

## CV

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4. **AREA OF EXPERTISE:** Nuclear Physics

### 5. EDUCATION

- İstanbul University, Institute of Graduate Studies in Science and Engineering, Department of Physics (Ph.D.).
- İstanbul University, Institute of Graduate Studies in Science and Engineering, Department of Physics (M.Sc.).
- Dokuz Eylül University, Faculty of Science, Department of Physics (Bachelor's degree).

### 6. PUBLICATIONS

- Tekin, Hüseyin Ozan, Ghada Al Mısned, Gülfem Süsoy Doğan, Fatema T. Alı, Duygu Şen Baykal, Antoaneta Ene, Shams A. M. Issa, Yasser S. Rammah, and Hesham M. H. Zakaly. 2022. "Transmission Factor Tf Behavior Of Bi<sub>2</sub>O<sub>3</sub> Teo<sub>2</sub> Na<sub>2</sub>o Tio<sub>2</sub> Zno Glass System A Monte Carlo Simulation Study." *Sustainability* 14 (2893), 2022. DOI:<https://dx.doi.org/10.3390/su14052893>.
- Şen Baykal, D. , Tekin, H. , Çakırlı Mutlu, R.,. An Investigation on Radiation Shielding Properties of Borosilicate Glass Systems. *International Journal of Computational and Experimental Science and Engineering (IJCESEN)*, 7 (2), 99-108, 2021. DOI:10.22399/ijcesen.960151.
- D. Sen Baykal, R. B. Cakirli Mutlu, R. F. Casten, (2016). "Extraction of Zgamma Including Finite N-Effect with B(E2) Values and Mikhailov Analysis," presented at the Turkish Pysical Society 32nd International Physics Congress, Bodrum/Turkey.
- D. Sen Baykal and R. B. Cakirli Mutlu, (2014). "Radon Measurement Systems" presented at the Turkish Pysical Society 31st International Physics Congress, Bodrum/Turkey.