



# MEHMET KUZUCU

## ASSOC. PROF.

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Fakültesi Biyoloji Bölümü B1-104 nolu oda, Yalnızbağ

Yerleşkesi/ERZİNCAN

International Researcher IDs

ORCID: 0000-0002-7786-7687

Publons / Web Of Science ResearcherID: S-8751-2016

Yoksis Researcher ID: 32606



### Learning Knowledge

Doctorate  
2011 - Continues

Ataturk University, Fen Bilimleri Enstitüsü, Biyokimya, Turkey

Doctorate  
2013 - 2016

Erzincan Üniversitesi, Fen Bilimleri Enstitüsü, Biyoloji (Moleküler Biyoloji), Turkey

Postgraduate  
2009 - 2011

Erzincan Üniversitesi, Fen Bilimleri Enstitüsü, Biyoloji (Moleküler Biyoloji), Turkey

Undergraduate  
2003 - 2009

Ege University, Faculty Of Science, Biyokimya Bölümü, Turkey

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, DEINOCOCCUS RADIODURANS'IN HÜCRE İÇİ pH HOMEOSTASİSİNDE GÖREVLİ BAZI GENLERİNİN İFADE DÜZEYLERİNE GAMA İŞİNİ VE pH ETKİSİNİN RT-QPCR YÖNTEMİ İLE İNCELENMESİ, Erzincan Üniversitesi, Biyoloji, Moleküler Biyoloji, 2016

Postgraduate, KARBONİK ANHİDRAZ I VE II İZOENZİMLERİ ÜZERİNE BAZI İLAÇLARIN IN VITRO ETKİLERİNİN İNCELENMESİ, Erzincan Üniversitesi, Fen Bilimleri Enstitüsü, Biyoloji (Moleküler Biyoloji), 2011

## Academic Titles / Tasks

Associate Professor 2024 - Continues	Erzincan Binali Yildirim University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü
Assistant Professor 2018 - 2024	Erzincan Binali Yildirim University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü
Assistant Professor 2017 - 2018	Erzincan Binali Yildirim University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü
Research Assistant 2011 - 2017	Erzincan Binali Yildirim University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü
Research Assistant 2014 - 2015	The University of Wisconsin Madison, College Of Agricultural And Life Sciences, Department Of Biochemistry

## Supported Projects

- ÖZDEMİR A. O., KELEŞ GÜNER E., KUZUCU M., ÇAĞLAR B., ÇUBUK O., ÖZDOKUR K. V., Project Supported by Higher Education Institutions, Çeşitli Silan ve Nanometal Oksit Türleriyle Modifiye Edilmiş Kumaşların Bazı Fonksiyonel Özelliklerinin Geliştirilmesi, 2020 - 2023
- KARAOĞLAN M., ERDEN KARAOĞLAN F., ÇANKAYA M., KUZUCU M., Project Supported by Higher Education Institutions, Pichia pastoris Mayasında Rekombinant Pektinaz Üretimi ve Enzimin Karakterizasyonu, 2017 - 2019
- ÇANKAYA M., KUZUCU M., APAYDIN M., Project Supported by Higher Education Institutions, Deinococcus radiodurans'ta Azo Tekstil Boyalarının Biyogiderimi, 2017 - 2017
- ÇANKAYA M., KUZUCU M., TAŞKIN KAFA A. H., ÇOBAN T. A., Project Supported by Higher Education Institutions, Deinococcus Radiodurans R1 Rekombinaz A Geninin E. Coli BL21(DE3)'E Klonlanması, Ekspresyonu, Farklı Ph Şartlarının DNA Tamir Mekanizmasına Etkisinin Real-Time PCR Metoduyla İncelenmesi, 2015 - 2017
- ÇETİN N., SÜLEYMAN B., ALTUNER D., ÇOBAN T. A., KUZUCU M., Project Supported by Higher Education Institutions, Hippophae Rhamnoides Ekstresinin Sıçanlarda Metotreksat ve Sisplatinle İndüklenen Mukozite Etkisi, 2015 - 2016
- ALTUNER D., ÇİNİCİ E., SÜLEYMAN H., ÇETİN N., KUZUCU M., ÇOBAN T. A., Project Supported by Higher Education Institutions, Tiamin ve Tiamin Pirofosfatın Diyabetik Retinopatiji Önleyici Etkilerinin Araştırılması, 2015 - 2016
- DOĞAN S., BAYRAK O., KARASU N., KUZUCU M., ÇANKAYA M., Project Supported by Higher Education Institutions, Farklı Yaşama Alanlarından Toplanan Eustigmaeus Erciyesiensis (Acar: Stigmaeidae) Popülasyonlarındaki Genetik Polimorfizimlerin RAPD-PCR Yöntemi İle Belirlenmesi, 2015 - 2016
- ÇANKAYA M., ÇOBAN T. A., KUZUCU M., Project Supported by Higher Education Institutions, Pleurotus Ostreatus İle Bazı Zararlı Tekstil Boyarmaddelerinin Biyogiderimi, Biyogiderimin Optimizasyonu ve Biyogiderimden Sorumlu Potansiyel Ligninolitik Enzimlerinin Kinetik Özelliklerinin Belirlenmesi, 2014 - 2016
- ÇANKAYA M., KUZUCU M., Project Supported by Higher Education Institutions, Moleküler Biyoloji ve Genetik Laboratuvarının Kurulumu ve Modernizasyonu, 2014 - 2014
- DOĞAN S., KANDEMİR A., MUTLU S., KUZUCU M., İLHAN V., ADİL S., ÖZBEK H. H., ALTUN ÇOLAK D., Project Supported by Higher Education Institutions, Biyoloji Bölümü Laboratuvarının Kurulumu ve Modernizasyonu, 2013 - 2013
- ÇANKAYA M., KUZUCU M., Project Supported by Higher Education Institutions, Kordon Kanından Karbonik Anhidraz İzoenzimlerinin Saflaştırılması Kinetik Özelliklerinin İncelenmesi Ve Bazı İlaçların Karbonik Anhidrazizoenzimlerine Üzerine Etkilerinin İncelenmesi, 2011 - 2012

## Awards

1. KUZUCU M., Gelişim Projesi ve Belediye Gençlik Meclisi Kuruculuğu, Konya Ereğli Belediyesi, July 2004

## Scholarships

Yurt Dışı Doktora Araştırma Bursu, YOK, 2014 - Continues

Başarı Bursu, Other Government Agencies, 2004 - Continues

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

1. **Synthesis and evaluation of di-heterocyclic benzazole compounds as potential antibacterial and anti-biofilm agents against *Staphylococcus aureus*.**  
Aktekin M. B., Oksuz Z., Turkmenoglu B., Istifli E. S., Kuzucu M., Algul O.  
Chemical biology & drug design, vol.104, no.2, 2024 (SCI-Expanded)
2. **Morinda citrifolia protective effects on paclitaxel-induced testis parenchyma toxicity: An experimental study**  
GENÇ S., ÇİÇEK B., Yeni Y., KUZUCU M., HACİMÜFTÜOĞLU A., BOLAT İ., YILDIRIM S., Zaker H., Zachariou A., Sofikitis N., et al.  
Reproductive Toxicology, vol.127, 2024 (SCI-Expanded)
3. **Effect of tangeretin on cisplatin-induced oxido-inflammatory brain damage in rats.**  
Cicek B., Danisman B., Bolat I., Kiliclioglu M., Kuzucu M., Suleyman H., Tsarouhas K., Tsatsakis A., Taghizadehghalehjoughi A.  
Journal of cellular and molecular medicine, vol.28, no.14, 2024 (SCI-Expanded)
4. **AuNPs with *Cynara scolymus* leaf extracts rescue arsenic-induced neurobehavioral deficits and hippocampal tissue toxicity in Balb/c mice through D1R and D2R activation**  
ÇİÇEK B., HACİMÜFTÜOĞLU A., Yeni Y., KUZUCU M., GENÇ S., Cetin A., YAVUZ E., Danisman B., LEVENT A., ÖZDOKUR K. V., et al.  
Environmental Toxicology and Pharmacology, vol.107, 2024 (SCI-Expanded)
5. **Extremophilic Solutions: The Role of Deinoxanthin in Counteracting UV-Induced Skin Harm**  
KUZUCU M.  
Current Issues in Molecular Biology, vol.45, no.10, pp.8372-8394, 2023 (SCI-Expanded)
6. **Flavonoid-Rich *Sambucus nigra* Berry Extract Enhances Nrf2/HO-1 Signaling Pathway Activation and Exerts Antiulcerative Effects In Vivo**  
ÇİÇEK B., DANIŞMAN B., YILDIRIM S., YÜCE N., Nikitovic D., BOLAT İ., KUZUCU M., Ceyran E., Bardas E., Golokhvast K. S., et al.  
International Journal of Molecular Sciences, vol.24, no.20, 2023 (SCI-Expanded)
7. **Sorafenib Alleviates Inflammatory Signaling of Tumor Microenvironment in Precancerous Lung Injuries**  
Cicek B., Hacimuftuoglu A., Kuzucu M., Cetin A., Yeni Y., Genc S., Yildirim S., Bolat I., Kantarci M., Gul M., et al.  
Pharmaceuticals, vol.16, no.2, 2023 (SCI-Expanded)
8. **Tocilizumab is effective in preventing ovarian injury induced by ischemia- reperfusion in rats**  
Uzel K., Lakhno I., Turkler C., KUZUCU M., YAZICI G. N., MAMMADOV R., SÜLEYMAN B., Kale A., SÜLEYMAN H.  
Anais da Academia Brasileira de Ciencias, vol.95, no.1, 2023 (SCI-Expanded)
9. **Taxifolin as a novel therapeutic agent for epileptic seizures induced by caffeine-induced oxidative stress in rats**  
YAŞAR H., ALTUNER D., Bulut S., ÇİÇEK B., GÜRSUL C., KUZUCU M., SÜLEYMAN H.  
Advances in Clinical and Experimental Medicine, vol.33, no.8, 2023 (SCI-Expanded)
10. **Artichoke (*Cynara Scolymus*) Methanolic Leaf Extract Alleviates Diethylnitrosamine-Induced Toxicity**

**in BALB/c Mouse Brain: Involvement of Oxidative Stress and Apoptotically Related Klotho/PPAR $\gamma$  Signaling**

ÇİÇEK B., GENÇ S., Yeni Y., KUZUCU M., Cetin A., YILDIRIM S., BOLAT İ., Kantarci M., HACİMÜFTÜOĞLU A., Lazopoulos G., et al.

Journal of Personalized Medicine, vol.12, no.12, 2022 (SCI-Expanded)

11. **Facile synthesis of TiO<sub>2</sub>-coated cotton fabric and its versatile applications in photocatalysis, pH sensor and antibacterial activities**  
Özdemir A. O., Çağlar B., Çubuk O., Çoldur F., Kuzucu M., Keleş Güner E., Doğan B., Çağlar S., Özdokur K. V.  
Materials Chemistry and Physics, vol.287, 2022 (SCI-Expanded)
12. **Effect of Usnea longissima Ethyl Acetate Extract on Staphylococcus aureus-Induced Experimental Rhinosinusitis in Rats**  
Dilber M., ERHAN E., Bulut S., KUZUCU M., AKYÜZ S., SÜLEYMAN H.  
Latin American Journal of Pharmacy, vol.41, no.1, pp.58-66, 2022 (SCI-Expanded)
13. **The effects of thiamine pyrophosphate on propofol-induced oxidative liver injury and effect on dysfunction**  
Acun Delen L., Korkmaz Dişli Z., Taş H. G., Kuyruklyıldız U., Yazici G. N., Süleyman B., Kuzucu M., Gürsu C., Suleyman H.  
General physiology and biophysics, vol.41, no.1, pp.63-70, 2022 (SCI-Expanded)
14. **In Vitro Anticancer Activity of Novel Co(II) and Ni(II) Complexes of Non-steroidal Anti-inflammatory Drug Niflumic Acid Against Human Breast Adenocarcinoma MCF-7 Cells**  
Çağlar S., Altay A., Kuzucu M., Çağlar B.  
CELL BIOCHEMISTRY AND BIOPHYSICS, vol.79, no.4, pp.729-746, 2021 (SCI-Expanded)
15. **The effect of taxifolin on oxidative ovarian damage and reproductive dysfunctions induced by antipsychotic drugs in female rats**  
Ince S., Ozer M., Kadioglu B. G., KUZUCU M., ÖZKARACA M., GEZER A., SÜLEYMAN H., ÇETİN N.  
JOURNAL OF OBSTETRICS AND GYNAECOLOGY RESEARCH, vol.47, pp.2140-2148, 2021 (SCI-Expanded)
16. **Biochemical and Histopathological Evaluation of Sunitinib Effect on Ovarian Injuries by Ischemia-Reperfusion in Rats**  
İnce S., Özer M., Göktuğ Kadioğlu B., Kuzucu M., Gündoğdu B., Gürsul C., Süleyman Z., Süleyman H.  
INTERNATIONAL JOURNAL OF PHARMACOLOGY, vol.17, no.2, pp.65-72, 2021 (SCI-Expanded)
17. **The effect of adenosine triphosphate on bevacizumab-induced ovarian damage and reproductive dysfunction in rats**  
Ince S., Ozer M., Kadioglu B. G., Kuzucu M., Yilmaz S., Ozkaraca M., Gezer A., Süleyman H.  
GENERAL PHYSIOLOGY AND BIOPHYSICS, vol.40, no.1, pp.71-78, 2021 (SCI-Expanded)
18. **The Effect of Taxifolin on Cisplatin-Induced Pulmonary Damage in Rats: A Biochemical and Histopathological Evaluation.**  
ÜNVER E., Tosun M., Olmez H., KUZUCU M., KESKİN ÇİMEN F., SÜLEYMAN Z.  
Mediators of inflammation, vol.2019, pp.3740867, 2019 (SCI-Expanded)
19. **Can endocan be a new biomarker in ventilator-associated pneumonia?**  
Kupeli I., Salcan S., Kuzucu M., Kuyruklyıldız U.  
The Kaohsiung journal of medical sciences, vol.34, pp.689-694, 2018 (SCI-Expanded)
20. **Genetic variations based on RAPD-PCR in Eustigmaeus erciyesiensis (Acari: Stigmaeidae) populations inhabiting Erzincan (Turkey)**  
Karasu N., DOĞAN S., KUZUCU M., ÇANKAYA M.  
NORTH-WESTERN JOURNAL OF ZOOLOGY, vol.14, no.1, pp.122-126, 2018 (SCI-Expanded)
21. **An experimental study on the preventive effects of N-acetyl cysteine and ozone treatment against contrast-induced nephropathy**  
Ozturk O., Eroglu H. A., Ustebay S., KUZUCU M., Adali Y.  
ACTA CIRURGICA BRASILEIRA, vol.33, no.6, pp.508-517, 2018 (SCI-Expanded)
22. **Effects of Hippophae rhamnoides extract on oxidative mucosal injury induced by cisplatin in rat jejunum.**

- ÖZÇİÇEK F., KESKİN ÇİMEN F., NALKIRAN H. S., GÜLABOĞLU M., ÇETİN N., ÇOBAN T. A., KUZUCU M., ARSLAN A.  
Biomedical Research-India, vol.29, no.2, pp.401-407, 2018 (SCI-Expanded)
23. **Oxidative renal damage in rats subjected to Ovarian Ischemia reperfusion and protective effect of tianeptine**  
KARACA I., Delibaş I. B., YAPÇA Ö. E., İNGEÇ M., KUMBASAR S., HİRİK E., KUZUCU M., Bilgin A.  
Latin American Journal of Pharmacy, vol.36, no.12, pp.2339-2347, 2017 (SCI-Expanded)
24. **Effect of thiamine pyrophosphate on retinopathy induced by hyperglycemia in rats: A biochemical and pathological evaluation**  
CINICI E., AHISKALI I., Cetin N., SÜLEYMAN B., Kukula O., ALTUNER D., Coban A., BALTA H., KUZUCU M., SÜLEYMAN H.  
Indian Journal of Ophthalmology, vol.64, no.6, pp.434-439, 2016 (SCI-Expanded)
25. **The effect of melatonin on oxidative stress and apoptosis in experimental diabetes mellitus-related ovarian injury**  
Nayki U., ONK D., Balci G., NAYKI C., Onk A., ÇANKAYA M., Kafa A. H. T., KUZUCU M.  
GYNECOLOGICAL ENDOCRINOLOGY, vol.32, no.5, pp.421-426, 2016 (SCI-Expanded)
26. **Can thiamine pyrophosphate prevent desflurane induced hepatotoxicity in rats?**  
ARSLAN A., KUYRUKLUYILDIZ U., BINICI O., Cetin N., BALCI M. G., KUZUCU M., YILMAZ A., ALTUNER D., ÇOBAN T. A.  
Acta Cirurgica Brasileira, vol.31, no.3, pp.168-175, 2016 (SCI-Expanded)
27. **Effects of nimesulide on the small intestine mucositis induced by methotrexate in rats**  
ARSLAN A., ÖZÇİÇEK A., SÜLEYMAN B., ÇOBAN T. A., CIMEN F. K., Nalkiran H. S., KUZUCU M., ALTUNER D., Cetin N., SÜLEYMAN H.  
Experimental Animals, vol.65, no.4, pp.329-336, 2016 (SCI-Expanded)
28. **Four diclofenac complexes with cobalt(II) and nickel(II) ions: synthesis, spectroscopic properties, thermal decompositions, crystal structures, and carbonic anhydrase activities**  
ÇAĞLAR S., AYDEMİR I. E., ÇANKAYA M., KUZUCU M., Temel E., Buyukgungor O.  
JOURNAL OF COORDINATION CHEMISTRY, vol.67, no.6, pp.969-985, 2014 (SCI-Expanded)
29. **Effects of some drugs on human cord blood erythrocyte carbonic anhydrases I and II: an in vitro study**  
ÇANKAYA M., AKTAŞ M., KUZUCU M., GUL I., ÇOBAN T. A.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.27, no.5, pp.641-645, 2012 (SCI-Expanded)
30. **Stimulation of cinnabarinic acid production in batch cultures of *Pycnoporus cinnabarinus***  
Pazarlioglu N. K., Kuzucu M., Ozmen F., Karani O. R., Akdogan H. A., Gocenoglu A., UÇAR M., ERDEN E.  
JOURNAL OF BIOTECHNOLOGY, vol.136, 2008 (SCI-Expanded)

## Articles Published in Other Journals

- Enhanced Production and Therapeutic Evaluation of TP4 Peptide in *Pichia pastoris* Against Hepatocellular Carcinoma HUH-7 Cells**  
KILINÇ S., KARAOĞLAN M., KUZUCU M.  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2024 (Peer-Reviewed Journal)
- Düşük-Orta İrtifaya Aklmatize Sporcularda Egzersiz Öncesi ve Sonrası HIF-1 $\alpha$  ve EPO Düzeylerinin Karşılaştırılması**  
Kuzucu M., Tetik Dünder S., Özdal M.  
Akdeniz Spor Bilimleri dergisi, vol.6, no.1, pp.958-971, 2023 (Peer-Reviewed Journal)
- Effect of the aerobic power test performed at low-medium altitude on the myostatin, pgc-1 alpha and klotho levels**  
Tetik Dünder S., Kuzucu M., Varol S. R.  
Gazzetta Medica Italiana Archivio per le Scienze Mediche, vol.182, no.2, pp.342-351, 2023 (ESCI)
- Agonistic Effects of Deinoxanthin on Tamoxifen Antiproliferative Activity on HER2 Positive Breast Cancer: An In vitro Study on MDA-MB-453**

- Günay N., Kuzucu M.  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.16, no.1, pp.138-154, 2023 (Peer-Reviewed Journal)
5. **Investigation of Photocatalytic and Antibacterial Properties of TiO<sub>2</sub> Nanoparticules Coated Cotton Fabric**  
Özdemir A. O., Kuzucu M., Keleş Güner E., Doğan B., Çağlar B.  
Karadeniz Fen Bilimleri Dergisi, vol.12, no.2, pp.1017-1031, 2022 (Peer-Reviewed Journal)
  6. **Cloning, Over-Expression, and Purification of  $\beta$ -Carbonic Anhydrase from an Extremophilic Bacterium: *Deinococcus radiodurans***  
Taşkın Kafa A. H., Cihan A. Ç., Kuzucu M., Çankaya M.  
Hacettepe Journal of Biology and Chemistry, vol.49, no.3, pp.219-231, 2021 (Peer-Reviewed Journal)
  7. **Investigation of The Synergistic Effects of Trastuzumab And Gambogic Acid in Her-2 Positive Breast Cancer Cell Line**  
Çankaya M., Kuzucu M., Özgür A., Çetin A.  
Hacettepe Journal of Biology and Chemistry, vol.48, no.3, pp.291-299, 2020 (Peer-Reviewed Journal)
  8. **Effect of benidipine on experimental gastric ulcers in rats**  
SÜLEYMAN B., MAMMADOV R., ÖZÇİÇEK A., ÖZÇİÇEK F., KUZUCU M., ALTUNER D., SÜLEYMAN Z.  
MEDICINE SCIENCE, 2018 (Peer-Reviewed Journal)
  9. **Investigation Effects of Some Heart Disorder Drugs on Human Carbonic Anhydrase I**  
TUĞRAL KAPLAN S., KUZUCU M., AKTAŞ N., DİLEK E., ÇANKAYA M., ÇOBAN T. A.  
Hacettepe J. Biol. & Chem., vol.45, no.2, pp.231-236, 2017 (Peer-Reviewed Journal)
  10. **EFFECT OF SOME DRUGS ON SHEEP LIVER CARBONIC ANHYDRASE I AND II**  
KUZUCU M., ÇANKAYA M.  
Erzincan Fen Bilimleri Dergisi, vol.8, no.2, pp.201-212, 2015 (Peer-Reviewed Journal)
  11. **Investigation of Some Vitamin Type Inhibition on Human Cord Blood Carbonic Anhydrase I and II**  
ÇETİN A., ÇOBAN T. A., ÇANKAYA M., ARSLAN NAYKI Ü., KUZUCU M.  
Journal of Academic Research in Medicine, vol.3, no.2, pp.79-83, 2013 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

1. **Düşük-Orta İrtifaya Aklimatize Sporcularda Akut Egzersizin HIF-1 $\alpha$  ve EPO Düzeylerine Etkisi**  
KUZUCU M., TETİK DÜNDAR S., ÖZDAL M.  
7th International Academic Sports Studies Congress, Trabzon, Turkey, 7 - 09 October 2023, pp.364-365
2. **Investigation of Synergic Anticancer Effects of Deinoxanthin and Docetaxel in PC-3 Prostate Cancer Cells**  
Çankaya F., Çardak E., Kuzucu M.  
3rd Eurasia Biochemical Approaches & Technologies, Antalya, Turkey, 4 - 07 November 2021, pp.162
3. **The Combinational Anti-Cancer Effects of Trastuzumab-Tarantula cubensis Alcoholic Extract on HER2-Overexpressing MDA-MB-453 Breast Cancer Cells**  
Kılınç S., Günay N., Özgür A., Çankaya M., Kuzucu M.  
9th Drug Chemistry Conference, Antalya, Turkey, 8 - 11 April 2021, pp.77
4. **Deinoxanthin, a Carotenoid from the Radioresistant Bacterium *Deinococcus radiodurans*, Inhibits Lipogenesis in Liver**  
Kuzucu M., Çiçek B.  
9th Drug Chemistry Conference, Antalya, Turkey, 8 - 11 April 2021, pp.68
5. **Effect Of Tamoxifen-Gambogic Acid Combinations on Antiproliferative Activity in Estrogen Receptor-Positive Breast Cancer Cells**  
Karasu N., Kuzucu M., Dündar M.  
8th Drug Chemistry Conference, Antalya, Turkey, 27 February - 01 March 2020, pp.265
6. **Synergistic Anti-proliferative and Anti-Cancer Effects of Gambogic Acid with Capecitabine in MDA-MB-453 Human Breast Cancer Cells**

Kuzucu M.

8th Drug Chemistry Conference, Antalya, Turkey, 27 February - 01 March 2020, pp.266

7. **The Effect of Deinoxanthine on the Susceptibility of Breast Cancer Cells to Tamoxifen**  
ÇİÇEK B., KUZUCU M., HACİMÜFTÜOĞLU A., Abd El Aty M., GÜL M.  
45. Ulusal Fizyoloji Kongresi, Aydın, Turkey, 31 October - 03 November 2019, vol.227
8. **The Analysis of Synergistic Anticancer Effects of Sorafenib and Cynara scolymus Extract on HEPG2 Liver Cancer**  
Kuzucu M.  
2 nd Eurasia Biochemical Approaches & Technologies, Antalya, Turkey, 26 - 29 November 2019, pp.162
9. **Investigation Effects of The Gambogic Acid on Expression and Activity of Separase in Human Breast Cancer: an In vitro Study**  
Kuzucu M.  
7th Drug Chemistry Conference: Design, Synthesis, Production and Standardization of Drug Active Substances, Antalya, Turkey, 14 - 17 March 2019, pp.18
10. **Synergistic Effect of Deinoxanthin-Gambogic acid Combinations on Antiproliferative and Antioxidant Activity in MDA-MB-453 Human Breast Cancer Cells**  
Kılınç S., Toksoy Öner E., Kuzucu M.  
7th Drug Chemistry Conference: Design, Synthesis, Production and Standardization of Drug Active Substances, Antalya, Turkey, 14 - 17 March 2019, pp.101
11. **A Comparative Approach to Evaluate Deinoxanthine-Trastuzumab Effect on Breast Cancer**  
Günay N., Durmuş U., Çankaya M., Kuzucu M.  
7th Drug Chemistry Conference: Design, Synthesis, Production and Standardization of Drug Active Substances, Antalya, Turkey, 14 - 17 March 2019, pp.24
12. **Investigation the Effects of UV-C on the Experssion Levels of Some Genes Included in Intracellular pH Homeostasis of Deinococcus radiodurans**  
KUZUCU M., ÇANKAYA M.  
1st EURASIA BIOCHEMICAL APPROACHES TECHNOLOGIES (EBAT) CONGRESS, 27 - 30 October 2018
13. **Tramadol Hidrokloridin, İnsan Eritrosit Karbonik Anhidraz I ve II İzoenzimleri üzerine İn Vitro Etkisinin Belirlenmesi**  
Özkan R., KUZUCU M., MERTOĞLU C., ÇOBAN T. A., ÇANKAYA M.  
Uluslararası Biyokimya Kongresi 2017, 19 - 23 September 2017
14. **Determination of In Vitro Effect of Tramadol Hydrochloride on Human Erythrocyte Carbonic Anhydrase I and II Isoenzymes**  
ÖZKAN R., KUZUCU M., MERTOĞLU C., ÇOBAN T. A., ÇANKAYA M.  
International Biochemistry Congress - 2017 /28 th National Biochemistry Congress, 19 - 23 September 2017
15. **THE INVESTIGATION EFFECT OF SOME MESOSOMAL PROTEINS ONINTRACELLULAR PH BALANCE IN DEINOCOCCUS RADIODURANS**  
KUZUCU M., TAŞKIN KAFA A. H., ÇANKAYA M.  
IV. International Congress of the Molecular Biology Association of Turkey, Turkey, 27 - 29 November 2015
16. **THE EFFECTS OF SOME MEDICINE ON THE CARBONICANHYDRASE I ENZYME IN IN VITRO CONDITIONS WHICH WERE PURIFIED FROM HUMAN BLOOD**  
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19. **İnsan Kanından Saflaştırılan Karbonik Anhidraz-I İzoenziminin Esteraz Aktivitesi Üzerine Bazı İlaçların İnhibisyon Etkilerinin İncelenmesi**  
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20. **BIODEGRADATION C.I. DIRECT BLACK 38 BY DEINOCOCCUS RADIOURANS R1 AND OPTIMIZATION OF THE BIOPROCESS**  
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24. **THE OPTIMIZATION OF CINNABARINIC ACID PRODUCTION FROM Pycnoporus cinnabarinus**  
OZMEN F., KUZUCU M., KARANI O. R., PAZARLIOĞLU N. K.  
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25. **CINNABARINIC ACID AND LACCASE PRODUCTION BY Pycnoporus cinnabarinus**  
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The International Enzyme Engineering Symposium, Aydın, Turkey, 1 - 05 October 2008, pp.1

## Academic and Administrative Experience

2022 - Continues	<b>Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi</b>	Erzincan Binali Yıldırım University, Deney Hayvanları Uygulama ve Araştırma Merkezi
2018 - 2020	<b>Assistant Director of the Institute</b>	Erzincan Binali Yıldırım University, Fen Bilimleri Enstitüsü
2018 - 2020	<b>Deputy Head of Department</b>	Erzincan Binali Yıldırım University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü
2018 - 2018	<b>Deputy Director of the Center</b>	Erzincan Binali Yıldırım Üniversitesi, Temel Bilimler Uygulama Ve Araştırma Merkezi

## Courses

İlaç Dizaynı, Doctorate, 2020 - 2021

Endüstriyel Enzimler, Postgraduate, 2020 - 2021



Sistem Biyolojisi, Doctorate, 2020 - 2021  
Mikrobiyal Fonksiyonel Genomik, Postgraduate, 2018 - 2019  
Kanser Biyokimyası, Postgraduate, 2018 - 2019  
Terapötik Proteinler, Postgraduate, 2018 - 2019  
Biyoinformatik, Postgraduate, 2017 - 2018  
Biyokimya 1, Undergraduate, 2017 - 2018  
BİYOKİMYA I, Undergraduate, 2017 - 2018  
MİKROBİYOLOJİ LABORATUVARI I, Undergraduate, 2017 - 2018  
BİTİRME ÖDEVİ I, Undergraduate, 2017 - 2018  
Biyokimya II, Undergraduate, 2016 - 2017  
BİTİRME ÖDEVİ II, Undergraduate, 2016 - 2017  
HAYVAN FİZYOLOJİSİ LABORATUVARI, Undergraduate, 2016 - 2017  
Mikrobiyoloji, Postgraduate, 2017 - 2018  
Biyokimya Laboratuvarı, Undergraduate, 2016 - 2017

### Advising Theses

Kuzucu M., Terapötik Peptit Tilapia Piscidin 4' ün (TP4) Pichia pastoris Ekspresyon Sisteminde Rekombinant Üretimi ve HT-29 Kolorektal Kanser Hücreleri Üzerine Etkisinin Araştırılması, Doctorate, S.KILINÇ(Student), 2022  
Kuzucu M., BAG5 Geninin CRISPR/Cas9 Aracılı Düzenlenmesi:Parkinson Hastalığında HSP70 Etkileşimini Değiştirmeye Yönelik Bir Araştırma, Doctorate, N.GÜNAY(Student), 2022  
Kuzucu M., Deinoksantin Bağlanmış Altın ve Gümüş Nanopartikülerin Hepatoselüler Karsinom Üzerine Anti-Kanser Etkilerinin In Vitro İncelenmesi, Postgraduate, E.ÇARDAK(Student), 2021  
Kuzucu M., MDA-MB-453 Meme Kanseri Hücre Hattı Üzerinde Tamoksifen ve Deinoksantin Sinerjik Etkilerinin İncelenmesi, Postgraduate, N.GÜNAY(Student), 2020  
Kuzucu M., Deinoksantin ve leuprorelin asetat'ın prostat kanseri üzerine sinerjik antikanser etkilerinin in vitro incelenmesi, Postgraduate, F.ÇANKAYA(Student), 2020  
Kuzucu M., Sorafenib-Cynara scolymus Ekstraktı Kombinasyonunun Karaciğer Kanseri Üzerine Sinerjistik Etkisinin In vitro İncelenmesi, Postgraduate, U.DURMUŞ(Student), 2019  
Toksoy Öner E., Kuzucu M., Purification and optimization of deinoxanthin isolated from Deinococcus radiodurans R1, Postgraduate, S.KILINÇ(Student), 2019

### Activities in Scientific Journals

Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Committee Member, 2021 - Continues

### Memberships / Tasks in Scientific Organizations

Moleküler Biyoloji Derneği, Member, 2015 - Continues

### Scientific Refereeing

Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, March 2020  
TÜRK DOĞA VE FEN DERGİSİ, National Scientific Refreed Journal, January 2020

### Metrics

Publication: 70

Citation (WoS): 65

Citation (Scopus): 198

H-Index (WoS): 5

H-Index (Scopus): 9

## Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biochemistry, Life Sciences, Molecular Biology and Genetics, Molecular Biology of Cancer, Chemistry, Biochemistry, Protein Chemistry, Natural Sciences