.932-948, 2014 (SCI-Expanded)
- XXX. **A Review on Migration Methods in B-Scan Ground Penetrating Radar Imaging**  
Ozdemir C., Demirci S., Yigit E., Yilmaz B.  
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2014, 2014 (SCI-Expanded)
- XXXI. **Short-range ground-based synthetic aperture radar imaging: performance comparison between frequency-wavenumber migration and back-projection algorithms**  
Yigit E., Demirci S., Ozdemir C., Tekbas M.  
JOURNAL OF APPLIED REMOTE SENSING, vol.7, 2013 (SCI-Expanded)
- XXXII. **Millimeter-wave Ground-based Synthetic Aperture Radar Imaging for Foreign Object Debris Detection: Experimental Studies at Short Ranges**  
Yigit E., Demirci S., Unal A., Ozdemir C., Vertiy A.  
JOURNAL OF INFRARED MILLIMETER AND TERAHERTZ WAVES, vol.33, no.12, pp.1227-1238, 2012 (SCI-Expanded)
- XXXIII. **Ground penetrating radar imaging of water leaks from buried pipes based on back-projection method**  
Demirci S., Yigit E., Eskidmir I. H., Ozdemir C.  
NDT & E INTERNATIONAL, pp.35-42, 2012 (SCI-Expanded)
- XXXIV. **A STUDY ON MILLIMETER-WAVE IMAGING OF CONCEALED OBJECTS: APPLICATION USING BACK-PROJECTION ALGORITHM**  
Demirci S., Cetinkaya H., Yigit E., Ozdemir C., Vertiy A.  
PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER, vol.128, pp.457-477, 2012 (SCI-Expanded)
- XXXV. **Clutter reduction in synthetic aperture radar images with statistical modeling: An application to mstar data**  
Demirci S., Ozdemir C., Akdagli A., Yigit E.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.50, no.6, pp.1514-1520, 2008 (SCI-Expanded)
- XXXVI. **A synthetic aperture radar-based focusing algorithm for B-SCAN ground penetrating radar imagery**  
Yigit E., Demirci S., Ozdemir C., Kavak A.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.49, no.10, pp.2534-2540, 2007 (SCI-Expanded)
- XXXVII. **A hyperbolic summation method to focus B-scan ground penetrating radar images: An experimental study with a stepped frequency system**  
Ozdemir C., Demirci S., Yigit E., Kavak A.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.49, no.3, pp.671-676, 2007 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Clutter removal in millimeter wave GB-SAR images using OTSU's thresholding method**  
Yigit E., Demirci E., ÖZDEMİR C.  
INTERNATIONAL JOURNAL OF ENGINEERING AND GEOSCIENCES, vol.7, no.1, pp.43-48, 2022 (ESCI)
- II. **Investigation of the Performance of Different Wavelet-Based Fusions of SAR and Optical Images Using Sentinel-1 and Sentinel-2 Datasets**  
Duysak H., Yiğit E.  
INTERNATIONAL JOURNAL OF ENGINEERING AND GEOSCIENCES, vol.7, no.1, pp.81-90, 2022 (ESCI)
- III. **FULLY OPTIMIZED MULTILAYER RADAR ABSORBER DESIGN USING MULTI-OBJECTIVE ABC ALGORITHM**  
Yiğit E., Duysak H.  
INTERNATIONAL JOURNAL OF ENGINEERING AND GEOSCIENCES, vol.6, no.3, pp.136-145, 2021 (ESCI)
- IV. **Grain Surface Classification via Machine Learning Methods**  
Duysak H., Özkaya U., Yiğit E.

- Avrupa Bilim ve Teknoloji Dergisi, vol.1, no.1, pp.54-59, 2020 (Peer-Reviewed Journal)
- V. **Enhancement of Near Field GB-SAR Image Quality Using Beamwidth Filter**  
Yiğit E., Özkaya U., Öztürk Ş.  
Avrupa Bilim ve Teknoloji Dergisi, vol.1, no.1, pp.480-487, 2020 (Peer-Reviewed Journal)
- VI. **FUSED DEEP FEATURES BASED CLASSIFICATION FRAMEWORK FOR COVID-19 CLASSIFICATION WITH OPTIMIZED MLP**  
Öztürk Ş., Yiğit E., Özkaya U.  
SELCUK UNIVERSITY JOURNAL OF ENGINEERING, SCIENCE AND TECHNOLOGY, vol.8, pp.15-27, 2020 (Peer-Reviewed Journal)
- VII. **Comparison of the synthetic aperture radar imaging algorithms**  
Yiğit E.  
Turkey remote sensing journal, vol.1, no.1, pp.1-7, 2019 (Peer-Reviewed Journal)
- VIII. **Operating Frequency Estimation of Slot Antenna by Using Adapted kNN Algorithm**  
Yiğit E.  
International Journal of Intelligent Systems and Applications in Engineering, vol.6, no.1, pp.29-32, 2018 (Peer-Reviewed Journal)
- IX. **ANN-BASED CLASSIFIER TRAINED BY BAYESIAN REGULARIZATION FOR WHEAT GRAINS THROUGH COLOUR FEATURE**  
Kayabaşı A., Yıldız B., Sabancı K., Yiğit E., Toktaş A., Tekbaş M.  
International Journal of Environmental Trends (IJENT), vol.1, no.1, pp.46-53, 2017 (Peer-Reviewed Journal)
- X. **A COMPARATIVE CLASSIFICATION OF WHEAT GRAINS FOR ARTIFICIAL NEURAL NETWORK AND EXTREME LEARNING MACHINE**  
Sabancı K., Aslan M. F., Yiğit E., Kayabaşı A., Toktaş A., Duysak H.  
International Journal of Environmental Trends (IJENT), vol.1, no.1, pp.14-21, 2017 (Peer-Reviewed Journal)
- XI. **YAYILIMLI RADAR İLE TAHİL SİLOLARINDA SEVİYE ÖLÇÜMÜ İÇİN YENİ VE PRATİK BİR YÖNTEM**  
YİĞİT E.  
Uludağ University Journal of The Faculty of Engineering, vol.22, no.2, pp.65-74, 2017 (Peer-Reviewed Journal)
- XII. **Microstrip fed Triangular UWB Microstrip Antenna Based on DGS**  
Toktaş A., Yerlikaya M., Yiğit E.  
International Journal of Applied Mathematics, Electronics and Computers, vol.1, no.1, pp.43-47, 2016 (Peer-Reviewed Journal)
- XIII. **Practical Algorithms to Focus B Scan GPR Images Theory and Application to Real Data**  
Özdemir C., Demirci Ş., Yiğit E.  
PROGRESS IN ELECTROMAGNETICS RESEARCH B, vol.6, pp.109-122, 2008 (Scopus)

## **Books & Book Chapters**

- I. **Design of Multilayer Radar Absorber Using Grey Wolf Optimization Algorithm**  
ATICI Ş., YİĞİT E., ÖZKAYA U.  
in: Pioneer and Contemporary Studies in Engineering, ÖZKAYA UMUT, YİĞİT ENES, Editor, Duvar Publishing, İzmir, pp.59-74, 2023
- II. **Chapter 4: Design of Multilayer Radar Absorber Using Grey Wolf Optimization Algorithm**  
Atıcı Ş., YİĞİT E., ÖZKAYA U.  
in: Pioneer and contemporary studies in engineering, Enes YİĞİT, Umut Özkaya, Editor, Duvar Publishing, Konya, pp.59-74, 2023

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

- I. **Electromagnetic Shielding Performance of Some Bayburt Stone Based Materials**

ERBAŞ U., TEKİN İ., TABAKCIOĞLU M. B., YİĞİT E.

8TH INTERNATIONAL SCIENTIFIC CONFERENCE "TELECOMMUNICATIONS, INFORMATICS, ENERGY AND MANAGEMENT" – TIEM 2023, Balıkesir, Turkey, 01 December 2023

- II. **A new method to determine international roughness index with pvd sensors utilizing tire-road interaction**  
RİZELİOĞLU M., YAZICI M., YİĞİT E., ARSLAN T.  
HAGIA SOPHIA 6.INTERNATIONAL CONFERENCE ON MULTIDISCIPLINARY SCIENTIFIC STUDIES, İstanbul, Turkey, 02 June 2023
- III. **Triple band microstrip antenna based on complementary split ring resonators for WLAN/WiMAX applications**  
Alaoui N., Kssena S., Khouloud B. A., Hiba C., Azzouz A., Daoudi S., Bouhamla L., ÖZKAYA U., YİĞİT E.  
1st International Conference on Frontiers in Academic Research, Konya, Turkey, 18 February 2023
- IV. **A Study on Estimation of Material Properties to be Synthesized for Wideband Wide-Angle MI-Ram Design**  
YİĞİT E.  
9 th international conference on materials science and nanotechnology for next generation, Ankara, Turkey, 22 September 2022
- V. **Moisture Content Estimation of Flowing Wheat Using Artificial Neural Network**  
YİĞİT E., DUYSAK H.  
1st International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 10 - 13 May 2022
- VI. **UAV Design capable of Autonomous Flight with 2D Mapping in Indoor Environments**  
Kadirhan R., Moral K., YİĞİT E.  
1st International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 10 - 13 May 2022
- VII. **Support Vector Regression Method for Deflection and Frequency Analysis of Center Embossed Diaphragms**  
Durmaz A., AYDEMİR U., HAYBER Ş. E., YİĞİT E.  
1st International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 10 May 2022
- VIII. **DERİN ÖĞRENME İLE TAHİL AYIKLAMA**  
Kaya A., Çelik C. A., ÖZKAYA U., YİĞİT E.  
1st International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 10 May 2022
- IX. **Machine Learning-Based Estimation of Static and Dynamic Pressure Responses of Specially Designed Diaphragm Based Fabry-Perot Interferometer**  
YİĞİT E., HAYBER Ş. E., AYDEMİR U., ÖZKAYA U.  
1st International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 10 May 2022
- X. **Recognizing SAR Images from ISAR Training Data**  
YİĞİT E., DEMİRCİ Ş., ÖZKAYA U.  
1st International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 01 November 2021
- XI. **Fast R-CNN based Cavity Detection by using Ground Penetrating Radar**  
ÖZKAYA U., YİĞİT E.  
1st International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 01 November 2021
- XII. **Design of Machine Learning-Powered Radar Systems in Silo Grain**  
özsoy i., Özdemir G., ÖZKAYA U., YİĞİT E., DUYSAK H.  
1st International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 01 November 2021
- XIII. **3D Printed Horn Antenna for Near field ISAR Imaging Applications**  
DUYSAK H., YİĞİT E., SEYFİ L.  
1st International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 01 November 2021
- XIV. **ANN based volume calculation of the off-centered conical pile**  
YİĞİT E., ÖZKAYA U.  
1st International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 01 November 2021
- XV. **Design of Broadband/wide-angle multilayer radar absorber using up-to-date materials**  
DUYSAK H., İŞİKER H., YİĞİT E.

3rd international BILTEK conference on science, technology current developments, 19 - 20 June 2020

- XVI. **ÇİFT AŞAMALI PARÇACIK SÜRÜ OPTİMİZASYON ALGORİTMASI İLE GENİŞ BANTLI ÇOK KATMANLI RADAR SOĞURUCU MALZEME TASARIMI**  
YİĞİT E., DUYSAK H.  
5. ULUSLARARASI MÜHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 21 - 22 December 2019
- XVII. **KARAR AĞACI ALGORİTMASI İLE SİLOLARDAKİ TAHİL MİKTARININ BELİRLENMESİ**  
DUYSAK H., YİĞİT E.  
5. ULUSLARARASI MÜHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 21 - 22 December 2019
- XVIII. **Level Measurement in Grain Silos with Extreme Learning Machine Algorithm**  
DUYSAK H., YİĞİT E.  
2019 Scientific Meeting on Electrical-Electronics Biomedical Engineering and Computer Science (EBBT), İstanbul, Turkey, Turkey, 24 - 26 April 2019
- XIX. **Thingspeak Based Monitoring IoT System for Counting People in A Library**  
SABANCI K., YİĞİT E., ÜSTÜN D., TOKTAŞ A., ÇELİK Y.  
International conference on artificial intelligence and data processing, Malatya, Turkey, 28 - 30 September 2018
- XX. **GPR Image Focusing Using Matched Filter Algorithm**  
ÜSTÜN D., YİĞİT E., TOKTAŞ A., SABANCI K., DUYSAK H.  
2018 XXIIIrd International Seminar/Workshop on Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory (DIPED), Tbilisi, Georgia, 24 - 27 September 2018
- XXI. **Grain Moisture Detection by Using A-Scan Radar Measurement**  
Yiğit E., Sabancı K., Toktaş A., Üstün D., Duysak H.  
2018 XXIIIrd International Seminar/Workshop on Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory (DIPED), Tbilisi, Georgia, 24 - 27 September 2018
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- XXXI. **A generalized formula in calculation of the resonant frequency of notch antenna**  
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- XXXII. **ANN and ELM Based Notch Antenna Operating Frequency Determination**  
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## Patent

Yiğit E., Akyıldız H. İ., İNCE FİLM KAPLAMALI ÇOK KATMANLI RADAR SOĞURUCU TEKSTİL MALZEMESİ, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2024/011165 , Standard Registration, 2024

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## Scientific Refereeing

JOURNAL OF APPLIED REMOTE SENSING, SCI Journal, October 2021

## Scientific Consultations

FLADRIW Bilişim Teknoloji A.Ş. , Project Consultancy, Bursa Uludağ University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey, 2022 - 2024

Envora AR-GE mühendislik A.Ş, Project Consultancy, Bursa Uludağ University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey, 2022 - 2024

## Metrics

Publication: 104

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H-Index (Scopus): 16

## Awards

Yiğit E., BEST PRESENTER AWARD, 3Rd International Conference On Advanced Technology & Sciences, December 2016

Yiğit E., Özdemir C., Demirci Ş., Proje Pazarı Birinciliği, Doğu Akdeniz Üniversiteler Arası Bölgesel Ar-Ge Proje Pazarı, July 2011

Yiğit E., Young Scientist Award, Ursı Commission-F 2011 , June 2011

Yiğit E., Başarılı Öğrenci Bildirisi, International Union Of Radio Science (Ursı) Türkiye 2006 3. Bilimsel Kongresi Ve 4. Ulusal Genel Kurul Toplantısı, June 2006

## Non Academic Experience

Company, Envar bilişim teknolojileri dış tic. san. ve tic. ltd. şti., Envar bilişim teknolojileri dış tic. san. ve tic. ltd. şti.

Company, Smartmer Bilişim teknolojileri, Smartmer Bilişim teknolojileri

Radartek Bilişim Teknolojileri Dış Tic. San. ve Tic. Ltd.Şti.