

# FUNDA ERGÜN YARDIM

## ASST. PROF.

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### International Researcher IDs

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## Learning Knowledge

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Doctorate 2005 - 2012	Gazi University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey
Postgraduate 2002 - 2005	Gazi University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (Dr), Turkey
Undergraduate 1996 - 2000	Gazi University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey

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## Foreign Languages

English, C1 Advanced

## Certificates, Courses and Trainings

Quality Management, TS EN ISO 9001 Kalite Yönetim Sistemi İç Tetkik Eğitimi, Türk Standardları Enstitüsü, 2011

Quality Management, TS EN ISO 9001 Kalite Yönetim Sistemi Dokümantasyon Eğitimi, Türk Standardları Enstitüsü, 2011

Quality Management, TS EN ISO 9001 Kalite Yönetim Sistemi Temel Eğitimi, Türk Standardları Enstitüsü, 2011

## Dissertations

Doctorate, Zaman Bölgesinde Sonlu Farklar Yöntemi ile Radar Kesit Alanı Kestirimi, Gazi University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2012

Postgraduate, Kaotik Bir Haberleşme Sisteminin Simülasyonu, Gazi University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (Dr), 2005

## Academic Titles / Tasks

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Assistant Professor 2022 - Continues	Gazi University, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği
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Research Assistant

2001 - 2022

Gazi University, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği

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

1. **Estimation of Radar Cross-Section in Rayleigh, MIE, and Optical Regions by the 2-D-FDTD Simulation**  
ERGÜN YARDIM F., AKÇAM N.  
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol.62, no.11, pp.5782-5789, 2014 (SCI-Expanded)
2. **Field Leakage Reduction Using a Two-Dimensional Matched Numerical Dispersion Method and High-Order Cubic Curvilinear Interpolation**  
ERGÜN YARDIM F., AKÇAM N.  
IEEE ANTENNAS AND PROPAGATION MAGAZINE, vol.55, no.6, pp.155-169, 2013 (SCI-Expanded)
3. **SIMULATION OF A COMMUNICATION SYSTEM USING LORENZ- BASED DIFFERENTIAL CHAOS SHIFT KEYING (DCSK) MODEL**  
ERGÜN YARDIM F., AFACAN E.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.25, no.1, pp.101-110, 2010 (SCI-Expanded)

### Articles Published in Other Journals

1. **S-Band Active Phased-Array RF Beam Forming Networks**  
Hasturk A., AKÇAM N., ERGÜN YARDIM F.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.32, no.4, pp.1185-1194, 2019 (ESCI)
2. **Shielding Effect Analysis of Various Configurations of the Square Patch Elements**  
ERGÜN YARDIM F., AKÇAM N., Bayraktar M.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.30, no.2, pp.123-132, 2017 (ESCI)
3. **PERFORMANCE ANALYSIS OF PSK MODULATION TYPES USED INSATELLITE COMMUNICATION SYSTEMS**  
AKÇAM N., ERGÜN YARDIM F., kurt T.  
International Journal on "Technical and Physical Problems of Engineering", 2016 (Peer-Reviewed Journal)
4. **Simulation of Anisotropic perfectly matched layer in two dimensional FDTD**  
ERGÜN YARDIM F., AKÇAM N.  
Asian Transactions on Fundamentals of Electronics, Communication&Multimedia, vol.2, no.3, pp.6-11, 2012 (Peer-Reviewed Journal)

### Courses

Numerical Analysis, Undergraduate, 2022 - 2023, 2021 - 2022

Master Thesis Study, Postgraduate, 2022 - 2023

Preparation for Master Thesis, Postgraduate, 2022 - 2023

EE Engineering Design II, Undergraduate, 2022 - 2023

EE Engineering Design I, Undergraduate, 2023 - 2024, 2022 - 2023

Electromagnetic Field Theory, Undergraduate, 2022 - 2023, 2021 - 2022

Electromagnetic Waves, Undergraduate, 2023 - 2024

Electrical and Electronics Engineering Principles, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Haberleşme Sistemleri II Lab. , Undergraduate, 2021 - 2022

Communication Systems II, Undergraduate, 2021 - 2022  
Seminar, Undergraduate, 2022 - 2023  
Probability and Statistics, Undergraduate, 2019 - 2020  
Circuit Analysis I, Undergraduate, 2017 - 2018  
Probability and Statistics, Undergraduate, 2017 - 2018  
Circuit Analysis I Lab., Undergraduate, 2017 - 2018

## Metrics

Publication: 17  
Citation (WoS): 22  
Citation (Scopus): 26  
H-Index (WoS): 3  
H-Index (Scopus): 2

## Research Areas

Engineering and Technology

## Non Academic Experience

Gazi Üniversitesi