

## Prof. Nurhan TÜRKER TOKAN

### Personal Information

Office Phone: [+90 212 383 5921](tel:+902123835921)

Fax Phone: [+90 212 383 5702](tel:+902123835702)

Email: [nturker@yildiz.edu.tr](mailto:nturker@yildiz.edu.tr)

Other Email: [nurhanturker@gmail.com](mailto:nurhanturker@gmail.com)

Web: <https://avesis.yildiz.edu.tr/nturker>

Address: Öğrenci Görüşme Saatlerim: Perşembe, 10:00-12:00 (Randevu için [nurhanturker@gmail.com](mailto:nurhanturker@gmail.com)'a mail atabilirsiniz.)

\*\*\*\*\*

Görüşme için bağlantı linki: <https://us02web.zoom.us/j/4070146766?pwd=UzlzckxHWTFMb3NpNU9YbmdTY2EyZz09> Şifre: 1234

### International Researcher IDs

ScholarID: --EWNyMAAAAJ

Yoksis Researcher ID: 175081

### Biography

**Nurhan Türker Tokan** received her B.Sc. degree in Electronics and Communications Engineering from Kocaeli University in 2002 and her M.Sc. and Ph.D. degree in Communication Engineering from Yıldız Technical University (YTU), Istanbul, Turkey, in 2004 and 2009, respectively. From May 2003 to May 2009, she worked as a research assistant in the Electromagnetic Fields and Microwave Technique Section of the Electronics and Comm. Eng. Dept. of YTU, Istanbul, Turkey. Between May 2009 and April 2015, she worked as an assistant professor and between April 2015 and August 2021, she worked as an associate professor in the Electronics and Comm. Eng. Dept. of YTU. Since August 2020, she has been working as a professor at the same department. From October 2011 to October 2012, she was Postdoctoral researcher in the EEMCS Department of Delft University of Technology, Delft, Netherlands. From October 2012 to May 2013, she was a Postdoctoral Fellow supported by European Science Foundation at the Institute of Electronics and Telecommunications (IETR), University of Rennes 1, Rennes, France. She is the author or coauthor of more than 50 papers published in peer-reviewed international journals and conference proceedings. Her current research interests are analysis and design of antennas with emphasis on dielectric lens antennas and wideband antennas, microwave circuits and intelligent systems.

### Education Information

Doctorate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Elektronik Ve Haberleşme Müh./Haberleşme Programı, Turkey 2004 - 2009

Postgraduate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Elektronik Ve Haberleşme Müh./Haberleşme Programı, Turkey 2002 - 2004

Undergraduate, Kocaeli University, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği, Turkey 1998 - 2002

### Foreign Languages

German, B1 Intermediate

English, C1 Advanced

### Dissertations

Doctorate, Destek Vektör Makinelerinin Mikrodalga Teori Ve Tekniğindeki Uygulamaları, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Elektronik Ve Haberleşme Müh./Haberleşme Programı, 2009

Postgraduate, RF/Mikrodalga Düzlemsel İletim Hatlarının Yapay Sinir Ağı İle Analiz Ve Sentezi, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Elektronik Ve Haberleşme Müh./Haberleşme Programı, 2004

## Research Areas

Electrical and Electronics Engineering, Electronic, Microwave Circuits, Electromagnetic, Wave Propagation and Remote Sensing, Electric and Magnetic Fields, Electromagnetic Waves, Antennas and Propagation, Passive Microwave Circuits, Planar Buildings, Slow Wavy Structures, Engineering and Technology

## Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, 2020 - Continues  
Associate Professor, Yildiz Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, 2015 - 2020

Assistant Professor, Yildiz Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, 2009 - 2015

Expert, Université Rennes I, Institute Of Electronics & Telecommunications Of Rennes , Telecommunications, 2012 - 2013

Expert, Technische Universiteit Delft, Faculty Of Electrical Engineering, Mathematics And Computer Science / Applied Electromagnetism , Telecommunications, 2011 - 2012

Research Assistant, Yildiz Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, 2003 - 2009

## Academic and Administrative Experience

Vice Dean, Yildiz Technical University, Faculty Of Electrical & Electronics, 2017 - 2020

Yıldız Teknik Üniversitesi, Elektronik Ve Haberleşme Mühendisliği, Elektronik Ve Haberleşme Mühendisliği, 2016 - 2017

Yıldız Teknik Üniversitesi, Elektronik Ve Haberleşme Mühendisliği, Elektronik Ve Haberleşme Mühendisliği, 2014 - 2015

## Courses

Microwave 1, Undergraduate, 2018 - 2019

Microwave 2, Undergraduate, 2017 - 2018

Microwave 1, Undergraduate, 2017 - 2018

## Advising Theses

Türker Tokan N., Üç bantlı milimetre dalga frekans seçici yüzeylerin yapay zeka algoritmaları ile analizi ve sentezi, Postgraduate, U.ŞAHİN(Student), 2023

Türker Tokan N., Tekstil metalmalzemeler ve uygulamaları, Doctorate, E.ÇELENK(Student), 2022

Türker Tokan N., Horn anten performans parametrelerinin lens yapılarıyla iyileştirilmesi, Postgraduate, U.TURAN(Student), 2022

Türker Tokan N., Milimetre-dalga otomotiv radar antenleri, Doctorate, N.KESKİN(Student), 2022

Türker Tokan N., Substrate integrated waveguide filters for microwave applications, Postgraduate, H.K.(Student), 2021

Türker Tokan N., 5g milimetre dalga uygulamaları için üç bantlı frekans seçici yüzey tasarımı, Postgraduate, S.GÜRDAL(Student), 2021

Türker Tokan N., Elektrikli araçlarda kablosuz haberleşme sistemi uygulaması, Postgraduate, B.BİLGİN(Student), 2020

Türker Tokan N., 5G UYGULAMALARI İÇİN GELİŞMİŞ ANTEN ÇÖZÜMLERİ, Postgraduate, H.ÖZPINAR(Student), 2019

Türker Tokan N., Ekseni kaydırılmış elipsoidal reflektör antenlerin faz hatası analizleri, Postgraduate, A.DEMİRCİ(Student), 2018

Türker Tokan N., X bant frekans seçici yüzeyle radom tasarımı, Postgraduate, C.TOPCUOĞLU(Student), 2018

Türker Tokan N., Odak dışı beslemeli reflektör antenler, Postgraduate, B.SERTKAYA(Student), 2017

Türker Tokan N., Milimetre dalga frekanslarında entegre anten tasarımı ve yüzey kaplamasının anten performansına etkisi, Postgraduate, E.USTA(Student), 2017

Türker Tokan N., Dielektrik lens antenlerin geometrik optik / fizik optik yaklaşımı ile analizi, Postgraduate, B.SÖNMEZ(Student), 2015

Türker Tokan N., Otomotiv uygulamaları için dielektrik lens anten tasarımı, Postgraduate, N.TÜRKER(Student), 2014

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

### I. A Dual-polarized Reflectarray Antenna for High-speed Ka-band Satellite Communications

Gülseren A. H., Yılmaz S., Alparslan A., Türker Tokan N.

APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, vol.39, no.9, pp.762-772, 2024 (SCI-Expanded)

- II. **Dynamic frequency switching of a bandstop reconfigurable frequency selective surface with PIN diodes for C/X and Ku-band shielding applications**  
Güler C., Esen Bayer Keskin S., TÜRKER TOKAN N.  
AEU - International Journal of Electronics and Communications, vol.183, 2024 (SCI-Expanded)
- III. **Detection and classification of human respiration under building debris model using VHF/UHF waves**  
Niyaz Ö., Tüylü T., Mahouti P., Erkmen B., Tokan N. T.  
NEURAL COMPUTING AND APPLICATIONS, vol.36, pp.1-17, 2024 (SCI-Expanded)
- IV. **Dual-Band Frequency Selective Surface-Backed Reflectarray for High-Speed Ka-Band Satellites**  
Gülseren A. H., Alparslan A., TÜRKER TOKAN N.  
Applied Sciences (Switzerland), vol.14, no.7, 2024 (SCI-Expanded)
- V. **Triple band frequency selective surface design for 5G mm-wave communication with artificial neural networks**  
Şahin U., Serinken E. S., Vural R., TÜRKER TOKAN N.  
International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, vol.37, no.2, 2024 (SCI-Expanded)
- VI. **On the Performance of a Photonic Reconfigurable Electromagnetic Band Gap Antenna Array for 5G Applications**  
Elwi T. A., Taher F., Virdee B. S., Alibakhshikenari M., Zuazola I. G., Krasniqi A., Kamel A. S., TÜRKER TOKAN N., Khan S., Parchin N. O., et al.  
IEEE Access, vol.12, pp.60849-60862, 2024 (SCI-Expanded)
- VII. **Screened plasmons of graphene near a perfect electric conductor**  
Moradi A., TÜRKER TOKAN N.  
Journal of Applied Physics, vol.134, no.15, 2023 (SCI-Expanded)
- VIII. **Optical-microwave sensor for real-time measurement of water contamination in oil derivatives**  
Abdulsattar R. K., Alibakhshikenari M., Virdee B. S., Sharma R., Elwi T. A., Kouhalvandi L., Abdul Hassain Z. A., Mansoor Ali S., TÜRKER TOKAN N., Livreri P., et al.  
AEU - International Journal of Electronics and Communications, vol.170, 2023 (SCI-Expanded)
- IX. **A triple-band frequency selective surface for 5G millimeter-wave communications**  
Gürdal S., Aksimsek S., Türker Tokan N.  
Microwave and Optical Technology Letters, vol.65, no.10, pp.2697-2703, 2023 (SCI-Expanded)
- X. **Photonic controlled metasurface for intelligent antenna beam steering applications including 6G mobile communication systems**  
Muqdad Z. S., Alibakhshikenari M., Elwi T. A., Abdul Hassain Z. A., Virdee B., Sharma R., Khan S., TÜRKER TOKAN N., Livreri P., Falcone F., et al.  
AEU - International Journal of Electronics and Communications, vol.166, 2023 (SCI-Expanded)
- XI. **Magnetostatic microwaves in circular dielectric waveguide with anisotropic uniaxial  $\mu$  -negative media**  
Moradi A., TÜRKER TOKAN N.  
Applied Physics A: Materials Science and Processing, vol.129, no.3, 2023 (SCI-Expanded)
- XII. **H-plane SIW horn antenna with enhanced front-to-back ratio for 5G applications**  
Akgün Ö., Türker Tokan N.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.31, no.2, pp.249-262, 2023 (SCI-Expanded)
- XIII. **Intelligent Metasurface Layer for Direct Antenna Amplitude Modulation Scheme**  
Jwair M. H., Elwi T. A., Alibakhshikenari M., Virdee B. S., Almizan H., Abdul Hassain Z. A., Ali S. M., Kouhalvandi L., Livreri P., Türker Tokan N., et al.  
IEEE Access, vol.11, pp.77506-77517, 2023 (SCI-Expanded)
- XIV. **Magnetostatic microwaves in circular metallic waveguides filled with uniaxial negative permeability media**  
Moradi A., TÜRKER TOKAN N.  
JOURNAL OF APPLIED PHYSICS, vol.132, no.14, 2022 (SCI-Expanded)
- XV. **All-Textile On-Body Antenna for Military Applications**  
Celenk E., Türker Tokan N.  
IEEE Antennas and Wireless Propagation Letters, vol.21, pp.1065-1069, 2022 (SCI-Expanded)
- XVI. **Wide-band gain enhancement of a pyramidal horn antenna with a 3D-printed epsilon-positive and epsilon-near-zero metamaterial lens**  
Keskin N., Aksimsek S., Türker Tokan N.  
International Journal of Microwave and Wireless Technologies, vol.13, pp.1015-1023, 2021 (SCI-Expanded)
- XVII. **Frequency Scanning Conformal Sensor Based on SIW Metamaterial Antenna**  
Celenk E., Tokan N.  
IEEE Sensors Journal, vol.21, pp.16015-16023, 2021 (SCI-Expanded)
- XVIII. **A Novel Compact, Broadband, High Gain Millimeter-Wave Antenna for 5G Beam Steering Applications**

- Ozpinar H., Aksimsek S., Tokan N.  
IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, vol.69, no.3, pp.2389-2397, 2020 (SCI-Expanded)
- XIX. **Phase error analysis of displaced-axis dual reflector antenna for satellite earth stations**  
Demirci A., Sonmez N., Tokan F., Tokan N.  
AEU - International Journal of Electronics and Communications, vol.110, 2019 (SCI-Expanded)
- XX. **Design and Implementation of Frequency Selective Radome for X-Band Applications**  
Topcuoglu C., Erbas C. D., Tokan N.  
APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, vol.34, no.10, pp.1561-1567, 2019 (SCI-Expanded)
- XXI. **Effects of Surface Finish Material on Millimeter-Wave Antenna Performance**  
Usta E., Tokan N.  
IEEE TRANSACTIONS ON COMPONENTS PACKAGING AND MANUFACTURING TECHNOLOGY, vol.9, no.5, pp.815-821, 2019 (SCI-Expanded)
- XXII. **Double Lens Antennas In Millimeter-Wave Automotive Radar Sensors**  
Sönmez N., Tokan F., Tokan N.  
APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, vol.32, pp.901-907, 2017 (SCI-Expanded)
- XXIII. **Effects of Antireflective Coatings on Scanning Performance of Millimetre-Wave Lenses**  
Sönmez N., Türker Tokan N.  
IET MICROWAVES, ANTENNAS AND PROPAGATION, vol.10, no.14, pp.1485-1491, 2016 (SCI-Expanded)
- XXIV. **Additional losses in ultra-wide band reflector systems**  
Kara H., Tokan N.  
Applied Computational Electromagnetics Society Journal, vol.31, no.1, pp.32-38, 2016 (SCI-Expanded)
- XXV. **Performance of support vector regression machines on determining the magnetic characteristics of the E-core transverse flux machine**  
Turker C. G., Kuyumcu F. E., Tokan N.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.23, no.3, pp.698-708, 2015 (SCI-Expanded)
- XXVI. **The Lateral Wave Antenna**  
Tokan F., Tokan N., Neto A., Cavallo D.  
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol.62, no.6, pp.2909-2916, 2014 (SCI-Expanded)
- XXVII. **Optimization of the UWB Feed Antenna Position in Reflector Applications**  
Tokan N.  
INTERNATIONAL JOURNAL OF ANTENNAS AND PROPAGATION, 2014 (SCI-Expanded)
- XXVIII. **Comparative study on pulse distortion and phase aberration of directive ultra-wideband antennas**  
Tokan N., Neto A., Tokan F., Cavallo D.  
IET MICROWAVES ANTENNAS & PROPAGATION, vol.7, no.12, pp.1021-1026, 2013 (SCI-Expanded)
- XXIX. **Performance of Vivaldi Antennas in Reflector Feed Applications**  
TÜRKER TOKAN N.  
APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, vol.28, no.9, pp.802-808, 2013 (SCI-Expanded)
- XXX. **ROC Analysis as a Useful Tool for Performance Evaluation of Artificial Neural Networks**  
Tokan F., Yıldırım T., Türker Tokan N.  
LECTURE NOTES IN ARTIFICIAL INTELLIGENCE, vol.4132, pp.923-931, 2010 (SCI-Expanded)
- XXXI. **A competitive approach to neural device modeling support vector machines**  
Türker Tokan N., Güneş F.  
LECTURE NOTES IN ARTIFICIAL INTELLIGENCE, vol.4132, pp.974-981, 2010 (SCI-Expanded)
- XXXII. **A consensual modeling of the expert systems applied to microwave devices**  
Güneş F., Tokan N., Gürgen F.  
International Journal of RF and Microwave Computer-Aided Engineering, vol.20, no.4, pp.430-440, 2010 (SCI-Expanded)
- XXXIII. **A knowledge-based support vector synthesis of the transmission lines for use in microwave integrated circuits**  
Güneş F., Tokan N., Gürgen F.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.37, no.4, pp.3302-3309, 2010 (SCI-Expanded)
- XXXIV. **KNOWLEDGE BASED SUPPORT VECTOR SYNTHESIS OF THE MICROSTRIP LINES**  
Türker Tokan N., Güneş F.  
Progress In Electromagnetics Research-Pier, vol.92, pp.65-77, 2009 (SCI-Expanded)
- XXXV. **Support vector design of the microstrip lines**  
Güneş F., Tokan N., Gürgen F.  
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, vol.18, no.4, pp.326-336, 2008 (SCI-Expanded)
- XXXVI. **Signal-noise support vector model of a microwave transistor**

Guenes F., Tuerker N., Guergen F.

INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, vol.17, no.4, pp.404-415, 2007 (SCI-Expanded)

XXXVII. **Artificial Neural Design of Microstrip Antennas**

Türker Tokan N., Güneş F., Yıldırım T.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.1, pp.1-6, 2006 (SCI-Expanded)

XXXVIII. **Artificial neural networks in their simplest forms for analysis and synthesis of RF/microwave planar transmission lines**

Gunes F., Turker N.

INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, vol.15, no.6, pp.587-600, 2005 (SCI-Expanded)

## Articles Published in Other Journals

I. **Comparison of post and iris substrate integrated waveguide band-pass filters for X-Band applications**

Bandar H., TÜRKER TOKAN N.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.40, no.1, pp.45-56, 2022 (ESCI)

II. **All-Textile On-Body Metasurface Antenna**

Celenk E., Türker Tokan N.

PROGRESS IN ELECTROMAGNETICS RESEARCH M, vol.110, pp.119-131, 2022 (ESCI)

III. **Dual Lens Focusing System with In-Lens Polarizer for Automotive Radar Sensors**

Keskin N., TÜRKER TOKAN N.

Progress In Electromagnetics Research C, vol.124, pp.155-165, 2022 (Scopus)

IV. **A Wireless Driving Cycle Test Observation Method for Electric Vehicles**

Bilgin B., Şimşek M., Türker Tokan N., Paşa Partal H.

International Journal on Future Revolution in Computer Science & Communication Engineering, vol.5, no.11, pp.18-23, 2019 (Peer-Reviewed Journal)

V. **Array Antenna Feeding Network Design for 5G MIMO Applications**

Tokan N.

ELECTRICA, vol.19, no.2, pp.120-127, 2019 (ESCI)

VI. **Support vector characterization of the microstrip antennas based on measurements**

Tokan N., Güneş F.

Progress In Electromagnetics Research B, vol.5, pp.49-61, 2008 (Scopus)

VII. **A competitive approach to neural device modeling: Support vector machines**

Türker N., Türker N.

LECTURE NOTES IN COMPUTATIONAL SCIENCE AND ENGINEERING, vol.4132, pp.974-981, 2006 (Peer-Reviewed Journal)

VIII. **Artificial Neural Networks Applied to the Design of Microstrip Antennas**

Türker Tokan N., Güneş F., Yıldırım T.

MICROWAVE REVIEW, vol.12, pp.10-14, 2006 (Scopus)

## Books & Book Chapters

I. **Time-Domain Analysis of Modified Vivaldi Antennas**

ALDIRMAZ ÇOLAK S., TÜRKER TOKAN N.

in: Antennas and Wave Propagation, Pedro Pinho, Editor, IntechOpen, London, pp.39-56, 2018

## Refereed Congress / Symposium Publications in Proceedings

I. **5G MİLİMETRE DALGA UYGULAMALARI İÇİN DUAL POLARİZE FAZ DİZİLİ ANTEN TASARIMI**

Konuk G., KARABEY O. H., TÜRKER TOKAN N.

8th INTERNATIONAL CONGRESS ON ENGINEERING SCIENCES AND MULTIDISCIPLINARY APPROACHES, 07 December 2024

II. **DUAL POLARIZED PIN-FED PATCH ANTENNA FOR SATELLITE COMMUNICATION**

KOCA S. U., KARABEY O. H., TÜRKER TOKAN N.

19th International Istanbul Scientific Research Congress on Life, Engineering, Architecture, and Mathematical Sciences, 16

November 2024

- III. **SURFACE-COMPATIBLE ELECTRONIC SCANNING RADAR ANTENNA DESIGN FOR UNMANNED AERIAL VEHICLES**  
Evren O., TÜRKER TOKAN N.  
2ND INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, 19 April 2024
- IV. **Detection of Human Breathing Using Signal Processing Techniques Under Debris**  
Erenoglu M. Z., Aldirmaz-Colak S., TÜRKER TOKAN N.  
59th International Scientific Conference on Information, Communication and Energy Systems and Technologies, ICEST 2024, Sozopol, Bulgaria, 1 - 03 July 2024
- V. **Dual Band Linear Polarized Reflectarray System with FSS Backing**  
GÜLSEREN A. H., ALPARSLAN A., TÜRKER TOKAN N.  
14th INTERNATIONAL CONFERENCE on ELECTRICAL and ELECTRONICS ENGINEERING, 30 November 2023
- VI. **Dual-Polarized Reflectarray for High-Speed Satellite Communication**  
Çelik S., Gülsereen A. H., Türker Tokan N.  
10th International Conference on Recent Advances in Air and Space Technologies (RAST2023), İstanbul, Turkey, 7 - 09 June 2023, pp.1
- VII. **Minkowski Based Microwave Resonator for Material Detection over Sub-6 GHz 5G Spectrum**  
Anwer A. I., Alibakhshikenari M., Elwi T. A., Virdee B. S., Kouhalvandi L., Hassain Z. A. A., Soruri M., TÜRKER TOKAN N., Parchin N. O., See C. H., et al.  
2nd International Conference on 6G Networking, 6GNet 2023, Paris, France, 18 - 20 October 2023
- VIII. **Metamaterial Based Sensor Using Fractal Hilbert Structure for Liquid Characterization**  
Abdulsattar R. K., Alibakhshikenari M., Elwi T. A., Kouhalvandi L., Hassain Z. A. A., Virdee B. S., Soruri M., TÜRKER TOKAN N., Parchin N. O., See C. H., et al.  
25th International Conference on Electromagnetics in Advanced Applications, ICEAA 2023, Venice, Italy, 9 - 13 October 2023, pp.480-483
- IX. **Comparison of Size Reduction Techniques in Spiral Antenna Design**  
Sag R. N., Tuylu T., TÜRKER TOKAN N.  
33rd International Conference Radioelektronika, RADIOELEKTRONIKA 2023, Pardubice, Czech Republic, 19 - 20 April 2023
- X. **5G Milimetre Dalga Uygulamaları için Çift Bantlı Frekans Seçici Yüzey Tasarımı**  
Şahin U., Türker Tokan N.  
ELEKTRİK-ELEKTRONİK ve BİYOMEDİKAL MÜHENDİSLİĞİ KONFERANSI, Bursa, Turkey, 24 - 26 November 2022, pp.1-4
- XI. **DİELEKTRİK LENS KULLANIMI İLE HORN ANTEN PERFORMANSININ İYİLEŞTİRİLMESİ**  
Turan U., Türker Tokan N., Çalışkan A.  
ULUSLARARASI MÜHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 22 - 24 June 2022, no.152, pp.1-4
- XII. **Wide Band Gain Enhancement of a mmWave Conical Horn Antenna with a Metamaterial Lens**  
Keskin N., TÜRKER TOKAN N.  
13th INTERNATIONAL CONFERENCE on ELECTRICAL and ELECTRONICS ENGINEERING, 25 November 2021
- XIII. **All-Textile, Washable Metasurface Antenna for WBAN/WLAN and Mid-Band 5G Applications**  
TÜRKER TOKAN N., ÇELENK E.  
13th INTERNATIONAL CONFERENCE on ELECTRICAL and ELECTRONICS ENGINEERING, 25 November 2021
- XIV. **Complete Analysis of Modified Vivaldi Antennas**  
Dönmez M., Aldirmaz Çolak S., Türker Tokan N.  
Seventh International Conference on Radiation in Various Fields of Research (RAD 2019 Conference), Novi-Sad, Serbia And Montenegro, 10 - 14 June 2019, pp.13-14
- XV. **Parametric analysis of Three-Layer Frequency Selective Surface for Curved Structures**  
TÜRKER TOKAN N., DÖĞÜŞGEN C., Topcuoğlu C.  
6th International Conference on Control Engineering Information Technology, 25 - 27 October 2018
- XVI. **X-Band Frequency Selective Surface Design**  
TÜRKER TOKAN N., DÖĞÜŞGEN C., Topcuoğlu c.  
International Congress on Engineering and Life Science, 26 - 29 April 2018
- XVII. **Performance of corrugated feed horn for satellite earth station antennas**  
Demirci A., TÜRKER TOKAN N.  
14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018, Lviv-Slavske, Ukraine, 20 - 24 February 2018, pp.61-64
- XVIII. **Milimetre Dalga Entegre Devreler için Düzlemsel Anten Tasarımı**  
Usta E., TÜRKER TOKAN N.  
ELEKTRİK ELEKTRONİK MÜHENDİSLİĞİ KONGRESİ, Turkey, 16 - 18 November 2017
- XIX. **Dual Circular Polarized Corrugated Horn Antenna Design for Feeding Parabolic Reflector Antenna**

- Sertkaya B., TÜRKER TOKAN N.  
ELECTROTECH '16 4th International Electric and Electronic Engineering and Technologies Conference, 29 - 30 September 2016
- XX. **Comparison of matching layers for extended hemispherical lenses in beam scanning applications**  
Kar Ş., Sönmez N., Mambet S., Tokan N.  
IEEE/ACES International Conference on Wireless Information Technology, ICWITS 2016 and System and Applied Computational Electromagnetics, ACES 2016, Hawaii, United States Of America, 13 - 17 March 2016
- XXI. **Performance Analysis of Directive UWB Antennas as Reflector Feeds**  
Kara H., TÜRKER TOKAN N.  
Progress In Electromagnetics Research Symposium, 6 - 09 July 2015
- XXII. **Comparison of the ANN with SVRM Method on Determining the Magnetic Characteristics of the E-Core Transverse Flux Machine**  
Türker Tokan N.  
IEEE International Conference on Industrial Technology (ICIT), Cape-Town, South Africa, 25 - 28 February 2013, pp.278-283
- XXIII. **The Planar Lateral Wave Antenna**  
TÜRKER TOKAN N.  
IEEE International Symposium on Antennas and Propagation and USNC-URSI National Radio Science Meeting, 01 July 2012
- XXIV. **Comparison of Pulse Distortion Properties for UWB Antennas**  
TOKAN F.  
IEEE International Symposium on Antennas and Propagation and USNC-URSI National Radio Science Meeting, 01 June 2012
- XXV. **Mikroşerit Antenlerin Bilgi-Tabanlı Destek Vektör Analizi**  
TÜRKER TOKAN N., Güneş F.  
Akıllı Sistemlerde Yenilikler ve Uygulamalar Sempozyumu, 01 June 2010
- XXVI. **Consensual noise modeling of a microwave transistor**  
TÜRKER TOKAN N.  
International Conference on Electrical Engineering (ICEENG), 01 May 2010
- XXVII. **Consensual Regression of Expert Systems for the Synthesis of Shielded Coplanar Waveguides**  
TÜRKER TOKAN N.  
International Symposium on Innovations in Intelligent Systems and Applications (INISTA), 01 June 2009
- XXVIII. **Support Vector Synthesis Formulation of RF/Microwave Transmission Lines**  
TÜRKER TOKAN N.  
Progress in Electromagnetics Research Symposium (PIERS), 01 March 2009
- XXIX. **Support vector design of the microstrip antenna Mikroşerit antenlerin destek vektör tasarımı**  
Toker N., GÜNEŞ F.  
2008 IEEE 16th Signal Processing, Communication and Applications Conference, SIU, Aydın, Turkey, 20 - 22 April 2008
- XXX. **Analysis and Synthesis of the Microstrip Lines Based on Support Vector Regression**  
TÜRKER TOKAN N.  
The European Microwave Conference (EuMC), 01 October 2008
- XXXI. **Analysis and Synthesis of the Microstrip Lines by Support Vector Regressors**  
TÜRKER TOKAN N., GÜNEŞ F.  
Progress In Electromagnetics Research Symposium, Cambridge, United States Of America, 02 July 2008, pp.1-4
- XXXII. **Support Vector Analysis of the Rectangular Patch Antenna**  
TÜRKER TOKAN N., GÜNEŞ F.  
Progress In Electromagnetics Research Symposium, Cambridge, United States Of America, 02 July 2008, pp.1-4
- XXXIII. **Mikroşerit Antenlerin Destek Vektör Tasarımı**  
TÜRKER TOKAN N., Güneş F.  
16. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, 01 April 2008
- XXXIV. **Support Vector Design of the Microstrip Antenna**  
Toker N., Guenes F.  
IEEE 16th Signal Processing and Communications Applications Conference, Aydın, Turkey, 20 - 22 April 2008, pp.725-728
- XXXV. **Support Vector Machines for Use in the Device Modeling**  
TÜRKER TOKAN N., GÜNEŞ F.  
Progress In Electromagnetics Research Symposium (PIERS 2007), Prag, Czech Republic, 27 August 2007, pp.1-4
- XXXVI. **Determination of the neural network performances in the medical prognosis by roc analysis Tibbi tahmin alanında kullanılan yapay sinir ağlarının performanslarının roc analizi ile belirlenmesi**  
TOKAN F., Türker N., YILDIRIM T.  
2006 IEEE 14th Signal Processing and Communications Applications, Antalya, Turkey, 17 - 19 April 2006, vol.2006
- XXXVII. **Tıbbi tahmin alanında kullanılan yapay sinir ağlarının performanslarının ROC analizi ile belirlenmesi**

- Tokan F., Türker Tokan N., Yıldırım T.  
IEEE 14. Sinyal İşleme ve İletişim Uygulamaları Kurultay, Antalya, Turkey, 17 - 19 April 2006
- XXXVIII. **Tıbbi Tahmin Alanında Kullanılan Yapay Sinir Ağlarının Performanslarının ROC Analizi ile Belirlenmesi**  
TOKAN F.  
Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU), 01 April 2006
- XXXIX. **Mikroşerit Süreksizliklerinin Eşdeğer Devre Temelli Yapay Sinir Ağı Modeli**  
TÜRKER TOKAN N.  
14. IEEE Sinyal İşleme, İletişim ve Uygulamaları Kurultayı, 01 April 2006
- XL. **ROC analysis as a useful tool for performance evaluation of artificial neural networks**  
TOKAN F., Türker N., YILDIRIM T.  
16th International Conference on Artificial Neural Networks, ICANN 2006, Athens, Greece, 10 - 14 September 2006, pp.923-931
- XLI. **Artificial Neural Design of the Microstrip Antennas**  
TÜRKER TOKAN N., GÜNEŞ F., YILDIRIM T.  
4th International Conference on Electrical and Electronics Engineering (ELECO'2005), 7 - 11 December 2005
- XLII. **Ekokardiyogram verilerinin yapay sinir ağları ile değerlendirilmesi**  
TOKAN F., TÜRKER TOKAN N., YILDIRIM T.  
BİYOMUT 2005 Biyomedikal Mühendisliği Ulusal Toplantısı, Turkey, 1 - 06 August 2005
- XLIII. **Kalp hastalığı teşhisinde yapay sinir ağlarının performansının ROC analizi ile belirlenmesi**  
TÜRKER TOKAN N., TOKAN F., YILDIRIM T.  
BİYOMUT 2005 Biyomedikal Mühendisliği Ulusal Toplantısı, Turkey, 1 - 06 August 2005
- XLIV. **Neural Networks in Use of Function/Inverse Function Approximators for RF/Microwave Transmission Line Problems**  
TÜRKER TOKAN N.  
Proceedings of Innovations in Intelligent Systems and Applications Symposium, 01 June 2005
- XLV. **Kalp Hastalığı Teşhisinde Yapay Sinir Ağlarının Performansının Roc Analizi İle Belirlenmesi**  
TOKAN F.  
Biyomedikal Mühendisliği Ulusal Toplantısı (BİYOMUT), 01 May 2005
- XLVI. **Gezgin İletişim Devrelerinin Yapay Sinir Ağı ile Tasarımı ve Tipik Bir Uygulama Örneği**  
TÜRKER TOKAN N.  
13. Sinyal İşleme Ve İletişim Uygulamaları Kurultayı, 01 May 2005
- XLVII. **Ekokardiyogram Verilerinin Yapay Sinir Ağları İle Değerlendirilmesi**  
TOKAN F.  
Biyomedikal Mühendisliği Ulusal Toplantısı (BİYOMUT), 01 May 2005
- XLVIII. **RF/Mikrodalga Düzlemsel İletim Hatlarının Yapay Sinir Ağı ile Analiz ve Sentezi**  
TÜRKER TOKAN N., Güneş F.  
URSI 2004 İkinci Ulusal Kongresi, 01 September 2004
- XLIX. **Mikroşerit Hatların Yapay Sinir Ağı Modeli**  
TÜRKER TOKAN N., Güneş F.  
12. Sinyal İşleme Ve İletişim Uygulamaları Kurultayı, 01 April 2004
- L. **An artificial neural model of the microstrip lines**  
TÜRKER TOKAN N., GÜNEŞ F.  
Signal Processing and Communications Applications Conference, 28 - 30 April 2004

## Supported Projects

- Türker Tokan N., Kızılay A., Türk A. S., Erkmen B., Mahouti P., Çalışkan A., Project Supported by Other Official Institutions, Yapay-Zeka Tabanlı Göçük Altı Arama-Kurtarma Danışmanlık Hizmeti, 2023 - 2024
- Türker Tokan N., Kızılay A., Çalışkan A., Erkmen B., Türk A. S., Mahouti P., Yüzer N., TÜBİTAK Project, Deprem Sonrası Göçük Altı Canlı Tespiti İçin Yapay Zeka Tabanlı Frekans-Adımlı Multistatik Geniş Bantlı Radar Yaklaşımı, 2022 - 2024
- Edalı M., Türker Tokan N., Aydın N., Eren Y., Tuzkaya U. R., Acar Vural R., Demir Ö., Erdinç O., Niyaz Ö., Erkmen B., Development Agency, Çerkezköy Organize Sanayi Bölgesi Dijital Dönüşüm Olgunluk Seviyesi Belirleme, Dijital Dönüşüm Yol Haritası Çıkartma, 2021 - 2021
- Erkmen B., Türker Tokan N., Acar Vural R., Aydın N., Tuzkaya U. R., Eren Y., Erdinç O., Edalı M., Sayar G., Demir Ö., et al., Technopark, Sanayide Dijital Dönüşüm Eğitim ve Danışmanlık Merkezi Projesi, 2021 - 2021
- Türker Tokan N., TÜBİTAK Project, Anten Ölçümü İçin Yansız Oda Tasarımı, 2020 - 2020
- Türker Tokan N., TÜBİTAK - AB COST Project, Advanced Antenna Architectures for THZ Sensing Instruments (1 yıl süre ile çalışıldı), 2012 - 2017
- Türker Tokan N., Tokan F., TÜBİTAK International Bilateral Joint Cooperation Program Project, Otomotiv Radar Uygulamaları İçin Çoklu



Lens Anten Tasarımı, 2013 - 2015

Türker Tokan N., TÜBİTAK - AB COST Project, New Frontiers in mm/sub-mm Waves Integrated Dielectric Focusing Systems (8 ay süre ile çalışıldı), 2010 - 2015

Tokan F., Güneş F., Türker Tokan N., TUBİTAK Project, Mikrodalga Uygulamalarında Destek Vektör Makineleri, 2009 - 2012

## Metrics

Publication: 99

Citation (WoS): 145

Citation (Scopus): 209

H-Index (WoS): 8

H-Index (Scopus): 8

## Scholarships

NEWFOCUS Exchange Grant (Post Doc Bursu), Other International Organizations, 2012 - Continues

## Awards

TÜRKER TOKAN N., Otomotiv Sektöründe Yeni Gelişen Teknolojiler Proje Pazarı Birinciliği, YTÜ Teknoloji Transfer Ofisi, November 2015

TÜRKER TOKAN N., European School of Antennas Course Ücretsiz Katılım Ödülü, Advanced Mathematics for Antenna Analysis European School of Antennas Course, May 2012

TÜRKER TOKAN N., Öğrenci Ödülü, European Microwave Conf (EuMC) / Hollanda, October 2008

TÜRKER TOKAN N., Öğrenci Ödülü, International Conference on Artificial Neural Networks (ICANN) / Yunanistan, September 2006

## Non Academic Experience

Yıldız Teknik Üniversitesi

Rennes Institute of Electronics and Telecommunications

Delft Technology University

Yıldız Teknik Üniversitesi