

## Lect. Seda KIN BARKA

### Personal Information

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### Education Information

Post Graduate, Miami University, Faculty of Science and Letters, Department of Physics, United States Of America 2003 - 2005

Under Graduate, Istanbul University, Turkey 1998 - 2002

### Foreign Languages

English, B2 Upper Intermediate

German, C1 Advanced

### Dissertations

Post Graduate, Collisional depolarization of the atomic Cs  $6s2S1/2-10s2S3/2,9d2D5/2$  transition with argon buffer gas, Miami University, Faculty of Science and Letters, Physics, 2005

### Research Areas

Physics, Atomic and Molecular Physics, Atomic Spectra and Photon Interactions, Molecular Properties and Interactions with Photon, Optics, Natural Sciences

### Academic Titles / Tasks

Lecturer, Acibadem Mehmet Ali Aydınlar University, Sağlık Hizmetleri Meslek Yüksekokulu, 2015 - Continues

### Professional Experience

Program Koordinatörü, Acibadem Mehmet Ali Aydınlar University, Sağlık Hizmetleri Meslek Yüksekokulu, Optisyonluk Bölümü, 2015 - Continues

Araştırma Görevlisi Fakülte Temsilcisi, Miami University, Faculty of Science and Letters, Department of Physics, 2003 - 2005

### Courses

Fizik ve Geometrik Optik I, Associate Degree, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020  
Ayak Biyomekaniği, Associate Degree, 2019 - 2020  
Mathematics, Associate Degree, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020  
Ayak Biyomekaniği, Associate Degree, 2019 - 2020  
Physics, Under Graduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020  
Fizik ve Geometrik Optik II, Associate Degree, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020  
Fizik, Associate Degree, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020  
Ayak Biyomekaniği I, Associate Degree, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019  
Ayak Biyomekaniği I, Associate Degree, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019  
Mekanik, Associate Degree, 2015 - 2016, 2016 - 2017  
Associate Degree, 2015 - 2016

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

- I. **Studies on kyotorphin and d-kyotorphin in aqueous solution by Raman spectroscopy**  
Akyuz S., BAŞAR G., Başar G., Kin S., Kröger S.  
Journal of Molecular Structure, pp.42-46, 2009 (Journal Indexed in SCI)
- II. **Monitoring of spectroscopic changes of a single trapped fission yeast cell by using a Raman tweezers set-up**  
Başar G., Kin S.  
Optics Communications, vol.281, no.19, pp.4998-5003, 2008 (Journal Indexed in SCI)
- III. **Raman scattering spectroscopy of liquid nitrogen molecules: An advanced undergraduate physics laboratory experiment**  
Sands B., Welsh M., Kin S., Marhatta R., Hinkle J., Bayram S.  
American Journal of Physics, vol.75, no.6, pp.488-495, 2007 (Journal Indexed in SCI)
- IV. **Collisional depolarization of Zeeman coherences in the Cs133 6p P 3/2 level: Double-resonance two-photon polarization spectroscopy**  
Bayram S., Kin S., Welsh M., Hinkle J.  
Physical Review A - Atomic, Molecular, and Optical Physics, vol.73, no.4, 2006 (Journal Indexed in SCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Collisional depolarization of the atomic Cs-6s2S<sub>1/2</sub>→10s2S<sub>1/2</sub> transition with argon buffer gas**  
Kin Barka S.  
Meeting of the Division of Atomic, Molecular and Optical Physics, Nebraska, United States Of America, 17 - 21 May 2005

## Citations

Total Citations (WOS):20

h-index (WOS):3