

Gizem Büşra KELLER

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Education

2019-Present *PhD Physics, Department of Physics, Akdeniz University*

2015-2019 *MSc Physics, Department of Physics, Akdeniz University, Antalya/Turkey*

Thesis Title: 'Investigation of Solid-Liquid Phase Transition Dynamics in Microgels by Video Microscopy'

2014-2015 *Pedagogical Formation, College of Education, Akdeniz University, Antalya/Turkey*

2010-2014 *BS Physics, Department of Physics, Akdeniz University, Antalya/Turkey*

Computer Skills

Windows, Linux, Microsoft Office Programs

Programming Languages

IDL, Matlab, Gf3 Radware, Mathematica, Phyton

Language Skills

Turkish (Native), English

Work Experience

- **Research Assistant, TUBITAK 1001 Research Project 116M396** 'Colloid Solid Phase Transition Dynamics and Colloidal Crystal Elasticity under Two and Three Dimensional Confinement', *Antalya/Turkey, July 2017-September 2018*
 - ✓ *Grew colloidal crystals under controlled environment*
 - ✓ *Examined crystal dynamics via image analysis*
 - ✓ *Measured the phase transitions of colloid crystals with temperature change*
 - ✓ *Supervised laboratory microscope and optics setup*
- **Voluntary Teaching Assistant, (Electrical and Magnetism Laboratory, Mechanical Laboratory), Dept. of Space Sciences and Technologies, Akdeniz University, Antalya /Turkey, September 2017- June 2018**
 - ✓ *Planned the experimental setup*
 - ✓ *Supervised students for the experimental work*
 - ✓ *Prepared and graded exams*
- **Physics Teacher, Private Final High School, Manavgat-Antalya/Turkey, October 2016-June 2017**
- **Physics Teacher, Mehmet Zeki Balci Vocational High School, Antalya/Turkey, September 2015 -February 2016**
- **Private Tutor for high school, middle school math and sciences. Antalya/Turkey, 2012-Present**
 - ✓ *Taught physics courses to 10th, 11th, 12th classes*
 - ✓ *Tutored students for their homework and extracurricular activities*
 - ✓ *Coordinated students for their science projects*

Publication, Presentations

- *Boztosun İ. et. al* 'The Results of the First Photonuclear Reaction Performed in Turkey: The Zinc Example' *Turkish Journal of Physics, vol.38, no.1, pp.1-9, 2014*
- *Keller G.B. et al*, 'Gamma-ray Spectroscopy' *International Workshop on Acceleration and Application of Heavy Ions, Warsaw/Poland, February 23- March 10, 2013*

Conferences and Workshop

- *8th İzmir Meeting of Condensed Matter Physics, April 19, 2019*
- *XXIII School of Pure and Applied Biophysics, Venice/ Italy, February 4-8, 2019*
- *'V.Adım Physics Days', Osmangazi University, Eskişehir/Turkey, April 21-23, 2016*
- *Occupational Health and Safety Training, Antalya/Turkey, January 4-14, 2016*
- *LUMIDOZ: The 9th International Conference on Luminescence and ESR Dosimetry, Antalya/Turkey, September 2-4, 2015*
- *International Workshop on Acceleration and Application of Heavy Ions, Warsaw/Poland, February 23- March 10, 2013*

References: Available upon request