

## Asst. Prof. MUHAMMET OKUR

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: IZE-0875-2023

ScopusID: 57193706829

Yoksis Researcher ID: 194103

### Education Information

Doctorate, Sakarya University, Institute Of Science, Fizik (Dr), Turkey 2015 - 2023

Postgraduate, University of Essex, England 2011 - 2013

Undergraduate, Sivas Cumhuriyet University, Fen Fakültesi, Fizik Bölümü, Turkey 2005 - 2009

### Dissertations

Postgraduate, Transient and steady state hot electron transport in GaN high electron mobility transistor structures, University of Essex, 2013

### Research Areas

Physics, Atomic and Molecular Physics, Theory of Atoms and Molecules, Mechanical control of atoms, molecules and ions, Atomic Spectra and Photon Interactions, Atomic and Molecular Interactions, Molecular Properties and Interactions with Photon

### Academic Titles / Tasks

Assistant Professor, Bilecik Seyh Edebali University, Fen Fakültesi, Fizik, 2023 - Continues

Lecturer, Bilecik Seyh Edebali University, Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler Ve Teknikler, 2013 - 2023

### Academic and Administrative Experience

Bilecik Seyh Edebali University, 2014 - 2016

### Courses

ANALİZ I, Undergraduate, 2017 - 2018  
FİZİK I, Undergraduate, 2017 - 2018, 2013 - 2014  
TEMEL BİLGİ TEKNOLOJİSİ , Associate Degree, 2016 - 2017  
iş sağlığı ve güvenliği, Associate Degree, 2016 - 2017  
Temel Matematik, Associate Degree, 2016 - 2017  
TEMEL MATEMATİK, Undergraduate, 2016 - 2017  
FİZİK 1, Undergraduate, 2016 - 2017  
FİZİK II, Undergraduate, 2013 - 2014

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

- I. **Structural, Spectroscopic, Electronic Analysis with Nonlinear Optical Activity of L-Methionine L-Methioninium Hydrogen Maleate: A DFT Study**  
ÜNAL A., OKUR M., Atalay Y.  
Optics and Spectroscopy, vol.128, no.5, pp.582-589, 2020 (SCI-Expanded)
- II. **A theoretical study on N'-(Z)-(4-methylphenyl)methylidene] -4-nitrobenzohydrazide (NMPMN)**  
OKUR M., Albayrak N., Tamer Ö., Avcı D., Atalay Y.  
Brazilian Journal of Physics, vol.48, no.4, pp.398-405, 2018 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Conformational Analysis of N,N'-Phenylene-Diylbis[3-(1-Aminoethyl-6-Methyl-2H-Pyran-2,4(3H)-Dione]**  
ÜNAL A., OKUR M.  
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.5, no.2, pp.50-54, 2018 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Structural and Spectroscopic Investigations of 2-Methyl-Pyridinium Picrate**  
ALBAYRAK N., OKUR M., ÜNAL A., BAŞOĞLU A., ATALAY Y.  
Adım Physics Days VIII, Bilecik, Turkey, 12 - 15 September 2019, pp.64
- II. **A Study on Nonlinear Optical Properties and Spectroscopic of L-Pronilium Picrate**  
ALBAYRAK N., OKUR M., ÜNAL A., BAŞOĞLU A., ATALAY Y.  
Adım Physics Days VIII, Bilecik, Turkey, 12 - 15 September 2019, pp.70
- III. **DFT Calculations On Spectroscopic And Structural Properties Of MgCl<sub>2</sub>.6H<sub>2</sub>O.C<sub>2</sub>H<sub>4</sub>(OH)<sub>2</sub>**  
OKUR M., ALBAYRAK N., ÜNAL A., ATALAY Y.  
Adım Physics Days VIII, Bilecik, Turkey, 12 - 15 September 2019, pp.69
- IV. **A Study On Spectroscopic and Nonlinear Optical Properties of [Li(C<sub>8</sub>H<sub>5</sub>Cl<sub>2</sub>O<sub>2</sub>)(C<sub>12</sub>H<sub>8</sub>N<sub>2</sub>)(H<sub>2</sub>O)]**  
OKUR M., ALBAYRAK N., ÜNAL A., ATALAY Y.  
Adım Physics Days VIII, Bilecik, Turkey, 12 - 15 September 2019, pp.72
- V. **L-histidine maleate üzerinde teorik bir çalışma**  
OKUR M., ÜNAL A., ATALAY Y.  
ADIM FİZİK GÜNLERİ VI, Balıkesir, Turkey, 19 - 21 July 2017, pp.146
- VI. **Conformational analysis and h-DFT study of N,N'- phenylene-diylbis[3-(1-aminoethyl)-6-methyl-2H-pyran-2,4(3H)-dione]**  
OKUR M., ÜNAL A., ATALAY Y.  
3rd International Turkish Congress on Molecular Spectroscopy (TURCMOS2017), 26 - 29 August 2017
- VII. **Density functional theory calculations on spectroscopic and electrical properties of N,N'- propylene-**

**diylbis[3-(1-aminoethyl)-6-methyl-2H-pyran-2,4(3H)-dione]: a potential nonlinear optical material**  
OKUR M., ÜNAL A., ATALAY Y.

3rd International Turkish Congress on Molecular Spectroscopy (TURCMOS2017), 26 - 29 August 2017

VIII. **Theoretical and experimental vibrational spectroscopy study on rotational isomer of 4-phenylbutylamine**

ÜNAL A., OKUR M.

Turkish Physical Society 32nd International Physics Congress, TPS 2016, Konacik-Bodrum, Turkey, 6 - 09 September 2016, vol.1815

IX. **Theretical and experimental vibrational spectroscopystudy on rotational isomer of 4-phenylbutylamine.**

ÜNAL A., OKUR M.

urkish Physical Society 32nd International Physics Congress, 6 - 09 September 2016

X. **Quantum Mechanical Calculations On L Alaninium Maleate LAM**

OKUR M., TAMER Ö., AVCI D., ATALAY Y.

32nd Turkish Physical Society International Physics Congress, 6 - 09 September 2016

XI. **Molecular Structure and Vibrational Spectroscopic Analysis of Tetracyanomercurate II Ion**

ÜNAL A., OKUR M.

International Conference on Quantum Science and Applications (ICQSA-2016), Eskişehir, Turkey, 25 - 27 May 2016, pp.128

XII. **Molecular structure and vibrational spectroscopic analysis of tetracyanonomercurate**

ÜNAL A., OKUR M.

INTERNATIONAL CONFERENCE ON QUANTUM SCİENCE AND APPLİCATIONS, 25 - 27 May 2016

XIII. **A THEORETICAL STUDY ON N Z 4 METHYLPHENYL METHYLIDENE 4 NITROBENZOHYDRAZIDE NMPMN**

OKUR M., TAMER Ö., AVCI D., ATALAY Y.

ADIM FİZİK GÜNLERİ V, Turkey, 21 - 23 April 2016

XIV. **Theoretical ConformationalAnalysis of 4 phenylbutylamine**

OKUR M., ÜNAL A.

9th INTERNATIONAL PHYSICS CONFERENCEOF THE BALKAN PHYSICAL UNION, İstanbul, Turkey, 24 - 27 August 2015, pp.375

XV. **Overshoot Mechanism of Transient Excitation of THz and Gunn Oscillations in wide band gap Semiconductors**

MOMOX E., ZAKHLENİUK N., BALKAN N., OKUR M.

International Conference on superlattices , Nanostructures and Nanodevices, 22 - 27 July 2012