

## Asst. Prof. AYBIKE KOCAKAYA

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-9283-7603

Publons / Web Of Science ResearcherID: F-6775-2018

ScopusID: 57200244146

Yoksis Researcher ID: 154064

### Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme Mühendisliği Anabilim Dalı, Turkey 2009 - 2019

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme Mühendisliği Anabilim Dalı, Turkey 2000 - 2003

Undergraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme Mühendisliği (YI) (Tezli), Turkey 1995 - 2000

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Electrical and Electronics Engineering, Electromagnetic

### Academic Titles / Tasks

Assistant Professor, Kocaeli University, Mühendislik Fakültesi, Elektronik ve Haberleşme Mühendisliği, 2021 - Continues

Research Assistant, Kocaeli University, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2000 - 2021

### Courses

Electromagnetic Field Theory , Undergraduate, 2022 - 2023

Electromagnetic Field Theory, Undergraduate, 2023 - 2024

Elektronics Laboratory-1, Undergraduate, 2023 - 2024

Electromagnetic Wave Theory, Undergraduate, 2023 - 2024

Elektronik Laboratuvarı-1, Undergraduate, 2023 - 2024

Elektronics Laboratory-2, Undergraduate, 2022 - 2023

Electronics Laboratory-2, Undergraduate, 2022 - 2023

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

- I. **Gain enhancement of co-planar waveguide fed ultra-wide bandwidth monopole antenna with enlarged ground plane and metal reflectors**  
Turkmen-Kucuksari Ö., Kocakaya A., Çakır G., Çimen S.  
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.126, 2020 (SCI-Expanded)
- II. **Polarization and angle independent ultra wideband frequency selective surface design**  
KOCAKAYA A., ÇAKIR G., ÇİMEN S.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.35, no.1, pp.287-295, 2020 (SCI-Expanded)
- III. **High constant gain modified antipodal Vivaldi antenna incorporated with a phase compensation lens and a frequency selective surface**  
Turkmen-Kucuksari Ö., Kocakaya A., Çimen S., Çakır G.  
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.113, 2020 (SCI-Expanded)
- IV. **Novel Angular and Polarization Independent Band-Stop Frequency Selective Surface for Ultra-Wide Band Applications**  
KOCAKAYA A., ÇİMEN S., ÇAKIR G.  
RADIOENGINEERING, vol.28, no.1, pp.147-153, 2019 (SCI-Expanded)
- V. **Novel angular-independent higher order band-stop frequency selective surface for X-band applications**  
KOCAKAYA A., ÇAKIR G.  
IET MICROWAVES ANTENNAS & PROPAGATION, vol.12, no.1, pp.15-22, 2018 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Gain Enhancement of UWB Printed Monopole Antenna with Modified Ground Plane**  
KOCAKAYA A., ÇAKIR G.  
İmascon 2019, Kocaeli, Turkey, 26 - 28 April 2019, pp.466-470
- II. **Ultra-Geniş Bant Frekans Seçici Yüzey ile Mikroşerit Anten Kazancını Arttırma**  
KOCAKAYA A., ÇAKIR G.  
IX. URSI-TÜRKİYE 2018 BİLİMSEL KONGRESİ, Konya, Turkey, 5 - 09 September 2018
- III. **A Novel Single Layer Frequency Selective Surface for Ultra-Wide Band Applications**  
KOCAKAYA A., ÇAKIR G.  
ELECO 2017 10th International Conference on Electrical and Electronics Engineering, Bursa, Turkey, 30 November - 02 December 2017
- IV. **Partial Gain Increase at Desired Frequency Range for UWB Microstrip Antennas Using Band-Stop FSS**  
Komron H., DİKMEN C. M., ÇAKIR G., KOCAKAYA A., ÇİMEN S.  
5th International Conference on Advanced Technology Sciences (ICAT'xx17), İstanbul, Turkey, 9 - 12 May 2017
- V. **A Low Profile Miniaturized Band-pass Frequency Selective Surface With Angular Stability**  
KOCAKAYA A., ÇAKIR G.  
5th International Conference On Advanced Technology Sciences, İstanbul, Turkey, 9 - 12 May 2017, pp.651-654
- VI. **A Novel Single Layer Frequency Selective Surface Design for Ultra-Wide Band Antenna Gain Enhancement**  
KOCAKAYA A., ÇAKIR G., Dikmen C.  
10th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 30 November - 02 December 2017, pp.1075-1078
- VII. **Açısal kararlılığa sahip ve minyatürize edilmiş bant durduran frekans Seçici Yüzey Tasarımı**  
KOCAKAYA A., ÇAKIR G.  
URSI- Türkiye 2016 VIII. Bilimsel Kongresi, Ankara, Turkey, 1 - 03 September 2016

## **Metrics**

Publication: 12

Citation (WoS): 37

Citation (Scopus): 44

H-Index (WoS): 3

H-Index (Scopus): 3