

Asst. Prof. ELÇİN BAKIR

Personal Information

Office Phone: [+90 352 207 6666](tel:+903522076666) Extension: 28350

Email: elcinozger@erciyes.edu.tr

Web: <https://avesis.erciyes.edu.tr/elcinozger>

Education Information

Doctorate, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Toksikoloji, Turkey 2013 - 2018

Under Graduate, Erciyes Üniversitesi, Eczacılık Fakültesi, Eczacılık Bölümü, Turkey 2008 - 2013

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Health&Medicine, Basic Molecular Biology Techniques Course, Western Blot, RT-PCR, Ziya Eren İlaç Uygulama ve Araştırma Merkezi, 2019

Health&Medicine, Recent Developments and the Use of Non-Invasive Samples in Comet Assay, 10th International Congress of the Turkish Society of Toxicology, 2019

Quality Management, GLP (Good Laboratory Practices / İLU (İyi Laboratuvar Uygulamaları), The Swiss Consulting/ERFARMA, 2019

Health&Medicine, "LCMS-8040" Kullanıcı Eğitimi, Ant Teknik, 2017

Health&Medicine, "GCMS", Ant Teknik, 2016

Health&Medicine, IV. Uygulamalı Temel Hücre Kültürü Teknikleri Kursu, GENKÖK, 2016

Health&Medicine, "HPLC", Ant Teknik, 2016

Health&Medicine, Genotoxicity and Methods of Analysis, TURKHELTOX, 2015

Health&Medicine, Oxidants and Antioxidants, TURKHELTOX, 2015

Health&Medicine, Eppendorf Pipet Sistemi, İncekaralar, 2015

Health&Medicine, Deney Hayvanları Kullanım Sertifikası, ERSEM, 2013

Dissertations

Doctorate, FLURBİPROFENİN SİTOTOKSİK, GENOTOKSİK VE APOPTOTİK ETKİLERİNİN DEĞERLENDİRİLMESİ, Hacettepe Üniversitesi, 2018

Research Areas

Health Sciences, Pharmacology and Therapeutics, Professional Sciences, Pharmaceutical Toxicology

Academic Titles / Tasks

Assistant Professor, Erciyes University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri , 2020 - Continues
Research Assistant PhD, Erciyes University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri , 2018 - 2020
Research Assistant, Erciyes University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri , 2014 - 2018

Courses

Pharmaceutical Toxicology Laboratory, Under Graduate, 2018 - 2019, 2019 - 2020, 2020 - 2021
BAHAR STAJI, Under Graduate, 2020 - 2021
GRADUATION PROJECT 2, Under Graduate, 2019 - 2020, 2020 - 2021
PHARMACEUTICAL TOXICOLOGY, Under Graduate, 2018 - 2019, 2019 - 2020, 2020 - 2021
GÜZ STAJI, Under Graduate, 2020 - 2021
ADDICTION PROBLEMS, Under Graduate, 2019 - 2020, 2020 - 2021
GRADUATION PROJECT 1, Under Graduate, 2019 - 2020, 2020 - 2021

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Doxazosin and erlotinib have anticancer effects in the endometrial cancer cell and important roles in ER α and Wnt/ β -catenin signaling pathways**
Karaca B., Bakır E., Aycan M. B. , Cumaoglu A., Hamurcu Z., Eken A.
Journal Of Biochemical And Molecular Toxicology, vol.0, no.0, pp.1-12, 2021 (Journal Indexed in SCI Expanded)
- II. **Assessment of the cytotoxic, genotoxic, and apoptotic potential of flurbiprofen in HeLa and HepG2 cell lines**
Bakır E., Çal T., Aydın Dilsiz S., Canpınar H., Eken A., Ündeğer Bucurgat Ü.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, 2021 (Journal Indexed in SCI)
- III. **Cherry laurel fruit extract counters dimethoate-induced reproductive impairment and testicular apoptosis**
Bakır E., Sarıözkan S., Ünlü Endirlik B., Baldemir Kılıç A., Yay A. H. , Cantürk Tan F., Eken A., Türk G.
ARHIV ZA HIGIJENU RADA I TOKSIKOLOGIJU-ARCHIVES OF INDUSTRIAL HYGIENE AND TOXICOLOGY, vol.71, no.4, pp.329-338, 2020 (Journal Indexed in SCI)
- IV. **Assessment of perfluoroalkyl substances levels in tap and bottled water samples from Turkey**
Ünlü Endirlik B., Bakır E., Boşgelmez İ. İ. , Eken A., Narin İ., Gürbay A.
CHEMOSPHERE, vol.235, pp.1162-1171, 2019 (Journal Indexed in SCI)
- V. **An Investigation on Protective Effect of Viburnum opulus L. Fruit Extract Against Ischemia/Reperfusion-Induced Oxidative Stress after Lung Transplantation in Rats**
Eken A., Yücel O., Boşgelmez İ. İ. , Baldemir A., Çubuk S., Cermik A. H. , Ünlü Endirlik B., Bakır E., Yıldızhan A., Güler A., et al.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.23, no.3, pp.437-444, 2017 (Journal Indexed in SCI)
- VI. **Effect of Laurocerasus officinalis Roem. (Cherry Laurel) Fruit on Dimethoate Induced Hepatotoxicity in Rats**
EKEN A., Endirlik B., BAKIR E., Baldemir A., YAY A. H. , CANTURK F.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.23, no.5, pp.779-787, 2017 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Evaluation of Cytotoxic Effects of Carnosic Acid Alone and Combination with Cisplatin in HepG2 Cells**
Akin U. N. , Bakır E., Ökçesiz A., Eken A.
Proceedings, vol.40, no.1, pp.39, 2019 (Refereed Journals of Other Institutions)
- II. **Kinazolin türevi bileşiklerin olası sitotoksik etkilerinin endometriyum kanser hücrelerinde**

araştırılması

Karaca B., BAKIR E., EKEN A.

Journal of Health Sciences, vol.28, pp.47-51, 2019 (Other Refereed National Journals)

III. **ESSENTIAL ELEMENT AND METAL CONTENT OF CHERRY LAUREL (LAUROCERASUS OFFICINALIS ROEM.) FRUIT AND SEEDS**

EKEN A., BALDEMİR A., ÜNLÜ ENDİRLİK B., BAKIR E., İLGÜN S.

Sağlık Bilimleri Dergisi, vol.26, pp.1-4, 2017 (National Refreed University Journal)

IV. **Histopathological effect of dimethoate on lung of rat and the protective role of Laurocerasus officinalis roem. (cherry laurel) fruit**

EKEN A., ÜNLÜ ENDİRLİK B., BAKIR E., YAY A. H. , BALDEMİR A.

Sağlık Bilimleri Dergisi, 2017 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Glifosat Toksisitesine Karşı Çeşitli Antioksidan Maddelerin Koruyucu Etkisinin Karaciğer Hücre Hattında Araştırılması: Ön Çalışma**
Ünlü Endirlik B., Bakır E.
5. Uluslararası Hipokrat Tıp ve Sağlık Bilimleri Kongresi, 18 - 19 December 2020, pp.494
- II. **Evaluation of Cytotoxic Effects of Carnosic Acid Alone and Combination with Cisplatin in HepG2 Cells**
Akın U. N. , Bakır E., Ökçesiz A., Eken A.
3rd International conference on Natural Products for Cancer Prevention and Therapy, Kayseri, Turkey, 18 - 20 December 2019
- III. **Possible cytotoxic effects and molecular mechanisms of tamoxifen and quinazoline derivatives doxazosin, erlotinib on endometrial cancer cells**
KARACA B., EKEN A., BAKIR E., AYCAN M. B. , CUMAOĞLU A.
10th International Congress of the Turkish Society of Toxicology, 16 - 19 October 2019
- IV. **Evaluation of cytotoxic, genotoxic and apoptotic effects of flurbiprofen in human liver cancer cell line**
Bakır E., Çal T., Aydın Dilsiz S., Canpınar H., Eken A., Ündeğer Bucurgat Ü.
10th International Congress of the Turkish Society of Toxicology, Antalya, Turkey, 16 - 19 October 2019, pp.80
- V. **Apoptotic effects and cell cycle analysis of flurbiprofen in human cervical carcinoma cells**
Bakır E., Çal T., Aydın Dilsiz S., Canpınar H., Eken A., Ündeğer Bucurgat Ü.
10th International Congress of the Turkish Society of Toxicology, Antalya, Turkey, 16 - 19 October 2019, pp.151
- VI. **Protective effects of chlorogenic acid and vitamin c against oxidative stress caused by dimethoate in human erythrocytes**
EKEN A., BAKIR E., ÖKÇESİZ A.
12th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 26 - 29 June 2018, pp.1
- VII. **Cytotoxic and genotoxic effects of flurbiprofen in hela cells.**
Bakır E., Aydın S., Eken A., Ündeğer Bucurgat Ü.
12th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 26 - 29 June 2018, pp.1
- VIII. **INVESTIGATION OF PERFLUOROALKYL SUBSTANCES IN TAP WATER SAMPLES TAKEN FROM SEVERAL PROVINCES IN TURKEY**
Ünlü Endirlik B., Bakır E., Boşgelmez I. I. , Eken A., Narin I., Gürbay A.
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 28 June 2018
- IX. **Investigation of potential neurotoxic effects of perfluorooctanoic acid in Balb c mice by evaluating oxidative stress induction and possible protective effects of taurine and coenzyme Q10 in this model system**
ÜNLÜ ENDİRLİK B., ÖZGER E., EKEN A., ÖZTÜRK F., GÜRBAY A.
EUROTOX, 4 - 07 September 2016
- X. **Dimethoate induced renal toxicity in rats and the protective ameliorative effects of Laurocerasus**

officinalis Roem cherry laurel fruit extract

EKEN A., ÜNLÜ ENDİRLİK B., ÖZGER E., BALDEMİR A., YAY A. H.

6th Congress of Pharmacy in Macedonia, 1 - 05 June 2016

- XI. **Oxidative stress inducing effects of perfluorooctanoic acid in kidneys of mice and possible protective effects of taurine and coenzyme Q10**
ÜNLÜ ENDİRLİK B., EKEN A., BAKIR E., Gürbay A.
2nd International Congress of Forensic Toxicology, "Industrial and Environmental Toxicology", Ankara, Turkey, 26 - 30 May 2016, pp.219
- XII. **DIMETHOATE INDUCED TOXICITY IN RAT BRAIN AND THE AMELIORATIVE EFFECT OF LAUROCERASUS OFFICINALIS ROEM CHERRY LAUREL FRUIT EXTRACT**
Eken A., Özger E., Ünlü Endirlik B., Baldemir A., Yay A. H. , Cantürk Tan F., Caner Y.
2nd INTERNATIONAL CONGRESS OF FORENSIC TOXICOLOGY, Ankara, Turkey, 26 - 30 May 2016
- XIII. **Dimethoate-induced hepatotoxicity in rats and the protective/ameliorative effects of cherry laurel (Laurocerasus officinalis Roem.) fruit**
EKEN A., ÜNLÜ ENDİRLİK B., ÖZGER E., BALDEMİR A., YAY A. H. , CANTÜRK F., CANER Y.
9th Congress of the Turkish Society of Toxicology with the participation of the Hellenic Society of Toxicology, TurkHelTox2015 Congress, İzmir, Turkey, 21 - 24 October 2015, vol.0, no.0, pp.42
- XIV. **Reproductive Toxicity of Dimethoate In Rats and The Protective/Ameliorative Effects of Cherry Laurel (Laurocerasus Officinalis Roem.) Fruit**
Özger E., Eken A., Sarıözkan S., Ünlü Endirlik B., Baldemir A., Yay A. H. , Cantürk F., Caner Y.
9. Uluslararası Katılımlı Türk Toksikoloji Derneği Kongresi-TURKHELTOX, İzmir, Turkey, 21 - 24 October 2015, vol.0, no.0, pp.43
- XV. **Evaluation of Antioxidant Effects in Rat Liver and Essential Element Contents of Cherry Laurel (Laurocerasus officinalis Roem.)**
EKEN A., BALDEMİR A., ÜNLÜ ENDİRLİK B., ÖZGER E., İLGÜN S.
11th International Symposium, on Pharmaceutical Sciences, Ankara, Turkey, 9 - 12 June 2015, vol.1, pp.422-423
- XVI. **Karayemiş (Laurocerasus officinalis M. Roem.) Meyve ve Çekirdeğinin Metal Düzeylerinin ICP-MS ile Belirlenmesi**
EKEN A., BALDEMİR A., ÜNLÜ ENDİRLİK B., ÖZGER E., İLGÜN S., Delimustafaoğlu F.
21. Bitkisel İlaç Hammaddeleri Toplantısı, Nevşehir, Turkey, 28 May - 01 June 2014, pp.44

Supported Projects

EKEN A., HAMURCU Z., ÜNLÜ ENDİRLİK B., BAKIR E., ÖKÇESİZ A., Project Supported by Higher Education Institutions, Glifosat Bazlı Herbisitlerin Apoptoz İndükleyici Etkisinin İnsan Akciğer ve Karaciğer Hücre Hatlarında Araştırılması, 2018 - 2020

Eken A., Aycan M. B. , Cumaoğlu A., Bakır E., Karaca B., Project Supported by Higher Education Institutions, Kinazolin türevi ilaçların endometrium kanser hücrelerindeki toksisitesinin ve Wnt/beta-katenin yolağındaki etkilerinin araştırılması, 2018 - 2020

ÜNLÜ ENDİRLİK B., EKEN A., BAKIR E., GÜRBAY A., ÖKÇESİZ A., Project Supported by Higher Education Institutions, In vitro Sistemde Glifosat Bazlı Herbisit Toksisitesinin Değerlendirilmesi, 2018 - 2019

EKEN A., BAKIR E., ÜNDEĞER BUCURGAT Ü., Project Supported by Higher Education Institutions, Flurbiprofenin Sitotoksik ve Apoptotik Etkilerinin İnsan Karaciğer Kanser HepG2 Hücrelerinde İn Vitro Değerlendirilmesi, 2017 - 2018

ÜNLÜ ENDİRLİK B., NARİN I., BAKIR E., EKEN A., BOŞGELMEZ I. I. , GÜRBAY A., Project Supported by Higher Education Institutions, Türkiye'deki musluk ve şişe sularında bazı perfloroalkilli bileşik düzeylerinin LC-MS/MS ile belirlenmesi, 2017 - 2018

EKEN A., SARIÖZKAN S., CANTÜRK F., YAY A. H. , CANER Y., ÜNLÜ ENDİRLİK B., BALDEMİR A., ÖZGER E., Project Supported by Higher Education Institutions, Dimetoat ile İndüklenen Toksisiteye Karşı Karayemiş (Laurocerasus officinalis Roem.) Meyve Ekstresinin Koruyucu Etkilerinin Sıçanlarda Araştırılması, 2013 - 2015

Memberships / Tasks in Scientific Organizations

Federation of European Toxicology Society (EUROTOX), Member, 2015 - Continues

TURKISH SOCIETY of TOXICOLOGY, Member, 2015 - Continues

International Union of Toxicology (IUTOX), Member, 2015 - Continues

Edit Congress and Symposium Activities

Endokrin Bozucular ve Çocuk Sağlığı, Attendee, Ankara, Turkey, 2020

3rd International Conference of Natural Products for Cancer Prevention and Therapy, Attendee, Kayseri, Turkey, 2019

10th International Congress of the Turkish Society of Toxicology, Attendee, Antalya, Turkey, 2019

Milli İlaç ve Aşı Çalıştayı, Attendee, Kayseri, Turkey, 2018

12th International Symposium on Pharmaceutical Sciences (ISOPS), Attendee, Ankara, Turkey, 2018

HACETTEPE FARMASÖTİK TOKSİKOLOJİ GÜNLERİ-1, Attendee, Ankara, Turkey, 2018

IV. TOKSİKOLOJİ SEMPOZYUMU "Toksikolojide Kariyer Günleri", Attendee, Eskişehir, Turkey, 2017

2nd INTERNATIONAL CONGRESS OF FORENSIC TOXICOLOGY, Attendee, Ankara, Turkey, 2016

9th Congress of the Turkish Society of Toxicology with the participation of the Hellenic Society of Toxicology, TurkHelTox, Attendee, İzmir, Turkey, 2015

XI. Türk Eczacılık Tarihi Toplantısı, Attendee, Kayseri, Turkey, 2014

19th Annual Conference of the European Association of Faculties of Pharmacy (EAFP), Attendee, Ankara, Turkey, 2013

11. Türkiye Eczacılık Kongresi, Attendee, Ankara, Turkey, 2012

Citations

Total Citations (WOS):18

h-index (WOS):2

Awards

Akın U. N. , Bakır E., Ökçesiz A., Eken A., Best Oral Presentation Award, 3Rd International Conference On Natural Products For Cancer Prevention And Therapy, December 2019

Eken A., Bakır E., Ünlü Endirlik B., Baldemir Kılıç A., Yay A. H. , Cantürk Tan F., Caner Y., Poster ödülleri ikincisi, 2Nd International Congress Of Forensic Toxicology, May 2016

Eken A., Ünlü Endirlik B., Bakır E., Baldemir Kılıç A., Yay A. H. , Cantürk Tan F., Cantürk Y., Poster ödülleri üçüncüsü, Turkish Society Of Toxicology With The Participation Of The Hellenic Society Of Toxicology (Turkheltox), October 2015