

## Lect. İBRAHİM BURAK KOÇ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: KHX-8824-2024

ScopusID: 56603882800

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### Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Turkey 2018 - Continues

Postgraduate, Nigde Omer Halisdemir University, Institute Of Science, Elektrik-Elektronik (YI) (Tezli), Turkey 2002 - 2005

Undergraduate, Nigde Omer Halisdemir University, Faculty Of Engineering, Department Of Electrical And Electronic Engineering, Turkey 1997 - 2001

### Academic Titles / Tasks

Lecturer, Ankara University, Hızlandırıcı Teknolojileri Enstitüsü, Hızlandırıcı Teknolojileri Anabilim Dalı, 2010 - Continues

Research Assistant, Nigde Omer Halisdemir University, Institute Of Science, Elektrik-Elektronik (YI) (Tezli), 2002 - 2005

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

- I. **Stub Loaded Patch Antenna and a Novel Method for Miniaturization at Sub 6 GHz 5G and Wi-Fi Frequencies**  
Hakanoglu B. G., Koc B., Sen O., Yalduz H., TÜRKMEN M.  
ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, vol.21, no.2, pp.23-32, 2021 (SCI-Expanded)
- II. **High power RF operations studies at TARLA facility**  
Karsli O., AKSOY A., KAYA Ç., Koc B., Doğan M., Elcim O. F., Bozdogan M.  
CANADIAN JOURNAL OF PHYSICS, vol.97, no.11, pp.1171-1176, 2019 (SCI-Expanded)
- III. **An ultra-wide band low-SAR flexible metasurface-enabled antenna for WBAN applications**  
Yalduz H., Koc B., Kuzu L., TÜRKMEN M.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.125, no.9, 2019 (SCI-Expanded)
- IV. **Asynchronous implementation of discrete event controllers based on safe automation Petri nets**  
UZAM M., Koc İ. B., Gelen G., AKSEBZECİ B. H.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.41, no.5-6, pp.595-612, 2009 (SCI-Expanded)

## Articles Published in Other Journals

- I. **VACUUM STUDIES ON ELECTRON GUN AND INJECTOR LINE OF TARLA FACILITY**  
Coşkun E., Demirci E. P., YAVAŞ Ö., AKSOY A., KAYA Ç., KAZANCI E., KOÇ İ. B.  
BALKAN PHYSICS LETTERS, vol.24, pp.139-145, 2016 (Peer-Reviewed Journal)
- II. **ELECTRON BEAM DIAGNOSTICS OF INJECTOR LINE IN TARLA FACILITY**  
KAYA Ç., AKSOY A., AYDIN A., KARAKILIÇ V., Karşı Ö., KAZANCI E., KOÇ İ. B., Tural M., YAVAŞ Ö.  
BALKAN PHYSICS LETTERS, vol.24, pp.131-138, 2016 (Peer-Reviewed Journal)

## Papers Published in Refereed Scientific Meetings

- I. **Design and Implementation of Signal Synthesizer for Tone Burst Generator in Ultrasonic Nondestructive Testing Systems**  
Koç İ. B., Özdemir A. T.  
URSI-TÜRKİYE 2021 X. Bilimsel Kongresi, Kocaeli, Turkey, 7 - 09 September 2021, pp.1-3
- II. **Defected Grounded Rectangular Patch Antenna with Rhombic-Shaped Slots for Early Phase 5G Applications**  
Hakanoglu B. G., Sen O., Koc B., HAYBER Ş. E., TÜRKMEN M.  
33rd General Assembly and Scientific Symposium (GASS) of the International-Union-of-Radio-Science (URSI), Rome, Italy, 29 August - 05 September 2020
- III. **Beam Diagnostics in Injector Section of TARLA FEL Facility**  
KAYA Ç., AKSOY A., KARSLI Ö., KOÇ İ. B., ELÇİM Ö. F., YILDIZ H., YILDIZ ALAN H., KAYA M., UÇAR H., YAVAŞ Ö.  
35th International Physics Congress (TPS 35), BODRUM, Turkey, 4 - 08 September 2019
- IV. **PERSONAL SAFETY SYSTEM OF THE TARLA**  
YILMAZ ALAN H., AKSOY A., KAYA Ç., Karsli Ö., KOÇ İ. B., Elçim Ö. F., Kaya M., Yıldız H., uçar H.  
TURKISH PHYSICAL SOCIETY 35th INTERNATIONAL PHYSICS CONGRESS, 4 - 08 September 2019
- V. **Current status of free electron laser @ tarla**  
AKSOY A., KAYA Ç., Karsli Ö., KOÇ B., Elçim Ö.  
39th International Free-Electron Laser Conference, FEL 2019, Hamburg, Germany, 26 - 30 August 2019, pp.102-105
- VI. **Current Status of TARLA Facility**  
KAYA Ç., KARSLI Ö., AKSOY A., KOÇ İ. B., ELÇİM Ö. F., KAYA M., YILDIZ H., YILDIZ ALAN H., YAVAŞ Ö.  
34th International Physics Congress (TPS 34), BODRUM, Turkey, 5 - 09 September 2018
- VII. **Beam diagnostics of E-gun test stand at TARLA**  
KAYA Ç., AKSOY A., Karsli O., KOÇ B., Kazanci E., Polat C., Karakilic V., KUDAY S., AYDIN A., YILDIZ M., et al.  
5th International Particle Accelerator Conference, IPAC 2014, Dresden, Germany, 15 - 20 June 2014, pp.704-706
- VIII. **Final structure & design parameters of TARLA RF system**  
Karsli O., Polat C., KAYA Ç., AKSOY A., KOÇ B., YAVAŞ Ö., Dogan M., ÖZKORUCUKLU S.  
5th International Particle Accelerator Conference, IPAC 2014, Dresden, Germany, 15 - 20 June 2014, pp.2577-2579
- IX. **BEAM DIAGNOSTICS OF E-GUN STAND AT TARLA**  
Kaya Ç., Aksoy A., Karşı Ö., Koç İ. B., Kazancı E., Aydın A., Özkorucuklu S.  
International Particle Accelerator Conference, IPAC2014, Dresden, Germany, 15 - 20 June 2014, pp.704-706
- X. **Beam Diagnostics E-GUN Test Stand at TARLA**  
KAYA Ç., AKSOY A., AYDIN A., Karakılıç V., Karşı Ö., Kazancı E., KOÇ İ. B., KUDAY S., Polat E., Şara İ., et al.  
IPAC2014: 5th International Particle Accelerator Conference, Dresden, Germany, 15 - 20 June 2014

## Supported Projects

Canbay A. C., Bilki B., Şenol A., Denizli H., Koç İ. B., Yılmaz A., Kудay S., Kaya Ç., Çakır O., Türk Çakır İ., TUBITAK Project, Büyük Hadron Çarpıştırıcısı Dedektörlerinde ve Gelecek Dairesel Çarpıştırıcıların Dedektörlerinde Kullanılacak MALTA Pixel Dedektör Kartlarının Karakterizasyonu ve Radyasyon Testleri, 2024 - 2026

## **Metrics**

Publication: 16

Citation (WoS): 27

Citation (Scopus): 46

H-Index (WoS): 2

H-Index (Scopus): 3