

## Res. Asst. PhD YASEMİN ÜNAL ŞAHİN

### Personal Information

Office Phone: [+90 286 218 0018](tel:+902862180018) Extension: 2661

Email: [yaseminunal@comu.edu.tr](mailto:yaseminunal@comu.edu.tr)

Web: <https://avesis.comu.edu.tr/yaseminunal>

### Education Information

Doctorate, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2010 - 2017

Postgraduate, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2007 - 2010

### Foreign Languages

German, B1 Intermediate

English, B2 Upper Intermediate

### Dissertations

Doctorate, ETKİN ALAN TEORİSİNDE VEKTÖR MEZON OKTET İLE BARYON OKTETİN ETKİLEŞİMİ VE NÜKLEON-DELTANIN AKSİYAL GEÇİŞ YAPI FAKTÖRLERİ , Canakkale Onsekiz Mart University, Fen Fakültesi, Fizik, 2017

Postgraduate, FENOMENOLOJİK YAKLAŞIMDA MEZON BOZUNUMLARI , Canakkale Onsekiz Mart University, Fen Fakültesi, Fizik, 2010

### Research Areas

Physics, Basic Particles and Areas, General Theory of Particles and Fields, Properties of special particles, Special reactions and phenomenology, Natural Sciences

### Academic Titles / Tasks

Research Assistant PhD, Canakkale Onsekiz Mart University, Fen Fakültesi, Fizik, 2009 - Continues

### Articles Published in Other Journals

- I. Pseudoscalar form factors of the Delta(1232) in Baryon Chiral Perturbation Theory  
ÜNAL ŞAHİN Y.  
TURKISH JOURNAL OF PHYSICS, vol.44, no.3, pp.280-287, 2020 (ESCI)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Axial Nucleon-Delta Transition Form Factors in Chiral Perturbation Theory**  
ÜNAL Y.  
SFB School 2017 Boppard, 29 September - 01 August 2017
- II. **Baryon Kiral Pertürbasyon Teorisinde Nükleon-Deltanın CA5 Aksiyal Geçiş Yapı Faktörü**  
ÜNAL Y., KÜÇÜKARSLAN A.  
İstanbul Yüksek Enerji Fiziği Çalıştayı (YEFIST 2017), Turkey, 6 - 07 May 2017
- III. **Constraint Analysis for the Interaction of the Vector Meson with the baryon Octet**  
ÜNAL Y., KÜÇÜKARSLAN A., scherer s.  
DPG Conferences 2015, 01 April 2015
- IV. **Constraint analysis for the interaction of the vector-meson octet with the baryon octet**  
Unal Y., Kucukarslan A., Scherer S.  
4th International Conference on Hadron Physics, TROIA 2014, Çanakkale, Turkey, 1 - 05 July 2014, vol.562
- V. **Scalar Mesons in the Decay  $\phi \rightarrow K^0 \bar{K}^0 \gamma$**   
ÜNAL Y., KÜÇÜKARSLAN A.  
3rd International Hadron Physics Conference, TROIA'11: Journal of Physics: Conference Series., Çanakkale, Turkey, 22 - 25 August 2011, vol.348, pp.12018
- VI. **Scalar Mesons in the Decay  $\phi \rightarrow K^0 \bar{K}^0 \gamma$**   
ÜNAL ŞAHİN Y., KÜÇÜKARSLAN A.  
3rd International Conference on Hadron Physics (TROIA), Çanakkale, Turkey, 22 - 25 August 2011, vol.348
- VII. **The Effects of  $f_2$  Tensor Meson in Radiative  $\phi \rightarrow \pi^0 \pi^0 \gamma$  Decay**  
KÜÇÜKARSLAN A., ÜNAL Y., AÇIKSÖZ E.  
28th International Physics Congress, Türk Fizik Derneği (TFD28), Bodrum-Muğla, Turkey, 6 - 09 September 2011
- VIII. **The  $\phi \rightarrow a_0 \gamma$  Decay in Phenomenological Approach**  
ÜNAL Y., KÜÇÜKARSLAN A.  
28th International Physics Congress, Türk Fizik Derneği (TFD28), Bodrum-Muğla, Turkey, 6 - 09 September 2011
- IX. **Different Contributions of the Decay  $\phi \rightarrow \pi^+ \pi^- \pi^0 \gamma$**   
KÜÇÜKARSLAN A., ÜNAL Y.  
International Congress on Advances in Applied Physics and Materials Science, APMAS, Book Series: AIP Conference Proceedings, Antalya, Turkey, 12 - 15 May 2011, vol.1400, pp.186-189
- X. **Radiative  $\phi \rightarrow \sigma \gamma$  Vertex in QCD Sum Rules and Phenomenological Approach**  
KÜÇÜKARSLAN A., Ozdem U., ÜNAL ŞAHİN Y.  
1st International Congress on Advances in Applied Physics and Materials Science (APMAS), Antalya, Turkey, 12 - 15 May 2011, vol.1400, pp.190-193
- XI. **Different Contributions of the  $\phi \rightarrow K^0 \bar{K}^0 \gamma$  Decay**  
KÜÇÜKARSLAN A., ÜNAL ŞAHİN Y.  
1st International Congress on Advances in Applied Physics and Materials Science (APMAS), Antalya, Turkey, 12 - 15 May 2011, vol.1400, pp.186-189
- XII.  **$\phi \rightarrow K^0 \bar{K}^0 \gamma$  Decay in Phenomenological Approach**  
ÜNAL Y., KÜÇÜKARSLAN A.  
27th International Physics Congress, Türk Fizik Derneği (TFD27), İstanbul, Turkey, 14 - 17 September 2010

## Supported Projects

KÜÇÜKARSLAN A., ÜNAL Y., Project Supported by Higher Education Institutions, Chiral Pertürbasyon Teorisinde Sözdeskalar Yapı Faktörlerinin Hesaplanması, 2019 - 2020

## Metrics

Publication: 13

## **Scholarships**

Arařtırma Bursu, University, 2017 - Continues

Arařtırma Bursu, University, 2015 - Continues

2214 A Yurt Dıřı Doktora Sırası Arařtırma Burs Programı, University, 2013 - Continues