

## Asst. Prof. AYŞE KARAOĞLU

### Personal Information

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### Education Information

Doctorate, Ege University, Fen Bilimleri Enstitüsü, Nükleer Uygulamalar (Dr), Turkey 2010 - 2017

Postgraduate, Balikesir University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Turkey 2008 - 2010

Undergraduate, Ege University, Fen Fakültesi, Fizik Bölümü, Turkey 2003 - 2008

### Dissertations

Doctorate, Bor nötron yakalama terapisinde oluşan yüksek lineer enerji transferli parçacıkların hücreyi dozimetrisi, Ege University, Fen Bilimleri Enstitüsü, Nükleer Uygulamalar (Dr), 2017

Postgraduate, Dört dişli Schiff bazi ligandları kullanılarak elde edilen cn köprüülü çok çekirdekli metal komplekslerinin sentezlenmesi, kristal yapı ve manyetik özelliklerinin incelenmesi, Balikesir University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2010

### Courses

Teze Giriş ve Seminer, Postgraduate, 2022 - 2023

Fizik 2, Undergraduate, 2022 - 2023

FİZİK I, Undergraduate, 2023 - 2024

Fizik 1, Undergraduate, 2022 - 2023

Fizik 1, Undergraduate, 2022 - 2023, 2021 - 2022

Bilimsel Araştırma Teknikleri, Postgraduate, 2022 - 2023

Teze Giriş ve Seminer, Postgraduate, 2022 - 2023

Biyofizik, Undergraduate, 2021 - 2022

Fizik 2, Undergraduate, 2021 - 2022

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

#### I. Estimating and minimizing movement artifacts in surface electromyogram

Karacan I., TOPKARA ARSLAN B., KARAOĞLU A., Aydin T., Gray S., Ungan P., TÜRKER K. S.

Journal of Electromyography and Kinesiology, vol.70, 2023 (SCI-Expanded)

#### II. A reliability study on the cumulative averaging method for estimating effective stimulus time in vibration studies

Kilic A., Soytürk G., Karaoglu A., Topkara Arslan B., Karacan I., Türker K. S.

Journal of Electromyography and Kinesiology, vol.70, 2023 (SCI-Expanded)

- III. A new method to determine stretch reflex latency**  
 Topkara B., Aydin T., Corum M., Karaoglu A., Ekici Zincirci D., S Bugdayci D., Ones K., Paker N., Kesiktas N., Karacan I., et al.  
*Muscle and Nerve*, vol.64, no.6, pp.726-733, 2021 (SCI-Expanded)
- IV. Calculation by GAMOS/Geant4 simulation of cellular energy distributions from alpha and lithium-7 particles created by BNCT**  
 Karaoglu A., Arce P., Obradors D., Lagares J. I., Unak P.  
*Applied Radiation and Isotopes*, vol.132, pp.206-211, 2018 (SCI-Expanded)
- V. Synthesis, crystal structure, magnetic properties and computational study of a series of cyano-bridged MnIII-FeIII complexes**  
 Kara H., Azizoglu A., Karaoglu A., Yahsi Y., Gungor E., Caneschi A., Sorace L.  
*CrystEngComm*, vol.14, no.21, pp.7320-7329, 2012 (SCI-Expanded)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. Frekansogram ile kısa-interval intrakortikal inhibisyonun incelenmesi**  
 Kaya İ., KARAOĞLU A., TOPKARA ARSLAN B., UYSAL H., TÜRKER K. S.  
 59. Ulusal Nöroloji Kongresi, 13 - 18 December 2023
- II. Cellular Microdosimetry of Alpha and Lithium-7 for Boron Neutron Capture Therapy,**  
 KARAOĞLU A., ÜNAK P.  
 Hazerfan International Congress of Science, Mathematics and Engineering Sciences, 8 - 10 November 2019
- III. Structure and Magnetic properties of Manganese(III)-Schiff-Base-Hexacyanoferrate-Polymeric Compound**  
 KARAOĞLU A., KARA SUBAŞAT H., Kurtaran R., AZİZOĞLU A., Hughes R., Haddow M., Haddow M.  
 26. European Crystallographic Meeting, 29 August - 02 September 2010
- IV. The cyano-bridged pentanuclear Fe(III)3 cluster: Structure and magnetic properties**  
 KARAOĞLU A., KARA SUBAŞAT H., Kurtaran R., AZİZOĞLU A., Yahşi Y., Sorace L.  
 Türk Fizik Derneği 26. Uluslararası Fizik Kongresi, 24 - 27 September 2009
- V. The three-dimensional network structure and magnetic characterization of a cyano-bridged Mn(III)-Fe(III) bimetallic complex**  
 KARA SUBAŞAT H., KARAOĞLU A., Kurtaran R., AZİZOĞLU A., Haddow M., Sorace L.  
 6. Nanobilim ve Nanoteknoloji Konferansı, 15 - 18 June 2010
- VI. Synthesis and structure analysis of Cu(II) compound**  
 KARAOĞLU A., KARA SUBAŞAT H.  
 6. Nanobilim ve Nanoteknoloji Konferansı, 15 - 18 June 2010
- VII. The cyano-bridged pentanuclear Mn(III)4Fe(III) cluster: Structure and magnetic properties**  
 KARAOĞLU A., KARA SUBAŞAT H., Kurtaran R., AZİZOĞLU A., Yahşi Y., Sorace L., Hughes R., Haddow M.  
 25. European Crystallographic Meeting, 16 - 21 August 2009