

## Res. Asst. PhD ALEV DUYGU KUZU

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ACF-0612-2022

Yoksis Researcher ID: 281268

### Education Information

Doctorate, Akdeniz University, Institute of Health Sciences , Biyofizik, Turkey 2014 - 2023

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Vocational Training, EĞİTİCİ EĞİTİMİ-AKUZEM, Akdeniz Üniversitesi, 2023

Education Management and Planning, Tübitak-1001 Araştırma Projesi Hazırlama Eğitimi, Akdeniz Üniversitesi, 2015

Health&Medicine, Deney Hayvanları Kullanım Sertifikası (Kategori B), Akdeniz Üniversitesi Hayvan Deneyleri Yerel Etik Kurulu, 2014

Education Management and Planning, Tübitak-FEAD I. Lisansüstü Yaz Okulu, Çanakkale Onsekiz Mart Üniversitesi, 2013

### Dissertations

Doctorate, Akdeniz University, Faculty Of Medicine, Department Of Basic Medical Sciences, 2023

### Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biophysics

### Academic Titles / Tasks

Research Assistant, Akdeniz University, Faculty of Medicine, Department of Basic Medical Sciences, 2018 - Continues

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

- I. **Modulation of oxidative stress and apoptosis by alteration of bioactive lipids in the pancreas, and effect of zinc chelation in a rat model of Alzheimer's disease.**  
Acun A. D., Kantar D.  
Journal of trace elements in medicine and biology : organ of the Society for Minerals and Trace Elements (GMS), vol.85, pp.127480, 2024 (SCI-Expanded)
- II. **Investigation of Cyclo-Z Therapeutic Effect on Insulin Pathway in Alzheimer's Rat Model: Biochemical and Electrophysiological Parameters**  
Acun A. D., Kantar D., Er H., Erkan O., Derin N., Yargicoglu P.  
MOLECULAR NEUROBIOLOGY, vol.60, no.7, pp.4030-4048, 2023 (SCI-Expanded)
- III. **Anxiolytic-like effects of extremely low frequency electric field in stressed rats: involvement of 5-HT<sub>2C</sub> receptors.**  
Kantar D., Acun A. D., Er H., Afsar E., Yargicoglu P.  
International journal of radiation biology, vol.99, no.9, pp.1473-1482, 2023 (SCI-Expanded)
- IV. **Effects of thymoquinone on scopolamine-induced spatial and echoic memory changes through regulation of lipid peroxidation and cholinergic impairment.**  
Kantar D., Acun A. D., DANIŞMAN B.  
Behavioural brain research, vol.431, pp.113972, 2022 (SCI-Expanded)
- V. **Protective role of rosmarinic acid on amyloid beta 42-induced echoic memory decline: Implication of oxidative stress and cholinergic impairment**  
Kantar Gok D., Hidisoglu E., OCAK G. A., ER H., Acun A. D., Yargıçođlu P.  
NEUROCHEMISTRY INTERNATIONAL, pp.1-13, 2018 (SCI-Expanded)
- VI. **Decrease of Auditory Evoked Delta, Alpha and Beta Oscillatory Responses in D-galactose Induced Aging Model: Effects of Rosmarinic Acid**  
GOK D., Hidisoglu E., ER H., Acun A. D., YARGICOGLU P.  
International Journal of Gerontology, vol.12, no.3, pp.255-260, 2018 (SCI-Expanded)
- VII. **Protective role of rosmarinic acid on amyloid beta 42-induced echoic memory decline: Implication of oxidative stress and cholinergic impairment**  
KANTAR GÖK D., HİDİŞOĞLU E., OCAK G. A., ER H., ACUN A. D., YARGIÇOĐLU AKKİRAZ P.  
NEUROCHEMISTRY INTERNATIONAL, vol.118, pp.1-13, 2018 (SCI-Expanded)
- VIII. **Alterations in spontaneous delta and gamma activity might provide clues to detect changes induced by amyloid- $\beta$  administration**  
Hidisoglu E., Kantar-Gok D., ER H., ACUN A. D., Yargıçođlu P.  
European Journal of Neuroscience, vol.47, no.8, pp.1013-1023, 2018 (SCI-Expanded)
- IX. **Changes of auditory event-related potentials in ovariectomized rats injected with d-galactose: Protective role of rosmarinic acid.**  
Kantar-Gok D., Hidisoglu E., Er H., Acun A. D., Olgar Y., Yargicoglu P.  
Neurotoxicology, vol.62, pp.64-74, 2017 (SCI-Expanded)
- X. **Elastic and phonon properties of FeSi and CoSi in the B2 structure**  
Acun A. D., Soyalp F.  
PHILOSOPHICAL MAGAZINE, vol.92, no.5, pp.635-646, 2012 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Effects of Acetyl-L-Carnitine Administration on Auditory Evoked Potentials in Rats Exposed to Chronic Ethanol**  
ER H., Kantar D., Acun A. D., Sinen A. G., DERİN N., Kelek S.  
International Journal of Computational and Experimental Science and Engineering, vol.10, no.1, pp.6-10, 2024 (Scopus)
- II. **Evaluate the effects of rosmarinic acid in ovariectomized rats: urethane-induced cortical oscillations**  
KANTAR GÜL D., ACUN A. D., ER H.

## Refereed Congress / Symposium Publications in Proceedings

- I. **Auditory Network Modulation of Rosmarinic Acid in a Rat Model of Ketamine-Induced Schizophrenia**  
Acun A. D., Kantar Gül D.  
5th International 34th National Biophysics Congress, İzmir, Türkiye, 6 - 09 Eylül 2023, İzmir, Turkey, 06 September 2023, pp.88-89
- II. **"The Effects of Acetyl-L-Carnitine Administration on Auditory Evoked Potentials in Rats Subjected to Chronic Ethanol Exposure"**  
Er H., Kantar Gül D., Kuzzu A. D., Derin N., Ercan Kelek S.  
5th International 34th National Biophysics Congress, İzmir, Turkey, 6 - 09 September 2023, pp.90-91
- III. **Dose Dependent Effects of Amyloid Beta 1-42 on Auditory Evoked Potentials**  
HİDİŞOĞLU E., KANTAR GÖK D., ACUN A. D., ER H., YARGIÇOĞLU AKKİRAZ P.  
3rd Annual International Conference on Biology, Athena, Greece, 19 - 22 June 2017, pp.20-21
- IV. **Deneysel Alzheimer Modelinde Beyinde Ortaya Çıkan Biyokimyasal ve Histolojik Değişiklikler**  
ER H., KANTAR GÖK D., HİDİŞOĞLU E., ACUN A. D., YARGIÇOĞLU AKKİRAZ P.  
27. Ulusal Biyofizik Kongresi, Malatya, Turkey, 29 September - 03 October 2015, pp.213-214
- V. **Kronik 2100-MHz Elektromanyetik Radyasyonun Görsel Uyarılma Potansiyellerine Etkisi**  
YARGIÇOĞLU AKKİRAZ P., HİDİŞOĞLU E., KANTAR GÖK D., ER H., Akpınar D., ACUN A. D., ÖZEN Ş.  
3. Elektromanyetik Alanlar ve Etkileri Sempozyumu, Mersin, Turkey, 29 September - 03 October 2015

## Supported Projects

KANTAR GÜL D., AFŞAR E., ER H., KENCEBAY MANAS C., KUZUZU A. D., Project Supported by Higher Education Institutions, Travma sonrası stres bozukluğu sıçan modelinde osiloterapötik olarak alfa uyarımlarının etkisi, 2024 - Continues

Kantar Gül D., Kuzzu A. D., Derin N., Gülbetkin E., Uslu S., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Electrophysiological correlates of stress resilience in default mode network and affective responses: a machine learning study., 2023 - 2024

ER H., DERİN N., SATI G. L., ERCAN KELEK S., KANTAR D., KUZUZU A. D., Zengin G., Gemici A., Project Supported by Higher Education Institutions, Kronik etanole maruz kalan sıçanlarda asetil-L-Karnitin uygulamasının EEG üzerine etkileri, 2022 - 2024

Afşar E., Kuzzu A. D., Kantar Gül D., Project Supported by Higher Education Institutions, Changes of hepatic sphingolipid metabolism in early Alzheimer's disease and the effects of Cyclo-Z therapeutic agent on this change, 2022 - 2023

Kuzzu A. D., Kantar Gül D., Er H., Derin N., Project Supported by Higher Education Institutions, Alzheimer Modelinde Gözlenen İnsülin Yolağı Değişiklikleri Üzerinde Siklo-Z Teröpatik Etkisinin Biyokimyasal ve Elektrofizyolojik Parametreler Yardımıyla İncelenmesi, 2017 - 2023

## Metrics

Publication: 17  
Citation (WoS): 54  
Citation (Scopus): 70  
H-Index (WoS): 4  
H-Index (Scopus): 5

## **Congress and Symposium Activities**

5th International/34th National BiophysicsCongress, Working Group, İzmir, Turkey, 2023