

## Res. Asst. MURAT ULUSOY

### Personal Information

Office Phone: [+90 312 202 1457](tel:+903122021457)

Email: [ulusoymurat@gazi.edu.tr](mailto:ulusoymurat@gazi.edu.tr)

Web: <https://avesis.gazi.edu.tr/12412>

Address: Gazi Üniversitesi Fen Fakültesi Emniyet Mahallesi Bandırma Caddesi No: 6/8 06500 Yenimahalle/ANKARA

### Education Information

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 2018 - 2021

Undergraduate, Gazi University, Fen Fakültesi, Fizik, Turkey 2007 - 2011

Undergraduate, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2005 - 2007

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Education Management and Planning, Fizik Öğretmenliği Formasyon Eğitimi, Karadeniz Teknik Üniversitesi, 2011

### Dissertations

Postgraduate, Investigation of Electrical Properties of Au/(NiS:PVP)/n-Si (MPS) Structure in Wide Range Frequency, Gazi University, Fen Bilimleri Enstitüsü, 2021

### Research Areas

Condensed Matter 1: Structural, Mechanical and Thermal Properties, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties

### Academic Titles / Tasks

Research Assistant, Gazi University, Fen Fakültesi, Fizik, 2020 - Continues

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- The illumination effects on the current conduction mechanisms of the Au/( Er2O3:PVC )/n-Si ( MPS ) Schottky diodes**  
Altındal Ş., Azızian-Kalandaragh Y., Ulusoy M., Pirgholi-Givi G.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.139, no.25, pp.1-12, 2022 (Journal Indexed in SCI Expanded)

- II. **The electrical characteristic of an MIS structure with biocompatible minerals doped (Brushite+Monetite: PVC) interface layer**  
Ulusoy M., Altındal Ş., Azizian-Kalandaragh Y., Özçelik S., Mirzaei-Kalar Z.  
Microelectronic Engineering, vol.258, pp.111768, 2022 (Journal Indexed in SCI Expanded)
- III. **Comparison of the electrical and impedance properties of Au/(ZnOMn:PVP)/n-Si (MPS) type Schottky-diodes (SDs) before and after gamma-irradiation**  
ALTINDAL Ş., Barkhordari A., Pirgholi-Givi G., ULUSOY M., Mashayekhi H., ÖZÇELİK S., AZIZIAN-KALANDARAGH Y.  
PHYSICA SCRIPTA, vol.96, no.12, 2021 (Journal Indexed in SCI)
- IV. **Frequency and voltage-dependent electrical parameters, interface traps, and series resistance profile of Au/(NiS:PVP)/n-Si structures**  
Ulusoy M., Altındal Ş., Durmus P., Ozcelik S., Azizian-Kalandaragh Y.  
Journal of Materials Science: Materials in Electronics, vol.32, no.10, pp.13693-13707, 2021 (Journal Indexed in SCI Expanded)
- V. **On the frequency-dependent complex-dielectric, complex-electric modulus and conductivity in Au/(NiS:PVP)/n-Si structures**  
ALTINDAL Ş., ULUSOY M., ÖZÇELİK S., AZIZIAN-KALANDARAGH Y.  
Journal of Materials Science: Materials in Electronics, 2021 (Journal Indexed in SCI Expanded)

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

- I. **Illumination effects on the capacitance/conductance-voltage characteristics of Au/(PVC:Er2O3)/n-Si (MPS) type structure for 0.5 MHz at room temperature**  
Ulusoy M., Altındal Ş.  
2nd International Conference on Light and Light-based Technologies (ICLLT) 2021, Ankara, Turkey, 26 - 28 May 2021, pp.73

### **Citations**

Total Citations (WOS):15

h-index (WOS):2