Prof. ELA KADIOĞLU

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Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Toksikoloji (Dr), Turkey 2002 - 2008
Postgraduate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Toksikoloji (Yl) (Tezli), Turkey 1999 - 2002
Undergraduate, Gazi University, Eczacılık Fakültesi, Eczacılık Pr. (4 Yıllık), Turkey 1995 - 1999

Dissertations

Doctorate, Barrett özofagus hastalığına genetik duyarlılıkta oksidatif DNA hasarı, DNA onarım kapasitesi ve ilgili bazı gen polimorfizmlerinin rolünün araştırılması, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Toksikoloji (Dr), 2008
Postgraduate, Sevfloluranın genotoksik etkisinin alkali halo ve alkali comet teknikleriyle meme kanserli hastalarda incelenmesi, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasötik Toksikoloji (Yl) (Tezli), 2002

Research Areas

Pharmaceutical Toxicology

Academic Titles / Tasks

Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2020 - Continues
Associate Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2013 - 2020
Research Assistant, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2000 - 2013

Courses

HÜCRESEL TOKSİSİTE MEKANİZMALARI, Postgraduate, 2020 - 2021
Günümüzde Toksikoloji Kariyeri, Undergraduate, 2020 - 2021
Farmasötik Toksikoloji, Undergraduate, 2020 - 2021
Toksikolojide Epigenetik Mekanizmalar, Doctorate, 2017 - 2018, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Assessment of the effects of CNR1, FAAH and MGLL gene variations on the synthetic cannabinoid use disorder**
Altun B., Cok İ., Noyan C. O., Kadioglu E., Cetin A., Sengezer T., Altintas M., Kurnaz S., Dilbaz N.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.48, no.3, pp.282-289, 2023 (SCI-Expanded)

II. **Evaluation of low-to-moderate arsenic exposure, metabolism and skin lesions in a Turkish rural population exposed through drinking water**
Alshana U., Altun B., Ertaş N., Çakmak G., Kadıoğlu E., Hisarli D., Asik E., Atabey E., Celebi C. R., Bilir N., et al.
CHEMOSPHERE, vol.304, 2022 (SCI-Expanded)

III. ** A pooled analysis of molecular epidemiological studies on modulation of DNA repair by host factors **
Opattova A., Langie S. A. S., Milic M., Collins A., Brevik A., Coskun E., Dusinska M., Gaivao I., KADIOĞLU E., Laffon B., et al.
MUTATION RESEARCH-GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS, vol.876, 2022 (SCI-Expanded)

IV. **The hCOMET project: International database comparison of results with the comet assay in human biomonitoring. Baseline frequency of DNA damage and effect of main confounders**
Mili M., Ceppi M., Bruzzone M., Azqueta A., Brunborg G., Godschalk R., Koppen G., Langie S., Moller P., Teixeira J. P., et al.
MUTATION RESEARCH-REVIEWS IN MUTATION RESEARCH, vol.787, 2021 (SCI-Expanded)

V. **Antioxidant effects of dexmedetomidine against hydrogen peroxide-induced DNA damage in vitro by alkaline Comet assay**
Kotanoglu M. S., KADIOĞLU E., EMERCE E., Kaymak C., Ozcan A., Basar H.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.50, no.5, pp.1393-1398, 2020 (SCI-Expanded)

VI. **The association between the OPRM1 A118G polymorphism and addiction in a Turkish population**
Turkan H., KARAHALİL B., KADIOĞLU E., Eren K., Gurol D. T., Karakaya A. E.
ARHIV ZA HIGIJENU RADA I TOKSIKOLOGIJU-ARCHIVES OF INDUSTRIAL HYGIENE AND TOXICOLOGY, vol.70, no.2, pp.97-103, 2019 (SCI-Expanded)

VII. **Cytotoxic Activity-Guided Isolation Studies on Fumana procumbens (Dunal) Gren. & Godr.**
EMERCE E., GÜRBÜZ P., DOĞAN Ş. D., KADIOĞLU E., SÜNTAR İ.
RECORDS OF NATURAL PRODUCTS, vol.13, no.3, pp.189-198, 2019 (SCI-Expanded)

VIII. **The role of DENND1A and CYP19A1 gene variants in individual susceptibility to obesity in Turkish population-a preliminary study**
Kadıoğlu E., Altun B., Ipek C., Döğer E., Bideci A., Attaran H., Çok İ.
MOLECULAR BIOLOGY REPORTS, vol.45, no.6, pp.2193-2199, 2018 (SCI-Expanded)

IX. **Comparisons of the effects of the sevoflurane and propofol on acute ischemia reperfusion and DNA damages in rabbits**
Oncul S., KARABIYIK L., Coskun E., KADIOĞLU E., GÜLBAHAR Ö.
REVISTA BRASILEIRA DE ANESTESIOLOGIA, vol.67, no.1, pp.35-41, 2017 (SCI-Expanded)

X. **The role of oxidative DNA damage and GSTM1, GSTT1, and hOGG1 gene polymorphisms in coronary artery disease risk.**
KADIOĞLU E., TAÇOY G., Ozcagli E., Okyay K., Akboga M. K., Cengel A., Sardas S.
Anatolian journal of cardiology, vol.16, no.12, pp.931-938, 2016 (SCI-Expanded)

XI. **EFFECTS OF USING SEVOFLURANE WITH NITROUS OXIDE AND REMIFENTANIL ON DNA DAMAGE**
Solmaz F. A., CAN Ö., KADIOĞLU E., Sardas S., Ozatamer O.
ACTA MEDICA MEDITERRANEA, vol.30, no.4, pp.775-783, 2014 (SCI-Expanded)

XII. **Micronucleus assay assessment of possible genotoxic effects in patients treated with titanium alloy endosseous implants or miniplates**
KARAHALİL B., KADIOĞLU E., Tuzuner-Oncul A. M., Cimen E., EMERCE E., KİŞNİŞCİ R. Ş.
MUTATION RESEARCH-GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS, vol.760, pp.70-72, 2014 (SCI-Expanded)

XIII. **In Vivo Genotoxicity Assessment of Sertraline by Using Alkaline Comet Assay and the Cytokinesis-Block Micronucleus Assay**
BATTAL D., Aktas A., SUNGUR M. A., KADIOĞLU E., Eker E. D., ŞAHİN N. Ö., Saygi S.
BASIC & CLINICAL PHARMACOLOGY & TOXICOLOGY, vol.113, no.5, pp.339-346, 2013 (SCI-Expanded)

XIV. **Determination of DNA damage after exposure to inhalation anesthetics in human peripheral lymphocytes and sperm cells in vitro by comet assay**
Kaymak C., Kadioglu E., Coskun E., Basar H., Basar M.
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.31, no.12, pp.1207-1213, 2012 (SCI-Expanded)

XV. **Assessment of Individual Susceptibility to Baseline DNA and Cytogenetic Damage in a Healthy Turkish Population: Evaluation with Lifestyle Factors**
KADIOĞLU E., Kocabas N. A., Demircigil G., Coskun E., Ozcagli E., DURMAZ E., KARAHALİL B., BURGAZ S., Sardas S.
GENETIC TESTING AND MOLECULAR BIOMARKERS, vol.16, no.10, pp.1157-1164, 2012 (SCI-Expanded)

XVI. **The role of GSTM1, GSTT1, GSTP1, and OGG1 polymorphisms in type 2 diabetes mellitus risk: A case-control study in a Turkish population**
Gonul N., KADIOĞLU E., Kocabas N. A., ÖZKAYA M., Karakaya A. E., KARAHALİL B.
GENE, vol.505, no.1, pp.121-127, 2012 (SCI-Expanded)

XVII. **Assessment of genotoxic effects in patients treated with titanium alloy endosseous implants or miniplates by micronucleus assay**
Karahalil B., Kadioglu E., Tuzuner-Oncul A. M., Cimen E., Emerce E., Kisnisci R. S.
TOXICOLOGY LETTERS, vol.196, 2010 (SCI-Expanded)

XVIII. **The role of oxidative DNA damage, DNA repair, GSTM1, SOD2 and OGG1 polymorphisms in individual susceptibility to Barrett's esophagus**
Kadioglu E., Sardas S., Ergun M., Unal S., Karakaya A. E.
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XIX. **Effects of sevoflurane and propofol on acute ischemia-reperfusion and DNA damage in rabbits**
Oncul S., Karabiyik L., Coskun E., Kadioglu E., Gulbahar Ö.
EUROPEAN JOURNAL OF ANAESTHESIOLOGY, vol.27, no.1, pp.71, 2010 (SCI-Expanded)

XX. **The role of oxidative DNA damage, DNA repair, GSTM1, SOD2 and OGG1 polymorphisms in individual susceptibility to Barrett's esophagus**
KADIOĞLU E., Sardas S., Ergun M., Unal S., Karakaya A. E.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.26, no.2, pp.67-79, 2010 (SCI-Expanded)

XXI. **DNA Damage, Glutathione, and Total Antioxidant Capacity in Anesthesia Nurses**
Izdes S., Sardas S., KADIOĞLU E., Karakaya A. E.
ARCHIVES OF ENVIRONMENTAL & OCCUPATIONAL HEALTH, vol.65, no.4, pp.211-217, 2010 (SCI-Expanded)

XXII. **Assessment of Genotoxic Damage in Nurses Occupationally Exposed to Anaesthetic Gases or Antineoplastic Drugs by the Comet Assay**
Izdes S., Sardas S., KADIOĞLU E., Kaymak C., Ozcagli E.
JOURNAL OF OCCUPATIONAL HEALTH, vol.51, no.3, pp.283-286, 2009 (SCI-Expanded)

XXIII. **Determination of DNA damage by alkaline halo and comet assay in patients under sevoflurane anesthesia.**
Kadioglu E., Sardas S., Erturk S., Ozatamer O., Karakaya A. E.
Toxicology and industrial health, vol.25, no.3, pp.205-12, 2009 (SCI-Expanded)

XXIV. **Oxidative DNA damage and total antioxidant status in rats during experimental gram-negative sepsis**
Kaymak C., Kadioglu E., Ozcagli E., Osmanoglu G., Izdes S., Agalar C., Basar H., Sardas S.
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.27, no.6, pp.485-491, 2008 (SCI-Expanded)

XXV. **Investigation of oxidative DNA damage in crystalline silica-containing dust exposed workers**
Cakmak G. D., Kadioglu E., Coskun E., Vidinli N., Erbas Y., Schins R. P. F., Borm P. J. A., Burgaz S.
TOXICOLOGY LETTERS, vol.172, 2007 (SCI-Expanded)

XXVI. **The role of antioxidant supplementation in occupational exposure to waste anaesthetic gases.**
Sardas S., Izdes S., Ozcagli E., Kanbak O., Kadioglu E.
International archives of occupational and environmental health, vol.80, no.2, pp.154-9, 2006 (SCI-Expanded)

XXVII. **Assessment of DNA damage in postmenopausal women under osteoporosis therapy**
Bayram M., Soyer C., Kadioglu E., Sardas S.
EUROPEAN JOURNAL OF OBSTETRICS & GYNECOLOGY AND REPRODUCTIVE BIOLOGY, vol.127, no.2, pp.227-230, 2006 (SCI-Expanded)

XXVIII. **Ser326cys polymorphism in hOGG1 gene and its susceptibility to Barrett's esophagus and esophageal carcinoma**
Kadioglu E., Daly A. K., Sardas S., Karakaya A. E.
TOXICOLOGY LETTERS, vol.158, 2005 (SCI-Expanded)

XXIX. **Genoprotective role of vitamin E and selenium in rabbits anaesthetized with sevoflurane**
Kaymak C., Kadioglu E., Basar H., Sardas S.
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.23, no.8, pp.413-419, 2004 (SCI-Expanded)

XXX. **Detection of oxidative DNA damage in lymphocytes of patients with Alzheimer's disease.**
Kadioglu E., Sardas S., Aslan S., Isik E., Karakaya A.
Biomarkers : biochemical indicators of exposure, response, and susceptibility to chemicals, vol.9, no.2, pp.203-9, 2004 (SCI-Expanded)

XXXI. **Assessment of DNA damage in glue sniffers by use of the alkaline comet assay**
Cok İ., Sardas S., Kadioglu E., Ozcagli E.
Mutation Research - Genetic Toxicology and Environmental Mutagenesis, vol.557, no.2, pp.131-136, 2004 (SCI-Expanded)

Articles Published in Other Journals

I. **Formation Mechanism and Toxicity of N-Nitrosamines in Pharmaceutical Products and Raw Materials: Systematic Review**
Akyüz G. Y., KADIOĞLU E.
Literatür Eczacılık Bilimleri Dergisi, vol.12, 2023 (Peer-Reviewed Journal)

II. **Effect of Liver Ischemia-Reperfusion Injury on Genotoxicity in Rabbits: Experimental Study**
BEKTAŞ M., KADIOĞLU E., NAKIP M., çakırca m., ÖZCAN A., KAYMAK Ç.
Türkiye Klinikleri Anesteziyoloji Reanimasyon Dergisi, vol.21, 2023 (Peer-Reviewed Journal)

III. **Toxicological risk assessment of 3-MCPD and glycidyl esters in children consuming potato chips in Turkey**
Emerce E., Kadıoğlu E.
Global Journal for Research Analysis, vol.8, no.2, pp.203-204, 2019 (Peer-Reviewed Journal)

IV. **Çocuklarda Kimyasal Maddelere İlişkin Farkındalığın Artırılması Bir Öğretim Materyalinin Geliştirilmesi ve Denenmesi**
ÇAKMAK DEMİRCİGİL G., DEMİRHAN İŞCAN C., KADIOĞLU E., BIKMAZ F., ÇOK F., ÇAKIR H., KARAARSLAN A., GÜRER ORHAN H., ORHAN H., KARAHALİL B., et al.
Ankara Üniversitesi Eğitim Bilimleri Fakültesi Dergisi, vol.46, no.1, pp.225-248, 2013 (Peer-Reviewed Journal)

V. **Nutrigenomik Kişiselleştirilmiş Diyet**
ENGİN A. B., KADIOĞLU E.
Gıda Güvenliği Dergisi, vol.3, no.1, pp.36-38, 2009 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Türk Farmakopesi 2017**
Türk Farmakopesi Çalışma Grubu Üyeleri (320 Yazarlı) Ü. Y., Emerce E.
Artı 6 Reklam Matbaa Ltd. Şti., Ankara, 2018

Refereed Congress / Symposium Publications in Proceedings

I. **The role of IL-13 and TNF-α polymorphisms in genetic susceptibility to asthma disease.**
Tunçel T., Kaymak Ç., Kadıoğlu E.
11. Uluslararası Türk Toksikoloji Derneği Kongresi, Antalya, Turkey, 02 November 2022

II. **The Role of CYP19 and DENND1A Genetic plymorphysims in Polychistic Ovary Sendrome**
KADIOĞLU E., Cagri I., BİDECİ A., Aktaş Şüküroğlu A., BATTAL D., Doger E., ÇOK İ.
5th International Conference on Biochemistry and Molecular Biology, 15 - 17 March 2018

III. **Arsenic 3 methyltransferase AS3MT and Glutathione S Transferase Omega GSTO1 Genetic Variants associated with Arsenic Susceptibility Influences on As Methabolism and Skin Lesions**
KADIOĞLU E., Hisarlı N. D., Aşık E., ÇAKMAK DEMİRCİGİL G., ALSHANA U., ERTAŞ N., Çelebi C. R., Atabey e., Ataman O. Y., serçe h., et al.
54th annual meeting and ToxExpo, 22 - 26 March 2015

IV. **OGG1 genetic polymorphism in workers exposed to crystalline silica containing dust is not associated with silicosis in exposed workers**
Demircigil G. C., Kadioglu E., Coskun E., Vidinli N., Erbas Y., Cimrin A., Schins R. R., Borm P. J. A., Burgaz S.
45th Congress of the European-Societies-of-Toxicology, Rhodes, Greece, 5 - 08 October 2008, vol.180

V. **Baseline cytogenetic profiles of a healthy Turkish population by three test systems: Comparison between assays**
COŞKUN E., KADIOĞLU E., ÇAKMAK G., ÖZÇAĞLI E., DURMAZ E., KARAHALİL B., BURGAZ S., ŞARDAŞ S., AYGÜN KOCABAŞ N.
EUROTOX, 45th Congress of the European Societies of Toxicology, 5 - 08 October 2008

VI. **Bleomycin induced chromosomal aberrations frequencies in a Turkish population**
DURMAZ E., KARAHALİL B., ÖZÇAĞLI E., ÇAKMAK DEMİRCİGİL G., KADIOĞLU E., COŞKUN E., ŞARDAŞ S., BURGAZ S., AYGÜN KOCABAŞ N.
The 5th International Conference on Environmental Mutagens in Human Populations, Antalya, Turkey, 20 - 24 May 2007

Expert Reports

I. **Cytotoxic activity of resveratrol in different cell lines evaluated by Mtt and Nru assays**
KADIOĞLU E.
2015

II. **Yaşlılıkta alkol kullanımına bağlı ilaç etkileşmeleri**
KADIOĞLU E.
2015

III. **Toxicological evaluation of nanoparticles widely used in cosmetics**
KADIOĞLU E.
2015

Supported Projects

KADIOĞLU E., EMERCE E., AYSAL A. İ., AKYÜZ G. Y., Project Supported by Higher Education Institutions, Antidiyabetik ilaç formülasyonunda safsızlıkların belirlenmesi ve in silico mutajenite analizi ile değerlendirilmesi, 2022 - Continues
KADIOĞLU E., Tuncel T., Project Supported by Higher Education Institutions, Astım hastalığına genetik duyarlılıkta IL-13 ve TNF-? polimorfizmlerinin rolünün araştırılması, 2019 - 2022
Kadıoğlu E., Emerce E., Şengezer Ü. S., Project Supported by Higher Education Institutions, Arseniğe maruz kalan bireylerde serum tiyoredoksin-1 ve epidermal büyüme faktör reseptör seviyelerinin araştırılması, 2018 - 2021
Emerce E., Kadıoğlu E., Süntar İ., Gürbüz P., Doğan Ş. D., Project Supported by Higher Education Institutions, Fumana

procumbens (Dunal) Gren. Godr. Bitkisi Üzerinde Sitotoksik ve Genotoksik Aktivite Çalışmaları, 2018 - 2021
ÇOK İ., KADIOĞLU E., ŞENGEZER T., DİLBAZ H. N., NOYAN C. O., ÇETİN A., ALTUN B., Project Supported by Higher Education Institutions, Endokannabinoid Sistemde Görev Alan Bazı Reseptör ve Enzimlere Ait Genlerdeki Çesitli Polimorfizmlerin Sentetik Kannabinoid Bağımlılığındaki Rollerinin Araştırılması, 2018 - 2021
Çok İ., Kadıoğlu E., TUBITAK Project, Polikistik Over Sendromlu (PKOS) Ergen Kızlarda CYP19, DENND1A Genetik Polimorfizmleri ve Bazı endokrin Bozuculara Maruziyetin Gen-Çevre Etkileşimi Yönünden Araştırılması, 2016 - 2018
Gürsel E. T., Kadıoğlu E., Burgaz S., Project Supported by Higher Education Institutions, Analyzing of gene polimorphisms of MTHFR C677T, MTHFR A1298C and CBC T833C influencing arsenic toxicity, 2015 - 2018
Çakmak G., Kadıoğlu E., Project Supported by Higher Education Institutions, İnorganik arseniğe içme suyu yoluyla maruz kalan bireylerde çeşitli genlerin ekspresyon düzeylerinin Real Time PCR RT PCR yöntemiyle araştırılması, 2012 - 2015
Çakmak G., Kadıoğlu E., Burgaz S., Project Supported by Higher Education Institutions, İçme suyu yoluyla arseniğe maruz kalan bireylerde gen ekspresyon değişikliklerinin mikrodizin uygulamasıyla belirlenmesi, 2012 - 2015
Burgaz S., Çakmak G., Ertaş N., Kadıoğlu E., TUBITAK Project, İçme sularında arsenik kirliliği olan bölgelerde yaşayan bireylerdeki sağlık risklerinin moleküler epidemiyolojik yöntemlerle araştırılması, 2010 - 2014
Kadıoğlu E., Çakmak G., EU Supported Other Project, Raising Awareness of indoor and outdoor Chemicals' Harmful Effects Among Children., 2008 - 2014
Kadıoğlu E., Çakmak G., EU Supported Other Project, Raising the Awareness on Healthy Food and Healthy Eating Among Children, 2011 - 2013
Kadıoğlu E., Karahalil B., Emerce E., Öncül A. M. T., Project Supported by Higher Education Institutions, Titanyum alaşımlı endoosseoz implant veya mini plak uygulanan hastalarda genotoksik etkilerin mikroçekirdek yöntemi ile araştırılması, 2009 - 2013
Kadıoğlu E., Kaymak Ç., Project Supported by Higher Education Institutions, İnhalasyon anesteziklere bağlı genotoksik etkilerin in-vitro lenfosit hücre kültüründe incelenmesi., 2006 - 2009
Kadıoğlu E., Aygün Kocabaş N., Project Supported by Other Official Institutions, Türk popülasyonunda Gen polimorfizmi ile kanser riski arasındaki ilişkinin sitogenetik ve moleküler biyoizlenimi, 2003 - 2009
Kadıoğlu E., Şardaş S., Project Supported by Higher Education Institutions, Anestezik Gazlara Maruz Kalan anestezi Personelinin Lenfositlerindeki DNA Hasarının Total Antioksidan Kapasitesi ve GSH Düzeyi ile İlişkisinin Değerlendirilmesi, 2004 - 2006
Kadıoğlu E., Biri H., Project Supported by Higher Education Institutions, Hormon replasman tedavisinin yaratabileceği oksidatif DNA hasarının periferal lenfositlerde araştırılması, 2003 - 2005
Kadıoğlu E., Şardaş S., Project Supported by Higher Education Institutions, Bir genotoksisite testi olarak alkali halo tekniğinin genotoksikı etkisi bilinen bir kimyasal bileşik üzerinde uygulanması, 2001 - 2003

Metrics

Publication: 67
Citation (WoS): 361
Citation (Scopus): 381
H-Index (WoS): 10
H-Index (Scopus): 11

Non Academic Experience

Gazi Üniversitesi
Newcastle upon tyne university