

Asst. Prof. Ramazan DAŞBAŞI

Personal Information

Email: rdasbasi@yildiz.edu.tr

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

Address: Yıldız Teknik Üniversitesi Elektronik ve Haberleşme Mühendisliği Bölümü Davutpaşa Mahallesi Davutpaşa Caddesi
34220 Esenler İstanbul / TÜRKİYE

International Researcher IDs

ScholarID: jO1xYU8AAAAJ

ORCID: 0000-0002-7706-2053

Publons / Web Of Science ResearcherID: AAX-2313-2020

ScopusID: 56405587600

Yoksis Researcher ID: 277154

Education Information

Doctorate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Elektronik Ve Haberleşme Mühendisliği / Haberleşme, Turkey 2016 - 2021

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Elektronik Mühendisliği / Elektronik Harp, Turkey 2014 - 2017

Undergraduate, Bogazici University, Faculty Of Engineering, Elektrik-Elektronik Mühendisliği, Turkey 2007 - 2013

Dissertations

Doctorate, Canonical Scattering Problems in Hertzian Electrodynamics, Yıldız Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, 2021

Research Areas

Electrical and Electronics Engineering, Electronic, Microwave Circuits, Electromagnetic, Electromagnetic Waves, Antennas and Propagation, Passive Microwave Circuits, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Yıldız Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, 2022 - Continues

Lecturer PhD, Yıldız Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, 2021 - 2022

Lecturer, Yıldız Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, 2018 - 2021

Expert, Yıldız Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, 2018 - 2018

Research Infrastructure Information

Polat A. B., Daşbaşı R., Radar Research Laboratory, July 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A Distributional Investigation of Hertz-Heaviside Field Equations**
POLAT A. B., DAŞBAŞI R.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol.70, no.6, pp.4613-4622, 2022 (SCI-Expanded)
- II. **An analytical approach to rotor blade modulation**
DAŞBAŞI R., POLAT A. B.
WAVE MOTION, vol.105, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **Free Space Physical Optics Scattering by a Triangularly Meshed PEC Sphere Using Equivalent Point Dipoles**
Noor A., Daşbaşı R., Polat A. B.
International Journal of Applied Physics and Mathematics (IJAPM), vol.13, no.4, pp.53-61, 2023 (Peer-Reviewed Journal)
- II. **An Evaluation of Radiation Performances of Various Aperture and Horn Antennas over Sea Surface**
Mohammed Musa D. S., Daşbaşı R., Polat A. B.
The European Journal of Research and Development, vol.2, no.2, pp.429-444, 2022 (Peer-Reviewed Journal)
- III. **Physical Optics Scattering by A PEC Missile in Uniform Rectilinear Motion**
Noor A., Daşbaşı R., Polat A. B.
The European Journal of Research and Development, vol.2, no.2, pp.421-428, 2022 (Peer-Reviewed Journal)
- IV. **Plane Wave Scattering by a PEC Half-Plane in Uniform Rectilinear Motion**
Daşbaşı R., Polat B.
Progress In Electromagnetics Research B, vol.89, pp.111-132, 2020 (Scopus)
- V. **Physical Optics Scattering by a PEC Plate Located Vertically over a Dielectric Half-space**
Polat B., Daşbaşı R.
Progress In Electromagnetics Research B, vol.88, pp.151-173, 2020 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Physical Optics Scattering by A PEC Missile in Uniform Rectilinear Motion**
Noor A., Daşbaşı R., Polat A. B.
Physical Optics Scattering by A PEC Missile in Uniform Rectilinear Motion, Kayseri, Turkey, 26 - 27 May 2022, vol.2, no.2, pp.309
- II. **An Evaluation of Radiation Performances of Various Aperture and Horn Antennas over Sea Surface**
Mohammed Musa D. S., Daşbaşı R., Polat A. B.
ESCICONF 2022 - International Conference On Emerging Sources In Science, Kayseri, Turkey, 26 - 27 May 2022, vol.2, no.2, pp.310
- III. **Radiation Fields of Corrugated Horn Antenna over Lossy Dielectric Half-Space**
Mohammed Musa D. S., Daşbaşı R., Polat A. B.
5th International 19 May Innovative Scientific Approaches Congress, Samsun, Turkey, 19 May 2021, pp.198-210
- IV. **Free Space Doppler Analysis and RCS of a Moving PEC Plate under Physical Optics Approximation**
POLAT A. B., DAŞBAŞI R.
8th International Conference on Electrical and Electronics Engineering, ICEEE 2021, Antalya, Turkey, 9 - 11 April 2021, pp.27-31

- V. **Perfect Conductor Bodies of Revolution in Hertzian Electrodynamics**
POLAT A. B., DAŞBAŞI R.
8th International Conference on Electrical and Electronics Engineering, ICEEE 2021, Antalya, Turkey, 9 - 11 April 2021, pp.215-219
- VI. **Analysis of Conical Horn Antenna Radiation over Ground by Directional Currents Method**
POLAT A. B., DAŞBAŞI R.
20th International Conference on Microwave Techniques (COMITE) Part of MAREW Conference, ELECTR NETWORK, 19 - 21 April 2021, pp.139-144
- VII. **Doppler Analysis of Dipole Antennas in Arbitrary Motion**
POLAT A. B., DAŞBAŞI R.
20th International Conference on Microwave Techniques (COMITE) Part of MAREW Conference, ELECTR NETWORK, 19 - 21 April 2021, pp.161-166
- VIII. **Stationary Phase Evaluation of Surface Wave Scattering by a Vertical PEC Plate**
POLAT A. B., DAŞBAŞI R.
20th International Conference on Microwave Techniques (COMITE) Part of MAREW Conference, ELECTR NETWORK, 19 - 21 April 2021, pp.182-186
- IX. **Hertzian Formulation of Scattering by Moving PEC Bodies**
POLAT A. B., DAŞBAŞI R.
2020 IEEE Ukrainian Microwave Week, UkrMW 2020, Virtual, Kharkiv, Ukraine, 21 - 25 September 2020, pp.486-493
- X. **Hertzian Dipoles Supporting Directional Currents**
POLAT A. B., DAŞBAŞI R.
2020 IEEE Ukrainian Microwave Week, UkrMW 2020, Virtual, Kharkiv, Ukraine, 21 - 25 September 2020, pp.494-500
- XI. **Plane Wave Reflection by a PEC Plane in Harmonic Motion**
Polat B., DAŞBAŞI R.
2nd International Conference on Electrical, Communication and Computer Engineering, ICECCE 2020, İstanbul, Turkey, 12 - 13 June 2020
- XII. **On Conservation of Electromotive Force in Hertzian Electrodynamics**
Polat B., DAŞBAŞI R.
2nd International Conference on Electrical, Communication and Computer Engineering, ICECCE 2020, İstanbul, Turkey, 12 - 13 June 2020
- XIII. **Validation of Hertzian Electromagnetism in a Rectangular Waveguide with Rotating PEC Termination**
Polat B., DAŞBAŞI R.
Photonics and Electromagnetics Research Symposium - Spring (PIERS-Spring), Rome, Italy, 17 - 20 June 2019, pp.2850-2856
- XIV. **360 degrees Variable Microwave Phase Shifter Design for Clutter Cancellation Circuitry of Life Detecting Radar**
Taktbiri N., Oncu A., Dasbasi R.
20th International Conference on Microwaves, Radar, and Wireless Communication (MIKON), Gdansk, Poland, 16 - 18 June 2014

Supported Projects

Polat A. B., Daşbaşı R., Project Supported by Higher Education Institutions, Radar Cross Section Analysis and Measurement of Canonical Targets over Sea Water, 2021 - 2023

Özdil H., Daşbaşı R., TUBITAK Project, Çeşitli Yazılım Geliştirme Ortamları ve Sensör Birimlerini Destekleyen Eğitim Kurumları Odaklı Geliştirme Kartlarının Özgün Tasarımı ve Geliştirilmesi, 2020 - 2021

Polat A. B., Daşbaşı R., Project Supported by Higher Education Institutions, Hertz Elektrodinamiğinde Kanonik Saçılma Problemleri, 2019 - 2021

Polat A. B., Daşbaşı R., Project Supported by Higher Education Institutions, Kendi Ekseni Etrafında Dönme Hareketi Yapan Dönel Simetrik Cisimlerin Hertz Elektrodinamiği, 2019 - 2020

Türk A. S., Daşbaşı R., Şengiz M., TUBİTAK Project, HAREKETLİ ORTAMLAR İÇİN ARAÇ ÜSTÜ KA BAND İKİ YÖNLÜ UYDU HABERLEŞME ANTEN SİSTEMİ, 2015 - 2017

Daşbaşı R., Öncü A., TUBİTAK Project, Karmaşık Sinyalleri Algılayabilen Cankurtarma Radarı RF Alıcı Devre Tasarımı , 2013 - 2014

Contractual Researches

Polat A. B., Daşbaşı R., TÜBİTAK Informatics and Information Security Research Center, Analytical, Asymptotic and Computational Approaches to Investigation of Rotor Blade Modulation, 2020 - 2020

Student Project

Other, RF Enerji Hasatlama Yöntemi ile Şarj Edilen Elektronik Evcil Hayvan Takip Sistemi, Yıldız Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, Turkey, 2023 - Continues

Other, İletken Sprey Boya ile Mikroşerit Anten Üretimi ve Performans Parametrelerinin Ölçülmesi, Yıldız Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, Turkey, 2023 - Continues

Other, Anten Ölçüm Sistemi için Kullanıcı Arayüzü Tasarımı, Yıldız Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, Turkey, 2022 - 2023

Other, Mikroşerit Anten Tasarımı, Mürekkep Püskürtme Tekniği Kullanılarak Üretimi ve S-parametrelerinin Ölçülmesi, Yıldız Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, Turkey, 2021 - 2022

Metrics

Publication: 21

Citation (WoS): 10

Citation (Scopus): 42

H-Index (WoS): 2

H-Index (Scopus): 5

Scholarships

2211-A Genel Yurt İçi Doktora Burs Programı, TUBİTAK, 2017 - 2020

Non Academic Experience

NETA Elektronik San. ve Tic. A.Ş.

Company, NETA Elektronik Cihazlar Sanayi ve Ticaret A.Ş., Ar-Ge

Company, Miltek Milmetrik Teknolojiler Ar-Ge San. ve Tic. Ltd. Şti, Ar-Ge

MİLTEK Milimetrik Teknolojiler Ar-Ge San. ve Tic. Ltd. Şti.