

## Lect. PhD KÜBRA UZUN

### Personal Information

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### Education Information

Doctorate, Karadeniz Technical University, -, Fizik, Turkey 2013 - Continues

Postgraduate, Karadeniz Technical University, -, Fizik, Turkey 2010 - 2013

Undergraduate, Karadeniz Technical University, Fen Edebiyat Fakültesi, Fizik Bölümü, Turkey 2004 - 2009

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Physics, Atomic and Molecular Physics, Theory of Atoms and Molecules, Natural Sciences

### Academic Titles / Tasks

Lecturer, Karadeniz Technical University, Rektörlük, Rektörlük, 2017 - Continues

Expert, Giresun University, Central Research Laboratory Application And Research Center, 2013 - 2017

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

- I. **Electronic structure and photophysical properties of some promising organic molecules for organic solar cells**  
Uzun K. K., Sayin S., ÇEVİK U.  
JOURNAL OF MOLECULAR MODELING, vol.29, no.10, 2023 (SCI-Expanded)
- II. **Comparison of charge transport and opto-electronic properties of pyrene and anthracene derivatives for OLED applications**  
UZUN K., SAYIN S., TAMER Ö., ÇEVİK U.  
Journal Of Molecular Modeling, vol.27, 2021 (SCI-Expanded)
- III. **Bound states of the D-dimensional Schrödinger equation for the generalized Woods-Saxon potential**  
Badalov\* V., Baris B., UZUN K.  
MODERN PHYSICS LETTERS A, vol.34, pp.1-20, 2019 (SCI-Expanded)
- IV. **Bound state solution of the Klein-Fock-Gordon equation with Hulthen plus a ring shaped-like potential within SUSY quantum mechanics**  
Nagihev S., Ahmadov A., UZUN K., Qocaveya M.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.5, pp.1-23, 2018 (SCI-Expanded)

- V. A theoretical scaling for rectifying and surface properties of highly-crystalline N-C anthracene Schottky junctions  
Varol S. F., Sayin S., Eymur S., Uzun K.  
MATERIALS RESEARCH BULLETIN, vol.85, pp.249-254, 2017 (SCI-Expanded)
- VI. Flux Pinning in YBCO Single Crystal Grown on Y2O3 Layer  
Cakir B., AYDINER A., KARAOGLU K., DUMAN S., YANMAZ E.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.27, no.5, pp.1123-1129, 2014 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. Bazı Organik Yarı İletken Moleküller Üzerine Yapılan Kuantum Kimyasal Hesaplamalar  
Uzun K., Çevik U.  
2nd International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 15 - 17 October 2022,  
pp.1-2
- II. Investigation of Properties CuIn<sub>0.7</sub>Ga<sub>0.3</sub>Se<sub>2</sub> Thin Films Deposited with Termal Evaporation for PV Applications  
Yağız m., FİAT VAROL S., UZUN K.  
4. Uluslararası Katılımlı Anadolu Enerji Sempozyumu, 18 - 20 April 2018
- III. DFT Calculations of Hybrid Compound Based on Curcumin and Thalidomide for Multiple Myeloma  
UZUN K., ÇEVİK U., ATALAY Y.  
III. International Turkish Congress on Molecular Spectroscopy (TURCMOS2017), 26 - 29 August 2017
- IV. Analytical solutions to the Kratzer potential in the presence of a constant magnetic field: non-relativistic neutral 2-body system  
Uzun O., UZUN K., ÇEVİK U.  
TURCMOS 2017, 26 - 29 May 2017
- V. The Role of Annealing Temperature on CuInSe<sub>2</sub> Thin Films as Solar Cells Material  
FİAT VAROL S., UZUN K., ÇANKAYA G., KORALLI P.  
International Semiconductor Science and TechnologyConference 2015, 11 - 15 May 2015

## Supported Projects

Uzun K., Çevik U., TUBITAK Project, Bazı Organik Yarıiletken Moleküllerin Yapısal Özellikleri ile Organik Elektronik Aygıtlarda Kullanılma Kapasiteleri Arasındaki İlişkinin Yoğunluk Fonksiyonel Teorisi Yardımıyla Belirlenmesi, 2018 - 2019

## Metrics

Publication: 11  
Citation (WoS): 16  
Citation (Scopus): 16  
H-Index (Scopus): 3