

# ZAFER GÜLTEKİN

## RES. ASST. PHD

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### International Researcher IDs

ScholarID: LBTfRkAAAAJ

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Publons / Web Of Science ResearcherID: AAH-2586-2021

ScopusID: 57844911400

Yoksis Researcher ID: 307784



## Learning Knowledge

Doctorate  
2019 - 2024

Bursa Uludağ University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey

Associate Degree  
2019 - 2024

Bursa Uludağ University, Yenişehir İbrahim Orhan Myo, Makine Ve Metal Teknolojileri, Turkey

Postgraduate  
2016 - 2019

Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Fizik (YI) (Tezli), Turkey

Undergraduate  
2010 - 2016

Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, Fizik Bölümü, Turkey

## Dissertations

Postgraduate, NiCr İNCE FİLMLEİN ELEKTROKİMYASAL YÖNTEMLE ÜRETİLMESİ VE ÖZELLİKLERİNİN ARAŞTIRILMASI, 2019

## Academic Titles / Tasks

Research Assistant  
2019 - Continues

Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK

## Supported Projects

1. ALPER M., VATANSEVER D., KUŞ E., BOZDOĞAN E., ORHAN İ., ŞAFAK HACİİSMAİLOĞLU M., HACİİSMAİLOĞLU M. C., GÜLTEKİN Z., SUBAŞI E., Project Supported by Higher Education Institutions, Süperkapasitör ve spinOLEDlerde kullanılan malzemelerin yapısal özelliklerinin incelenmesi ve diğer özellikler ile karşılaştırılması, 2022 - Continues

2. Akay C., Gültekin Z., Altnölçek Gültekin N., Project Supported by Higher Education Institutions, Investigation of the Properties of Transition Metal Doped ZnO Thin Films, 2023 - 2024

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

1. **Synthesis of Di- and Tricationic Surfactants and Comparison of Their Activity on Oxidation of Metal in HCl Media**  
ÖZTÜRK S., GÜLTEKİN Z., Gültekin N., Akgül G., ALPER M.  
Protection of Metals and Physical Chemistry of Surfaces, vol.59, no.5, pp.998-1009, 2023 (SCI-Expanded)
2. **Effect of Mn doping on structural, optical and magnetic properties of ZnO films fabricated by sol-gel spin coating method**  
Gültekin Z., Alper M., Hacıismailoğlu M. C., Akay C.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.34, no.5, 2023 (SCI-Expanded)

### Articles Published in Other Journals

1. **Investigation of Spintronic Properties of Transition Metal Doped ZnO Thin Films Produced by Sol-Gel Spin Coating**  
Gültekin Z., Akay C., Altnölçek Gültekin N.  
SAKARYA UNIVERSITY JOURNAL OF SCIENCE, vol.28, no.5, pp.1064-1075, 2024 (Peer-Reviewed Journal)
2. **Production of ZnO thin films used in solar cell with a sol-gel homemade dip coater technique and investigated of their structural, morphological and optical properties**  
GÜLTEKİN Z., AKAY C., Gültekin N., ALPER M.  
Eurasian Journal of Physics and Functional Materials, vol.7, no.4, pp.213-220, 2023 (Scopus)
3. **Design and Construction of Home-Made Source Measure Unit**  
AKAY C., GÜLTEKİN Z.  
Engineering and Technology Journal, vol.3, no.7, pp.1183-1189, 2022 (Peer-Reviewed Journal)
4. **Design and Construction of Home-Made Spin Coater for OLED Production**  
Gültekin Z., Alper M., Akay C., Hacıismailoğlu M. C.  
International Journal of Electronics and Device Physics, vol.5, no.1, pp.0-11, 2021 (Peer-Reviewed Journal)

### Books & Book Chapters

1. **RECYCLING A SCRAPPED MAGNETIC STIRRER/HEATER USING AN ARDUINO MICROCONTROLLER**  
Gültekin Z., Altnölçek Gültekin N.  
in: International Research in Science and Mathematics, Prof. Dr. Filiz ÖZBAŞ GERÇEKER Prof. Dr. Hasan AKGÜL Doç. Dr. Hayri BABA, Editor, Serüven Yayınevi, İzmir, pp.83-93, 2022

### Courses

FİZİK 2, Undergraduate, 2017 - 2018, 2016 - 2017  
FİZİK 1, Undergraduate, 2017 - 2018, 2016 - 2017

### Patent

Gültekin Z., TEMAS AÇISI ÖLÇÜM CİHAZI, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Recourse Number: 2024/009091 , Standard Registration, 2024

## Scientific Refereeing

European Journal of Technique, National Scientific Refreed Journal, March 2024

## Metrics

Publication: 7

Citation (WoS): 7

Citation (Scopus): 2

H-Index (WoS): 2

H-Index (Scopus): 1

## Research Areas

Optics and Photonics, Magnetic Materials and Devices, Optical Materials and Devices, Optoelectronic Materials and Devices, Semiconducting Materials and Devices, Optics, Surfaces, Interfaces, Thin Films and Nanosystems, Electrical properties of electronic structures, interfaces, thin films and low-dimensional structures, Optical Properties, Spectroscopy of Matter, Electronic transport in condensed matter, Electrochemistry

## Non Academic Experience

Oyak Renault Otomobil Fabrikaları Anonim Şirketi