Assoc. Prof. FADIL KUYUCUOĞLU

Personal Information

Email: fadil.kuyucuoglu@cbu.edu.tr
Web: https://avesis.mcbu.edu.tr/fadil.kuyucuoglu

International Researcher IDs
ScholarID: FSJbPoEAAAAJ
ORCID: 0000-0002-0134-0491
Publons / Web Of Science ResearcherID: DCE-9826-2022
ScopusID: 24460537300
Yoksis Researcher ID: 163052

Education

Doctorate, Ege University, Turkey 2007 - 2013
Postgraduate, Ege University, Turkey 2004 - 2007
Undergraduate, Ege University, Turkey 1999 - 2003

Foreign Languages

English

Dissertations

Doctorate, İnce ve eğrisel şerit yapıdaki tabakalı geometriden iki boyutlu saçınım probleminin incelenmesi, Ege University, 2013
Postgraduate, Elektromanyetik saçınım probleminin belli geometriler için modellenmesi, Ege University, 2007

Academic Positions

Assistant Professor, 2014 - Present
Research Assistant, Ege University, 2004 - 2014

Courses

Undergraduate
Yüksek Gerilim Tekniği, Undergraduate, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2018-2019, 2017-2018
Elektrik - Elektronik Ölçmeleri, Undergraduate, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2018-2019, 2017-2018
Antennas, Undergraduate, 2021-2022, 2020-2021, 2019-2020
Introduction to Microwave, Undergraduate, 2021-2022, 2020-2021, 2019-2020, 2018-2019
Elektromagnetik Alan Teorisi, Undergraduate, 2018-2019
Elektromagnetik Dalga Teorisi, Undergraduate, 2017-2018
Antenler, Undergraduate, 2017-2018

Özel Tasarımlı Elektrik Makineleri, Undergraduate, 2017-2018

Undergraduate Double Major

Elektrik Mühendisliğinde Sonlu Elemanlar Metodu, Undergraduate Double Major, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2018-2019, 2017-2018

Elektromanyetikte Nümerik Yöntemler, Undergraduate Double Major, 2017-2018

Supervised Theses

Kuyucuoğlu F., Elektromanyetik Fırlatıcı SistemiTasarımı, Postgraduate, M.DOĞAN(Student), 2025

KUYUCUOĞLU F., Senkron relüktans motorlarda rotor tasarımı ile performans arttırılması, Postgraduate, H.KAHRIMAN(Student), 2024

KUYUCUOĞLU F., Senkron relüktans motorlarda kalıcı mıknatıs kullanarak performans arttırılması, Postgraduate, M.UFUKCAN(Student), 2022

KUYUCUOĞLU F., Güç kalitesi parametreleri kullanılarak otomatik anahtarlama sistemi ile şebeke seçimi, Postgraduate, A.MUTLU(Student), 2018

KUYUCUOĞLU F., Adım motorunun sensörsüz pozisyon kontrolü, Postgraduate, A.BAKBAK(Student), 2016

Articles

I. **Performance Enhancement of Monopole Antenna by Using Artificial Magnetic Conductor-Based Corner Reflector**
Yiğit O., KUYUCUOĞLU F.
Arabian Journal for Science and Engineering, vol.51, no.6, pp.7263-7267, 2026 (SCI-Expanded, Scopus)

II. **A Novel Compact GNSS Antenna with Plasma Frequency Selective Surface**
Yiğit O., KUYUCUOĞLU F., Öztürk Y.
Sakarya University Journal of Science, vol.28, no.4, pp.876-883, 2024 (Scopus, TRDizin)

III. **Scattering from Parabolic Cylindrical Reflector Antenna using Physical Optics**
Kuyucuoglu F.
Black Sea Journal of Engineering and Science, vol.6, no.4, pp.550-556, 2023 (TRDizin)

IV. **A novel approach to the design of multi section ultra-wideband Jaumann absorber**
Kuyucuoğlu F.
OPTIK, no.287, pp.1-10, 2023 (Scopus)

V. **A new approach to design multi section wideband transmissive absorber using thin resistive sheets and dielectric slabs**
Oğuzer T., KUYUCUOĞLU F.
Optik, vol.277, 2023 (SCI-Expanded, Scopus)

VI. **Reflection and transmission properties of a graphene-dielectric-thin resistive layer structure in the THz range**
Oğuzer T., KUYUCUOĞLU F.
Optik, vol.266, 2022 (SCI-Expanded, Scopus)

VII. **Improving radiation performance of the cylindrical dielectric reflector sandwiched by thin resistive layer illuminated by a complex line source**
KUYUCUOĞLU F., Oğuzer T.
Optik, vol.245, 2021 (SCI-Expanded, Scopus)

VIII. **The Influence of DNA Solution on Dipole Antenna Purcell Factor Spectra**
yigit o., Kuyucuoglu F., OZTURK Y.
International Journal of Pure and Applied Sciences, vol.7, no.1, pp.27-31, 2021 (TRDizin)

IX. **The effect of ambient temperature on electric power generation in natural gas combined cycle power plant—A case study**

Şen G., NİL M., MAMUR H., DOĞAN H., KARAMOLLA M., Karaçor M., KUYUCUOĞLU F., YÖRÜKEREN N., Bhuiyan M. R. A.

Energy Reports, vol.4, pp.682-690, 2018 (SCI-Expanded, Scopus)

X. **Analysis of a thin, penetrable, and nonuniformly loaded cylindrical reflector illuminated by a complex line source**

Oğuzer T., KUYUCUOĞLU F., Avgin I., Altintas A.

IET Microwaves, Antennas and Propagation, vol.11, no.15, pp.2148-2154, 2017 (SCI-Expanded, Scopus)

XI. **Electromagnetic scattering from layered strip geometries: the method of moments study with the sinc basis**

OĞUZER T. A., Kuyucuoglu F., Avgin I.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.19, no.3, pp.397-412, 2011 (SCI-Expanded, Scopus, TRDizin)

XII. **Method of moments solution by using sinc-type basis functions for the scattering from a finite number of conducting strip gratings**

OĞUZER T. A., Kuyucuoglu F.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.16, no.2, pp.95-109, 2008 (SCI-Expanded, Scopus, TRDizin)

Papers Presented at Peer-Reviewed Scientific Conferences

I. **INVESTIGATION OF THE REFLECTION PROPERTIES OF TE-POLARIZED ELECTROMAGNETIC WAVES FROM MULTILAYER DIELECTRIC FILMS**

Kuyucuoğlu F.

EGE 13th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, İzmir, Turkey, 13 - 15 June 2025, pp.416-420, (Full Text)

II. **COMPARISON OF DEEP LEARNING MODELS AND DROPOUT RATES ON COLORECTAL CANCER HISTOLOGY**

Irmakçı İ., Kuyucuoğlu F.

EGE 13th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, İzmir, Turkey, 13 - 15 June 2025, pp.961-969, (Full Text)

III. **ANALYSIS OF THE REFLECTION PROPERTIES OF TM-POLARIZED ELECTROMAGNETIC WAVES FROM MULTILAYER DIELECTRIC FILMS**

Kuyucuoğlu F., Irmakçı İ.

EGE 13th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, İzmir, Turkey, 13 - 15 June 2025, pp.421-425, (Full Text)

IV. **Yüksek Performanslı Mıknatıs Destekli Senkron Relüktans Motor Tasarımı**

URCAN M. U., KUYUCUOĞLU F.

2nd International Istanbul Congress Of Multidisciplinary Scientific Research, İstanbul, Turkey, 28 - 29 September 2022, pp.325-330, (Full Text)

V. **TE Polarize Elektromanyetik Dalganın Çoklu Şerit Geometriden Saçınım Probleminin Analizi**

KUYUCUOĞLU F.

Istanbul International Modern Scientific Research Congress -II, İstanbul, Turkey, 23 - 25 December 2021, pp.513-518, (Full Text)

VI. **Laplace Denklemi Çözümünün Rastgele Yürüyüş Metodu ile Analizi**

KUYUCUOĞLU F.

2. International Halich Congress on Multidisciplinary Scientific Research, İstanbul, Turkey, 29 - 30 October 2021, pp.551-555, (Full Text)

VII. **Monte Carlo İntegrasyon Metodu İle Te Polarize Elektromanyetik Dalganın İki Boyutlu Şerit Geometriden Saçınımı**

KUYUCUOĞLU F.

2. International Halich Congress on Multidisciplinary Scientific Research, İstanbul, Turkey, 29 - 30 October 2021, pp.575-579, (Full Text)

VIII. **Laplace Denklemi Çözümünde Sonlu Farklar ve Rastgele Yürüyüş Yöntemlerinin Karşılaştırılması**
KUYUCUOĞLU F.
URSI-TÜRKİYE 2021 X. Bilimsel Kongresi, Gebze, Turkey, 7 - 09 September 2021, (Full Text)

IX. **Monte Carlo İntegrasyon Metodu ile Çok Şeritli Geometriden Saçınım Probleminin İncelenmesi**
KUYUCUOĞLU F., AYDOĞAN A.
URSI-TÜRKİYE 2021 X. Bilimsel Kongresi, Gebze, Turkey, 7 - 09 September 2021, (Full Text)

X. **Laplace Denklemi Çözümünün Sonlu Farklar Yöntemi ile Analizi**
KUYUCUOĞLU F.
6th International Zeugma Conference On Scientific Researches, Gaziantep, Turkey, 19 - 20 June 2021, pp.227-232, (Full Text)

XI. **Çoklu Şerit Geometriden Saçınım Probleminin Moment Metodu ile Analizi**
KUYUCUOĞLU F.
6th International Zeugma Conference On Scientific Researches, Gaziantep, Turkey, 19 - 20 June 2021, (Full Text)

XII. **Solving Electromagnetic Scattering Integral Equations Using Monte Carlo Integration Technique**
KUYUCUOĞLU F.
International Conference on Science and Technology ICONST 2018, Prizren, Serbia, 5 - 09 September 2018, pp.792-794, (Full Text)

XIII. **Numerical Solution of Laplace Equation For Two Dimensional Geometries**
KUYUCUOĞLU F.
International Conference on Science and Technology ICONST 2018, Prizren, Serbia, 5 - 09 September 2018, pp.795-799, (Full Text)

XIV. **Experimental Investigation of Factors Affecting Efficiency in IE2 and IE3 Class Squirrel Cage InductionMotors**
KUYUCUOĞLU F., ONAT N., TAŞKIN S.
IATS 2017, 8th International Advanced Technologies Symposium, Elazığ, Turkey, 19 - 22 October 2017, pp.2417-2424, (Full Text)

XV. **Adım Motorunun Algılayıcısız Konum Tahmini**
BAKBAK A., KUYUCUOĞLU F.
TOK'xx2015 Otomatik KontrolUlusal Toplantısı, Turkey, 10 - 12 September 2015, (Full Text)

XVI. **Analysis of thin dielectric cylindrical reflector having an arbitrary conic section profile illuminated by complex line source: H-polarization case**
Oguzer T., KUYUCUOĞLU F., Avgin I., Altintas A.
2014 International Conference on Mathematical Methods in Electromagnetic Theory, MMET 2014, Dnipropetrovsk, Ukraine, 26 - 28 August 2014, pp.117-120, (Full Text)

XVII. **Radiation performance of metamaterial cylindrical reflector antenna having a conic section profile illuminated by An E-polarized complex source line beam**
KUYUCUOĞLU F., Oguzer T., Avgin I.
2014 International Conference on Mathematical Methods in Electromagnetic Theory, MMET 2014, Dnipropetrovsk, Ukraine, 26 - 28 August 2014, pp.121-123, (Full Text)

XVIII. **Analysis Of an Arbitrary Conic Section Profile And Thin Dielectric Cylindrical Reflector Illuminated By an E-Polarized Complex Source Point Beam**
OĞUZER T. A., KUYUCUOĞLU F., AVGIN İ., ALTINTAŞ A.
2012 International Conference on Mathematical Methods in Electromagnetic Theory, Kharkiv, Ukraine, 28 - 30 August 2012, pp.292-295, (Full Text)

XIX. **Scattering from the Flat Strip Geometries in the Layered Medium by Using the Sinc Based Method of Moments**
KUYUCUOĞLU F., OĞUZER T. A., AVGIN İ.
Progress In Electromagnetics Research Symposium, Cambridge, Canada, 2 - 06 July 2008, (Full Text)

XX. **Scattering from the pec flat strip by using the method of moments with sinc type basis functions**

KUYUCUOĞLU F., ÇAY Z., OĞUZER T. A.
Sixth International Conference on Computational Electromagnetics (CEM), Aachen, Germany, 4 - 06 April 2006, pp.91-92, (Full Text)

XXI. **Tabakalı Ortamda Bulunan Şeritten Saçınımın Sinc Tipi Fonksiyonlar Kullanarak Moment Metot Çözümü**
OĞUZER T. A., KUYUCUOĞLU F.
3.URSI Ulusal Bilimsel Kongresi, Ankara, Turkey, 6 - 08 September 2006, pp.91-93, (Full Text)

XXII. **Web Tabanlı Geri Beslemeli Kontrol Sistemi**
SOKULLU R. İ., ÇINAR C., KUYUCUOĞLU F.
Elektrik-Elektronik-Bilgisayar Mühendisliği 10. Ulusal Kongresi, İstanbul, Turkey, 18 - 21 September 2003, (Full Text)

Funded Projects

ÇİPİLOĞLU M. A., KUYUCUOĞLU F., BABACAN H., Project Supported by Higher Education Institutions, BAP Research Project, Nano Malzeme Katkısının Mühendislik Plastik-Matris Kompozitler Üzerindeki Mekanik, Yapısal, Elektrik ve Elektromanyetik Kalkanlama Etkisinin Araştırılması, 2024 - Present

KUYUCUOĞLU F., URCAN M. U., Project Supported by Higher Education Institutions, Kalıcı Mıknatıs Destekli Senkron Relüktans Motor Tasarımı, 2022 - 2023

KUYUCUOĞLU F., TAŞKIN S., ONAT N., Project Supported by Higher Education Institutions, Mikro Ölçekli Dağıtık Elektrik Enerjisi Üretim Sistemlerinin Kararlı İşletilmesi İçin Akıllı Şebeke Modeli Geliştirilmesi, 2017 - 2019

BAKBAK A., TAŞKIN S., ONAT N., KUYUCUOĞLU F., Project Supported by Higher Education Institutions, Elektrik Makinelerinde Enerji Verimliliğini Etkileyen Tasarım Parametrelerinin İncelenmesi, 2016 - 2018

Metrics

Publication: 34
Citation (WoS): 10
Citation (Scopus): 76
H-Index (WoS): 2
H-Index (Scopus): 3