

ZAFER GÜLTEKİN

RES. ASST. PHD

Email : zafergultekin@uludag.edu.tr

Other Email : zafergultekin1@gmail.com

Office Phone : [+90 224 294 1894](tel:+902242941894)

Address : BUÜ Fen-Edebiyat Fakültesi Fizik Bölümü

Nilüfer/BURSA

International Researcher IDs

ScholarID: LBTfRkAAAAJ

ORCID: 0000-0001-8026-0379

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

ScopusID: 57844911400

Yoksis Researcher ID: 307784



Education

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

- Gültekin Z., Project Supported by Higher Education Institutions, High-Quality Handmade Solar Simulator Construction, 2025 - 2026
- 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 - 2025

3. Akay C., Gültekin Z., Altınöçek 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. **Resistance of di-cationic surfactant containing pyridinium ions to metal oxidation in 1.0 M HCl medium**
Öztürk S., Gültekin Z., Akgül G., Gece G., Olasunkanmi L. O.
APPLIED SURFACE SCIENCE, vol.692, pp.162741-162757, 2025 (SCI-Expanded)
2. **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)
3. **Effect of Mn doping on structural, optical and magnetic properties of ZnO films fabricated by sol-gel spin coating method**
Gültekin Z., Alper M., Hacismailoğlu 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., Altınöçek 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., Hacismailoğlu M. C.
International Journal of Electronics and Device Physics, vol.5, no.1, pp.0-11, 2021 (Peer-Reviewed Journal)

Books

1. **Recycling a Scrapped Magnetic Stirrer/Heater Using an Arduino Microcontroller**
Gültekin Z., Altınöçek 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

Papers Published in Refereed Scientific Meetings

1. **Synthesis of A Di-Cationic Surfactant Containing Two Pyridinium Ions And Anti-Corrosion Effect On Steel in 1.0 M HCl**

Öztürk S., Gültekin Z.

II. International BRITISH Congress on Interdisciplinary Scientific Research & Practices, London, England, 24 - 26
January 2025, pp.184

Courses

Undergraduate

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

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

Patent

Gültekin Z., FOTOLÜMİNESANS ÖLÇÜM SİSTEMİ, Patent, CHAPTER G Physics, The Invention Recourse Number:
2024/020223 , Standard Registration, 2024

Gültekin Z., ELEKTROLÜMİNESANS ÖLÇÜM SİSTEMİ, Patent, CHAPTER G Physics, The Invention Recourse Number:
2024/020218 , Standard Registration, 2024

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

Peer Reviews in Scientific Publications

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

Metrics

Publication: 9

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, Operatör