

Lect. Seda KIN BARKA

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, Turkey 2006 - Continues

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

Undergraduate, Istanbul University, Faculty Of Science, Department Of Physics, Turkey 1998 - 2002

Foreign Languages

English, B2 Upper Intermediate

German, C1 Advanced

Dissertations

Postgraduate, Collisional depolarization of the atomic Cs atomic cesium $6s2S_{1/2}-10s2S_{3/2}, 9d2D_{5/2}$ transition with argon buffer gas, Miami University, Faculty of Science and Letters, Physics Department, 2005

Academic Titles / Tasks

Lecturer, Acibadem Mehmet Ali Aydınlar University, Vocational School Of Health Services, Opticianry, 2015 - Continues

Academic and Administrative Experience

Dış Paydaş İlişkileri Komisyonu, Acibadem Mehmet Ali Aydınlar University, Vocational School Of Health Services, Opticianry, 2019 - Continues

Bölüm Stratejik Plan Komisyonu Üyesi, Acibadem Mehmet Ali Aydınlar University, Vocational School Of Health Services, Opticianry, 2019 - Continues

Courses

Physics and Geometric Optics II, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Physics and Geometrik Optics I, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Foot Biomechanics I, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Foot Biomechanics I, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Physics, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Physics, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Studies on kyotorphin and D-kyotorphin in aqueous solution by Raman spectroscopy**
Akyuz S., BAŞAR G., Başar G., Kin S., Kroeger S.
JOURNAL OF MOLECULAR STRUCTURE, vol.924, pp.42-46, 2009 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)

Articles Published in Other Journals

- I. **Verification of the Existence of Recently Published New Energy Levels of Atomic Holmium**
BİNGÖL D., BAŞAR G., BAŞAR G., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., KIN BARKA S., KRÖGER S.
Istanbul University, vol.1, 2023 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Interaction Of Kyotorphin In Different Concentrations With The Membrane Of Optically Trapped Dmpc Vesicle**
BAŞAR G., BAŞAR G., KIN BARKA S., PARLATAN U., ŞEYMA Ş.
XXII INTERNATIONAL CONFERENCE ON RAMAN SPECTROSCOPY, BOSTON, United States Of America, 8 - 10 August 2010, pp.335
- II. **Investigation of Biological Particles Using Optical Tweezers Raman Spectrometer**
KIN BARKA S., BAŞAR G., PARLATAN U., PARLATAN Ş.
Nano Workshop Istanbul Technical University, Turkey, 2 - 04 January 2009
- III. **Construction of Optical Tweezer Raman System**
KIN BARKA S., PARLATAN U.
ISCOM 2008, 3 - 07 September 2007
- IV. **Construction of a Raman Tweezers system for investigation of biomolecules**

BAŞAR G., KIN BARKA S., AKYÜZ S.

International Symposium on Molecular Spectroscopy 62nd Meeting, 18 - 22 June 2007

V. **Collisional depolarization of the atomic Cs-6s2S1/2→10s2S1/2 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

Metrics

Publication: 10

Citation (WoS): 23

Citation (Scopus): 25

H-Index (WoS): 3

H-Index (Scopus): 3