

## Asst. Prof. ESRA EVCİN BAYDİLLİ

### Personal Information

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### Education Information

Doctorate, Karabuk University, Lisansüstü Eğitim Enstitüsü, Elektrik-Elektronik Mühendisliği (Dr), Turkey 2014 - 2020

Postgraduate, Karabuk University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (YI) (Tezli), Turkey 2012 - 2014

Undergraduate, Bolu Abant İzzet Baysal University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 2004 - 2009

### Dissertations

Doctorate, Saf ve grafen katkılı pva arayüzey tabakalı metal-yarıiletken diyotların akım-iletim mekanizmalarının sıcaklığa bağlı incelenmesi, Karabuk University, Lisansüstü Eğitim Enstitüsü, Elektrik-Elektronik Mühendisliği (Dr), 2020

### Academic Titles / Tasks

Hakkari University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2022 - Continues

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

- I. **The effect of Cu-doping to the DLC interlayer on the temperature dependent current-conduction mechanisms and barrier shape of the Schottky devices**  
EVCİN BAYDİLLİ E.  
Materials Science in Semiconductor Processing, vol.184, 2024 (SCI-Expanded)
- II. **Overview of the irradiation-dependent behaviour of the negative dielectric properties of GaAs-based MIS devices**  
EVCİN BAYDİLLİ E., Kaymaz A., ALTINDAL Ş.  
Radiation Physics and Chemistry, vol.222, 2024 (SCI-Expanded)
- III. **Determination of temperature sensitivity and current-transport mechanisms of the GaAs-based MS contact**  
Kaymaz A., EVCİN BAYDİLLİ E., Tecimer H., Uslu Tecimer H., ALTINDAL Ş.  
Materials Today Communications, vol.35, 2023 (SCI-Expanded)

### Articles Published in Other Journals

- I. **The Comparison of the Temperature Susceptibility of the Serial Resistance Effect of Au/n-GaAs Type**

## **M/S Structures**

EVCİN BAYDİLLİ E.

Gazi University Journal of Science Part A: Engineering and Innovation, vol.10, 2023 (Peer-Reviewed Journal)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **The Detection of the Gamma-Irradiation Effects on Electrical Characteristics of Au/3% Gr-doped PVA/p-Si Type Schottky Structure**  
EVCİN BAYDİLLİ E.  
16 th International Conference on Nuclear Structure Properties (NSP 2023), Karabük, Turkey, 8 - 10 May 2023, pp.26
- II. **The Determination of Voltage and Temperature Dependence of Series Resistance of Au/n-GaAs Type M/S Contact**  
EVCİN E.  
MSNG 2022, Ankara, Turkey, 22 September 2022
- III. **Dielectric properties before and after gamma-irradiation in Au/Bi<sub>4</sub>Ti<sub>3</sub>O<sub>12</sub>-SiO<sub>2</sub>/n-Si type MFIS structure**  
EVCİN E.  
MSNG 2021, Turkey, 14 July 2021
- IV. **Negative Dielectric Properties of the Re/n-GaAs (MS) Type Structure**  
EVCİN E.  
IHEC 2021, Ankara, Turkey, 14 June 2021
- V. **The Investigation of Temperature Dependent Current – Transfer Mechanisms of Au/PVA/n-GaAs**  
EVCİN E., TECİMER H., ALTINDAL Ş., TECİMER H.  
MSNG 2019, 16 October 2019

## **Metrics**

Publication: 9

Citation (Scopus): 4

H-Index (Scopus): 1