

Prof. EBRU IŐIK EMEKLİ

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: X-2758-2019

ScopusID: 22952806500

Yoksis Researcher ID: 117540

Biography

DVM/PhD

Education

Doctorate, Marmara University, Institute of Health Sciences, Biyokimya (Dr), Turkey 2001 - 2006

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Personal Evolution, Neuro Linguistic Program ve Koçluk Uygulamaları, İSTANBUL ÜNİVERSİTESİ SÜREKLİ EĞİTİM UYGULAMA VE ARAŐTIRMA MERKEZİ, 2024

Dissertations

Doctorate, Hiperlipidemik ve Diyabetik Hayvan Modellerinde Arachis Hypogaea ve Doymamıő Yağ Asidi İçeriğinin Trombojenik Aktivite ve Lipid Profili Üzerine Etkisinin İncelenmesi, Marmara Üniversitesi, Institute of Health Sciences, Biyokimya (Dr), 2006

Research Areas

Medicine, Pharmacology and Therapeutics, Life Sciences, Biochemistry, Molecular Biology and Genetics, Health Sciences, Natural Sciences

Academic Positions

Professor, Marmara University, Faculty of Dentistry, Basic Medical Sciences (Faculty of Dentistry), 2016 - Continues
Associate Professor, Marmara University, Faculty of Dentistry, Basic Medical Sciences (Faculty of Dentistry), 2011 - 2016
Research Assistant, Marmara University, Faculty of Dentistry, Basic Medical Sciences (Faculty of Dentistry), 2001 - 2010

Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Marmara University, Faculty of Dentistry, Basic Medical Sciences (Faculty of Dentistry), 2011 - 2016

Rector's Advisor, Marmara University, Faculty of Dentistry, Basic Medical Sciences (Faculty of Dentistry), 2014 - 2014

Erasmus Coordinator, Marmara University, Institute of Health Sciences, 2010 - 2012

Assistant Director of the Institute, Marmara University, Institute of Health Sciences, 2010 - 2012

Ethics Committee Member, Marmara University, Institute of Health Sciences, 2010 - 2012

Enstitü Yönetim Kurulu Üyesi, Marmara University, Institute of Health Sciences, 2010 - 2012

Courses

Undergraduate

Biyokimya, Undergraduate

Supervised Theses

Mega Tiber P., Alturfan E. I., Zebra balığında oluşturulan epilepsi modelinde valproik asitin ağrı mekanizması üzerine etkileri, Doctorate, F.DUYGU(Student), 2022

Alturfan E. I., Propil paraben ve valproik asitin embriyonel dönemde gelişim üzerine etkilerinin karşılaştırılması, Postgraduate, Ş.ÇALIŞKAN(Student), 2022

Alturfan E. I., Fetal hiperglisemi modelinde endokrin bozucu fitalatın obezogenik etkilerinin incelenmesi, Postgraduate, G.KAPLAN(Student), 2021

Alturfan E. I., Farklı dalga boylarında ışık yayan diyetlerin pankreas gelişimi ve beta hücre fonksiyonları üzerine etkileri, Doctorate, Ü.VELİ(Student), 2021

Alturfan E. I., Metilparaben maruziyetinin zebra balığı embriyoları üzerindeki biyokimyasal ve epigenetik etkilerinin araştırılması, Doctorate, P.SEDA(Student), 2020

ALTURFAN E. I., Benzo (a) Piren, Dimetil Benz (a) antrasen Ve N-Metil-N-Nitrozüre'nin Karsinojenik Etkilerinin Zebra Balıklarında İncelenmesi, Postgraduate, G.EĞİLMEZER(Student), 2019

ALTURFAN E. I., Zebra balıklarında rotenon ile oluşturulan deneysel parkinson modelinde biyokimyasal ve moleküler mekanizmalar ile çeşitli nöroprotektif ajanların etkilerinin incelenmesi, Doctorate, İ.Yurtsever(Student), 2019

ALTURFAN E. I., Zebra balıklarında oluşturulan T1P 2 diyabet modelinde Stevia Rebaudiana'nın olası etkilerinin incelenmesi, Postgraduate, E.Dandin(Student), 2019

ALTURFAN E. I., Doğal yaşlanma modelinde kalori kısıtlaması ve egzersizin beyin ve testis dokusundaki etkileri, Postgraduate, U.HAKGÜDER(Student), 2018

Alturfan E. I., Ak E., Zebra balıklarında rotenon ile oluşturulan deneysel parkinson modelinde oleandrinin ve mitokuinonun olası etkilerinin incelenmesi, Postgraduate, İ.ÜNAL(Student), 2018

ALTURFAN E. I., Polietilen tereftalat ve polikarbonat kaplarda saklanan suların zebra balığı embriyosu gelişimi ve proliferatif hücre çekirdek antijeni ekspresyonu üzerine etkilerinin araştırılması, Postgraduate, A.TIRPANCI(Student), 2017

ALTURFAN E. I., Di-2-etilheksilfitalat ve bisfenol A'nın zebra balığı embriyosu gelişimi ve bazı WNT-β katenin sinyal yolu proteinlerinin ekspresyonu üzerine etkilerinin araştırılması, Postgraduate, Ü.VELİ(Student), 2017

ALTURFAN E. I., Amiodaron ile oluşturulan toksisitede beyaz lahana (brassica oleracea l. var. capitata) ekstraktının sıçan kalp dokusuna etkisi, Postgraduate, H.Hazineci(Student), 2016

ALTURFAN E. I., Süt ve karışık dişlenme dönemindeki çocuklarda tükürük laktoferrin, kortizol ve α -amilaz düzeylerinin anksiyete ile ilişkisinin değerlendirilmesi, Postgraduate, B.Korkmaz(Student), 2015
ALTURFAN E. I., Sıçanlarda yanığa bağlı oluşan doku hasarına karşı anjiotensin dönüştürücü enzim inhibitörü kaptoprilin, Postgraduate, G.Özdemir(Student), 2012

Jury Memberships

Doctoral Examination, Doctoral Examination, İstanbul Üniversitesi, August, 2019
Post Graduate, Post Graduate, İstanbul Üniversitesi, July, 2019
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Marmara Üniversitesi, June, 2019
Post Graduate, Post Graduate, İstanbul Üniversitesi, May, 2019
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Nişantaşı Üniversitesi, May, 2018
Doctoral Examination, Doctoral Examination, İstanbul Üniversitesi, May, 2018

Taught Courses and Trainings

Alturfan E. I., Deneysel Hayvanları Kullanımı Etik Sertifika Programı-Mayıs 2019, 2019 - 2019
Alturfan E. I., Deneysel Hayvanları Sertifika Programı-Ocak 2019, 2019 - 2019
Alturfan E. I., Deneysel Hayvanları Kullanımı Sertifika Programı-Ekim 2018, 2018 - 2018
Alturfan E. I., Deneysel Hayvanları Kullanımı Sertifika Programı-Mayıs 2018, 2018 - 2018

Journal articles indexed in SCI, SSCI, and AHCI

- I. **520 nm and 660 nm light-emitting diodes modulates pancreatic development and beta cell functions in zebrafish embryos.**
Üstündağ Ü. V., Ünal İ., Cansız D., Beler M., Kanagaraj N. K., Kumar A. R., Peravali R., Emekli-Alturfan E. I.
Photochemistry and photobiology, 2024 (SCI-Expanded)
- II. **Investigating the effect of radiofrequency electromagnetic field exposure on molecular pathways related to insulin resistance and adipogenesis in zebrafish embryos - A pilot study without quantitative exposure metrics.**
Koç I. Y., Beler M., Ünal İ., Paker S., Emekli-Alturfan E. I., Alturfan A. A., Cansız D.
The Science of the total environment, pp.176038, 2024 (SCI-Expanded)
- III. **Effects of benzoic acid synthesized from Cinnamomum cassia by green chemistry on valproic acid-induced neurotoxicity in zebrafish embryos.**
Cansız D., Özokan G., Bilginer A., Işıkoğlu S., Mızrak Z., Ünal İ., Beler M., Alturfan A. A., Alturfan E. I.
Toxicology mechanisms and methods, vol.34, no.7, pp.833-843, 2024 (SCI-Expanded)
- IV. **Comparison of the developmental effects of lactase or bisphenol A antibody immobilized polycaprolactone/silk fibroin nanofibers on zebrafish embryos.**
Sivas G. G., Ünal İ., Gürel-Gökmen B., Emekli-Alturfan E. I., Tunali Akbay T.
Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association, vol.191, pp.114871, 2024 (SCI-Expanded)
- V. **Gentisic acid exerts neuroprotective effects in neurotoxin-induced Parkinson's disease model in zebrafish: Cross-talk between pathways related with neurodegeneration in the gut-brain axis.**
Cansız D., Ünal İ., Gani Sürmen M., Sürmen S., Sezer Z., Beler M., Güzel E., Alturfan A. A., Emekli-Alturfan E. I.
Brain research, vol.1836, pp.148952, 2024 (SCI-Expanded)
- VI. **Diethylhexyl phthalate exposure amplifies oxidant and inflammatory response in fetal hyperglycemia model predisposing insulin resistance in zebrafish embryos.**
Kaplan G., Beler M., Ünal İ., Karagöz A., Eğilmez G., Üstündağ Ü. V., Cansız D., Alturfan A. A., Emekli-Alturfan E. I.

Toxicology and industrial health, vol.40, no.5, pp.232-243, 2024 (SCI-Expanded)

- VII. **Toothpastes for children and their detergent contents affect molecular mechanisms of odontogenesis in zebrafish embryos.**
Karaman G. E., Ünal İ., Beler M., Üstündağ F. D., Cansız D., Üstündağ Ü. V., Emekli-Alturfan E. I., Akyüz S.
Drug and chemical toxicology, vol.47, no.1, pp.15-25, 2024 (SCI-Expanded)
- VIII. **Effects of low-dose ionizing radiation on the molecular pathways linking neurogenesis and autism spectrum disorders in zebrafish embryos**
Kollayan B. Y., Cansız D., Beler M., Unal I., Emekli-Alturfan E. I., Yalcinkaya Ş.
Drug and Chemical Toxicology, vol.47, no.6, pp.960-973, 2024 (SCI-Expanded)
- IX. **Comparison of the cytotoxicity and zebrafish embryo toxicity of insect repellent ingredients: p-Menthane-3,8-diol synthesized by green chemistry from Eucalyptus citriodora and N,N-diethyl-metoluamide.**
Özokan G., Bilginer A., Mızrak Z., Işıkoğlu S., Beler M., Ünal İ., Cansız D., Alturfan A. A., Emekli-Alturfan E. I.
Drug and chemical toxicology, vol.47, no.6, pp.1193-1204, 2024 (SCI-Expanded)
- X. **Synthesis of salicylic acid from wintergreen oil by green chemistry overcomes its cytotoxicity in keratinocyte cells and teratogenicity in zebrafish embryos.**
Özokan G., Cansız D., Bilginer A., Ünal İ., Beler M., Alturfan A. A., Emekli-Alturfan E. I.
Toxicology mechanisms and methods, vol.34, no.2, pp.203-213, 2024 (SCI-Expanded)
- XI. **LDH-A Inhibitor as a Remedy to Potentiate the Anticancer Effect of Docetaxel in Prostate Cancer**
Cakici C., Daylan B., Unluer R. S., Emekli-Alturfan E. I., Ayla S., Gozel H. E., Yigit P., Dokgoz E. Y., Yigitbasi T.
JOURNAL OF CANCER, vol.15, no.3, pp.590-602, 2024 (SCI-Expanded)
- XII. **Panoramic Dental X-ray Exposure Leads to Oxidative stress, Inflammation and Apoptosis-mediated Developmental Defects in Zebrafish Embryos.**
Karagöz A., Beler M., Altun B. D., Ünal İ., Cansız D., Gündüz H., Alturfan A. A., Emekli-Alturfan E. I., Erçalık-Yalçinkaya Ş.
Journal of stomatology, oral and maxillofacial surgery, vol.124, pp.101661, 2023 (SCI-Expanded)
- XIII. **The effect of acetic acid-induced pain in Parkinson's disease model in zebrafish.**
Cansız D., Unal I., Beler M., Ustundag U. V., Ak E., Alturfan E. I., Alturfan A. A.
Neurotoxicology, vol.99, no.1, pp.14-23, 2023 (SCI-Expanded)
- XIV. **Endotoxin of Porphyromonas gingivalis amplifies the inflammatory response in hyperglycemia-induced zebrafish through a mechanism involving chitinase-like protein YKL-40 analogs**
Gündüz G., Beler M., Ünal İ., CANSIZ D., ALTURFAN E. I., KÖSE K. N.
Toxicological Research, vol.39, no.4, pp.625-636, 2023 (SCI-Expanded)
- XV. **Sodium-dependent glucose co-transporter-2 inhibitor empagliflozin exerts neuroprotective effects in rotenone-induced Parkinson's disease model in zebrafish; mechanism involving ketogenesis and autophagy.**
Ünal İ., Cansız D., Beler M., Sezer Z., Güzel E., Alturfan E. I.
Brain research, vol.1820, no.1, pp.148536, 2023 (SCI-Expanded)
- XVI. **Identification of Molecular Network of Gut-Brain Axis Associated with Neuroprotective Effects of PPAR δ -Ligand Erucic Acid in Rotenone-Induced Parkinson's Disease Model in Zebrafish.**
Ünal İ., Cansız D., Sürmen M. G., Sürmen S., Sezer Z., Beler M., Üstündağ Ü. V., Güzel E., Alturfan A. A., Emekli-Alturfan E. I.
The European journal of neuroscience, vol.57, pp.585-606, 2023 (SCI-Expanded)
- XVII. **Morphine ameliorates pentylenetetrazole-induced locomotor pattern in zebrafish embryos; mechanism involving regulation of opioid receptors, suppression of oxidative stress, and inflammation in epileptogenesis**
Üstündağ F. D., Ünal İ., Üstündağ Ü. V., Cansız D., Beler M., Alturfan A. A., Tiber P., Emekli-Alturfan E. I.
TOXICOLOGY MECHANISMS AND METHODS, vol.33, no.2, pp.151-160, 2023 (SCI-Expanded)
- XVIII. **The emerging relationship between vitamin K and neurodegenerative diseases: a review of current evidence.**
Emekli-Alturfan E. I., Alturfan A. A.

Molecular biology reports, vol.50, pp.815-828, 2023 (SCI-Expanded)

- XIX. Rifampicin decreases neuroinflammation to maintain mitochondrial function and calcium homeostasis in rotenone-treated zebrafish**
Yurtsever I., Ustundag U. V., Unal I., Ates P. S., ALTURFAN E. I.
DRUG AND CHEMICAL TOXICOLOGY, vol.45, no.4, pp.1544-1551, 2022 (SCI-Expanded)
- XX. 3-Pyridinylboronic Acid Ameliorates Rotenone-Induced Oxidative Stress Through Nrf2 Target Genes in Zebrafish Embryos.**
Üstündağ F. D., Ünal İ., Üstündağ Ü. V., Cansız D., Beler M., Karagöz A., Kara Subaşat H., Alturfan A. A., Mega Tiber P., Emekli-Alturfan E. I.
Neurochemical research, vol.47, no.1, pp.1553-1564, 2022 (SCI-Expanded)
- XXI. Amelioration of rotenone-induced alterations in energy/redox system, stress response and cytoskeleton proteins by octanoic acid in zebrafish: A proteomic study.**
Sürmen M. G., Sürmen S., Cansız D., Ünal İ., Üstündağ Ü. V., Alturfan A. A., Büyükkayhan D., Emekli-Alturfan E. I.
Journal of biochemical and molecular toxicology, vol.36, no.1, 2022 (SCI-Expanded)
- XXII. 3-Pyridinylboronic acid normalizes the effects of 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine exposure in zebrafish embryos.**
Üstündağ F., Ünal İ., Cansız D., Üstündağ Ü., Subaşat H., Alturfan A., Tiber P., Emekli-Alturfan E. I.
Drug and chemical toxicology, vol.45, no.2, pp.947-954, 2022 (SCI-Expanded)
- XXIII. Stevioside ameliorates hyperglycemia and glucose intolerance, in a diet-induced obese zebrafish model, through epigenetic, oxidative stress and inflammatory regulation**
Dandin E., Üstündağ Ü. V., Ünal İ., Ateş-Kalkan P. S., Cansız D., Beler M., AK E., ALTURFAN A. A., ALTURFAN E. I.
Obesity Research and Clinical Practice, vol.16, no.1, pp.23-29, 2022 (SCI-Expanded)
- XXIV. Morphine attenuates neurotoxic effects of MPTP in zebrafish embryos by regulating oxidant/antioxidant balance and acetylcholinesterase activity**
Cansız D., Ustundag U. V., Unal I., Alturfan A. A., ALTURFAN E. I.
DRUG AND CHEMICAL TOXICOLOGY, vol.45, no.6, pp.2439-2447, 2022 (SCI-Expanded)
- XXV. Bisphenol A reveals its obesogenic effects through disrupting glucose tolerance, oxidant-antioxidant balance, and modulating inflammatory cytokines and fibroblast growth factor in zebrafish**
Belcer M., Cansız D., Ünal İ., Üstündağ Ü. V., Dandin E., Ak E., Alturfan A. A., Emekli-Alturfan E. I.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.38, no.1, pp.19-28, 2022 (SCI-Expanded)
- XXVI. Quantitative phosphoproteomics to resolve the cellular responses to octanoic acid in rotenone exposed zebrafish.**
Sürmen M. G., Sürmen S., Cansız D., Ünal İ., Üstündağ Ü. V., Alturfan A. A., Emekli-Alturfan E. I.
Journal of food biochemistry, vol.45, 2021 (SCI-Expanded)
- XXVII. Caprylic acid ameliorates rotenone induced inflammation and oxidative stress in the gut-brain axis in Zebrafish**
Cansız D., Unal I., Ustundag U. V., Alturfan A. A., Altinoz M. A., ELMACI I., ALTURFAN E. I.
MOLECULAR BIOLOGY REPORTS, vol.48, no.6, pp.5259-5273, 2021 (SCI-Expanded)
- XXVIII. Milrinone Attenuates Heart and Lung Remote Injury after Abdominal Aortic Cross-Clamping.**
Ak E., Ak K., Ustandag U., Kervancioglu-Demirci E., Emekli-Alturfan E. I., Çetinel S.
Annals of vascular surgery, vol.69, pp.391-399, 2020 (SCI-Expanded)
- XXIX. The effect of Myrtus communis L. ethanol extract on the small intestine and lungs in experimental thermal burn injury**
Ozcan O., Ipekci H., Alev B., Ustundag U. V., ŞEN A., ALTURFAN E. I., ŞENER G., YARAT A., Tunali-Akbay T.
JOURNAL OF THERMAL BIOLOGY, vol.93, 2020 (SCI-Expanded)
- XXX. Methylnitrosourea, dimethylbenzanthracene and benzo(a)pyrene differentially affect redox pathways, apoptosis and immunity in zebrafish**
Eğimezer G., Üstündağ Ü., Ateş P., Ünal İ., Üstündağ F., Alturfan A., Emekli-Alturfan E. I., Altinoz M., Elmaci I.
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.39, no.7, pp.920-929, 2020 (SCI-Expanded)
- XXXI. Neuroprotective effects of mitoquinone and oleandrin on Parkinson's disease model in zebrafish.**
Unal I., Caliskan-Ak E., Ustundag U. V., Ates P. S., Alturfan A. A., Altinoz M. A., Elmaci I., Emekli-Alturfan E. I.

- The International journal of neuroscience, vol.130, no.6, pp.574-582, 2020 (SCI-Expanded)
- XXXII. **Zebrafish; an emerging model organism for studying toxicity and biocompatibility of dental materials**
Karaman G. E., ALTURFAN E. I., Akyuz S.
CELLULAR AND MOLECULAR BIOLOGY, vol.66, no.8, pp.41-46, 2020 (SCI-Expanded)
- XXXIII. **Wnt pathway: A mechanism worth considering in endocrine disrupting chemical action.**
Üstündağ Ü., Emekli-Alturfan E. I.
Toxicology and industrial health, vol.36, pp.41-53, 2020 (SCI-Expanded)
- XXXIV. **Oxidative stress and apoptosis in electromagnetic waves exposed Zebrafish embryos and protective effects of conductive nonwoven fabric**
Üstündağ Ü., Özen M., Ünal İ., Ateş P., Alturfan A., Akalın M., Sancak E., Emekli-Alturfan E. I.
CELLULAR AND MOLECULAR BIOLOGY, vol.66, no.1, pp.70-75, 2020 (SCI-Expanded)
- XXXV. **Protective effect of Myrtle (Myrtus communis) on burn induced skin injury**
Ozcan O., Ipekci H., Alev B., Ustundag U., Ak E., Sen A., Alturfan E. I., Sener G., Yarat A., Cetinel Ş., et al.
BURNS, vol.45, no.8, pp.1856-1863, 2019 (SCI-Expanded)
- XXXVI. **White LED Light Exposure Inhibits the Development and Xanthophore Pigmentation of Zebrafish Embryo**
Ustundag U. V., Caliskan-Ak E., Ates P. S., Unal I., Egilmezer G., Yigitbasi T., Alturfan A. A., Emekli-Alturfan E. I.
SCIENTIFIC REPORTS, vol.9, 2019 (SCI-Expanded)
- XXXVII. **Rotenone impairs oxidant/antioxidant balance both in brain and intestines in zebrafish**
Unal I., Ustundag U. V., Ates P. S., Egilmezer G., Alturfan A. A., Yiğitbaşı T., Emekli-Alturfan E. I.
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.129, pp.363-368, 2019 (SCI-Expanded)
- XXXVIII. **Fishing for Parkinson's Disease: A review of the literature**
Unal I., Emekli-Alturfan E. I.
JOURNAL OF CLINICAL NEUROSCIENCE, vol.62, pp.1-6, 2019 (SCI-Expanded)
- XXXIX. **Assessment of dental caries and salivary nitric oxide levels in children with dyspepsia**
Aksit-Bicak D., Emekli-Alturfan E. I., Ustundag U. V., Akyuz S.
BMC ORAL HEALTH, vol.19, 2019 (SCI-Expanded)
- XL. **Evaluation of nitric oxide levels in chronic periodontitis patients treated with initial periodontal therapy and probiotic food supplements: a double blind, randomized controlled clinical trial**
Kuka G. I., Gursoy H., Emekli-Alturfan E. I., Ustundag U. V., Kuru B.
BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT, vol.33, no.1, pp.974-979, 2019 (SCI-Expanded)
- XLI. **Methylparaben induces malformations and alterations on apoptosis, oxidant-antioxidant status, ccnd1 and myca expressions in zebrafish embryos**
Alturfan E. I.
Journal Of Biochemical And Molecular Toxicology, vol.1, no.1, pp.1-10, 2019 (SCI-Expanded)
- XLII. **From epidemiology to treatment: Aspirin's prevention of brain and breast-cancer and cardioprotection may associate with its metabolite gentisic acid**
Altinoz M. A., Elmaci I., Cengiz S., Emekli-Alturfan E. I., ÖZPINAR A.
CHEMICO-BIOLOGICAL INTERACTIONS, vol.291, pp.29-39, 2018 (SCI-Expanded)
- XLIII. **Methylparaben induces malformations and alterations on apoptosis, oxidant-antioxidant status, ccnd1 and myca expressions in zebrafish embryos**
Ates P. S., Unal I., Ustundag U. V., Alturfan A. A., Yiğitbaşı T., Emekli-Alturfan E. I.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.32, 2018 (SCI-Expanded)
- XLIV. **The effect of vitamin U on the lung tissue of pentylenerazole-induced seizures in rats**
Oktay S., Bayrak G., Alev B., Ipekci H., Ustundag U. V., Turkyilmaz I. B., Pisiriciler R., Emekli-Alturfan E. I., Tunali-Akbay T., Yanardag R., et al.
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.391, no.2, pp.177-184, 2018 (SCI-Expanded)
- XLV. **Vinorelbine's anti-tumor actions may depend on the mitotic apoptosis, autophagy and inflammation: hypotheses with implications for chemo-immunotherapy of advanced cancers and pediatric gliomas**
Altinoz M. A., ÖZPINAR A., ALTURFAN E. I., Elmaci I.

JOURNAL OF CHEMOTHERAPY, vol.30, no.4, pp.203-212, 2018 (SCI-Expanded)

- XLVI. **Evaluation of the interaction between proliferation, oxidant-antioxidant status, Wnt pathway, and apoptosis in zebrafish embryos exposed to silver nanoparticles used in textile industry**
Eryilmaz O., Ates P. S., Unal I., Ustundag U. V., Bay S., Alturfan A. A., Yiğitbaşı T., Emekli-Alturfan E. I., Akalin M.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.32, 2018 (SCI-Expanded)
- XLVII. **Neuroprotective and tumoricidal activities of cardiac glycosides. Could oleandrin be a new weapon against stroke and glioblastoma?**
Elmaci I., ALTURFAN E. I., Cengiz S., ÖZPINAR A., Altinoz M. A.
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.128, no.9, pp.865-877, 2018 (SCI-Expanded)
- XLVIII. **Bisphenol A and di(2-ethylhexyl) phthalate exert divergent effects on apoptosis and the Wnt/-catenin pathway in zebrafish embryos: A possible mechanism of endocrine disrupting chemical action**
Ustundag U. V., Unal I., Ates P. S., Alturfan A. A., Yiğitbaşı T., Emekli-Alturfan E. I.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.33, pp.901-910, 2017 (SCI-Expanded)
- XLIX. **Protective role of Edaravone against valproic acid induced changes in skin**
Tunali-Akbay T., Alev B., Tunali S., Oktay S., Emekli-Alturfan E. I., Ipekci H., Ozturk L. K., Yanardag R., YARAT A.
INDIAN JOURNAL OF EXPERIMENTAL BIOLOGY, vol.55, no.5, pp.286-291, 2017 (SCI-Expanded)
- L. **Effect of Ankaferd Blood Stopper on Skin Superoxide Dismutase and Catalase Activities in Warfarin-Treated Rats**
Aktop S., Emekli-Alturfan E. I., GÖNÜL O., Gocmen G., GARİP H., YARAT A., Goker K.
CLINICAL AND APPLIED THROMBOSIS-HEMOSTASIS, vol.23, no.2, pp.168-174, 2017 (SCI-Expanded)
- LI. **Protective role of edavarone against valproic acid induced changes in skin**
AKBAY T., alev b., TUNALI S., OKTAY N. Ş., ALTURFAN E. I., ipekçi h., KOÇ ÖZTÜRK L., YANARDAĞ R., YARAT A.
Indian Journal of Experimental Biology, vol.55, pp.286-291, 2017 (SCI-Expanded)
- LII. **Effects of Chard (Beta VulgarisL. Var. Cicla) on Cardiac Damage in Valproic Acid-Induced Toxicity**
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- III. **Interaction of Sialyltransferases, Sialidases, and Sialic Acids in Liver Diseases and Applications to Biomarker Discovery**
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- IV. **Krom ve Nikel**
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- X. **Lipitler ve Lipoproteinler**
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- XV. **Laboratuvar El Klavuzu Klinik Tanı Parametrelerinin Kısaltmaları ve Açıklamaları**
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- II. **Morphological Effects of Low-Dose Ionising Radiation Exposure From a Diagnostic Dental X-Ray Unit on Zebrafish Embryos**
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- III. **Effect of sodium lauryl sulphate on developing zebrafish embryos**
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- IV. **Nörotoksin maruziyeti durumunda 3-piridin boronik asidin etkileri**
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- V. **Zebra Balığı Embriyosunda Yapay Aydınlatmanın Melatonin Ekspresyonuna Etkileri**
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- VI. **Rotenon Toksisitesi Durumunda Kaprilik Asidin Etkileri**
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- VII. **Yapay Aydınlatmanın Pankreas Gelişimi Üzerine Etkileri**
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- VIII. **Endokrin Bozucu Kimyasalların Obezogenik Etkileri**
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- X. **Gestasyonel diyabet modeli olarak zebra balığı embriyoları**
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- XI. **Bitkisel Diş Macununun Zebra Balığı Embriyolarının Gelişimi Üzerine Biyouyumluluğu**
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- XII. **Kalp dokusunda rotenon maruziyetinin oksidatif stres ve inflamasyon üzerine etkileri**
YURTSEVER İ., Üstündağ Ü. V., Ateş P. S., Ünal İ., ALTURFAN E. I.
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- XIII. **A Pilot Study On Salivary Superoxide Dismutase as AntioxidantParameter in Oral Lichen Planus**
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- XIV. **An Important Oxidative Marker in Oral Lichen Planus:Lipid Peroxidation (A Pilot Study)**
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- XV. **Pilot Study on Altered Salivary Nitric Oxide Levels in Oral LichenPlanus Disease**
İşler S., Ateş p. s., üstündağ ü. v., ERÇALIK YALÇINKAYA Ş., ALTURFAN E. I.

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- XVI. **Altered Salivary Glutathion S-Transferase Activity in Oral LichenPlanus Disease**
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- XVII. **Effects of Infrared (IR) Light Source in MPTP Exposed Zebrafish Embryos**
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- XIX. **Biochemical and dental parameters in children with Down syndrome and mental retardation**
AKYÜZ S. H., YARAT A., ALTURFAN E. I., OKTAY N. Ş.
24th International Association for Disability and Oral Health Congress, 31 August - 02 September 2018, (Summary Text)
- XX. **Biochemical and Dental Parameters in Children with Down Sydrome and Mental Retardation.**
AKYÜZ S. H., Yalvaç G., OKTAY N. Ş., YARAT A., ALTURFAN E. I.
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- XXI. **Investigation of Sialic Acid and Dental Parameters in Children with Down Sydrome and Mental Retardation**
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M:U. Uluslararası Dişhekimliği Sempozyumu, İstanbul, Turkey, 4 - 05 May 2018, (Summary Text)
- XXII. **Deneysel Hayvan Modelleri**
ALTURFAN E. I.
Dermatolojide Deneysel Hayvan Modelleri, Turkey, 14 November 2017, (Summary Text)
- XXIII. **Proliferative cell nuclear antigen,wnt3a,b catenin expressions and biochemical parameters in the offsprings of ionizing radiation exposed zebrafish**
Ateş P. S., Ünal İ., Üstündağ Ü. V., GÜLŞEN F., ALTURFAN E. I., ALTURFAN A. A.
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- XXIV. **The relationship between oxidant-antioxidant status and apoptosis in bisphenol F and bisphenol S exposed zebrafish embryos**
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- XXV. **Gut-Brain Oxidant-Antoxidant Status and Locomotor Activity in Rotenon Exposed Zebrafish**
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International Meeting on Education and Research in Health Sciences, 3 - 05 November 2017, (Summary Text)
- XXVI. **The Effect of Milrinone on Cardiac Muscle After Ischemia -Reperfusion of Lower Extremities**
AK E., AK K., Üstündağ Ü. V., KERVANCIOĞLU DEMİRCİ E., ALTURFAN E. I., ÇETİNEL Ş.
5th. International Bau Drug Design Congress, 19 - 21 October 2017, (Summary Text)
- XXVII. **Periodontitis hastalarında tükürükte doku faktörü aktivitesinin tayini**
OKTAY N. Ş., Bal Ö. Ö., Noyan Ü., ALTURFAN E. I.
23rd International Dental congress, 21 - 24 September 2017, (Summary Text)
- XXVIII. **Çocuklarda tükürük laktoferrin,kortizol ve A-amilaz düzeylerinin anksiyete ile ilişkisi**
OKTAY N. Ş., korkmaz b., Demirel S., ALTURFAN E. I., AKYÜZ S. H.
23rd International Dental congress, 21 - 24 September 2017, (Summary Text)
- XXIX. **Morphine exposure in zebrafish embryos focusing on Wnt/β-Catenin signaling and apoptosis**
Ateş P. S., Üstündağ Ü. V., Ünal İ., Bozan Ö., ALTURFAN E. I., SAYIN H. Ü., CENGİZ S., ALTURFAN A. A.
10th European Zebrafish Meeting, 3 - 07 July 2017, (Summary Text)
- XXX. **The development and apoptosis in zebrafish embryos exposed to bisphenol S and bisphenol F**

Ünal İ., Li N., Üstündağ Ü. V., Ateş P. S., YİĞİTBAŞI T., Mueller F., ALTURFAN E. I.

10th European Zebrafish Meeting, 03 July 2017 - 07 July 2018, pp.580, (Summary Text)

XXXI. Development and proliferative cell nuclear antigen expression of morphine exposed zebrafishembryos

Ateş P. S., Üstündağ Ü. V., Ünal İ., Bozan Ö., ALTURFAN E. I., SAYIN H. Ü., CENGİZ S., ALTURFAN A. A.

10th European Zebrafish Meeting, 3 - 07 July 2017, pp.566, (Summary Text)

XXXII. Bisphenol A and bis (2-ethylhexyl) phthalate exposure induces alterations in Wnt/ β Catenin pathway in zebrafish embryos

Üstündağ Ü. V., Ünal İ., Ateş P. S., YİĞİTBAŞI T., EMEKLİ N., ALTURFAN E. I.

10th European Zebrafish Meeting, 3 July - 07 December 2017, pp.563, (Summary Text)

XXXIII. Renal Injury was Reversed by Myrtus Communis Extract Administration in Rats With Bile Duct Ligation

ALEV L., ALEV TUZUNER B., AK E., OKTAY N. Ş., USTUNDAG U. V., IPEKCI H., ALTURFAN E. I., AKBAY T., ÇETİNEL Ş., ŞENER G., et al.

6th International Chemistry Conference, 8 - 10 November 2016, (Summary Text)

XXXIV. Zebra Balığı Barsak Dokusunda Doku Faktörü Ekspresyonunun İncelenmesi

ÜSTÜNDAĞ Ü. V., AK E., ALTURFAN E. I.

9. Ulusal Tromboz Hemostaz ve Anjiyoloji Kongresi & 1. Herkes için Hemostaz Kursu, Turkey, 6 - 08 March 2015, (Summary Text)

XXXV. Cytological investigation of saliva samples of disabled children

PİŞİRİCİLER R., ALTURFAN E. I., OZBAY G., AK E., AKYÜZ S. H., YARAT A.

38th FEBS Congress, 6 - 11 July 2013, (Summary Text)

XXXVI. Effect of Stinging Nettle Seed Oil on Gastric Tissues in Experimental Colitis

ALTURFAN E. I., YARAT A., GENÇ Z., YENİDOĞAN G., AKBAY T., ŞENER G., ŞEHİRLİ A. Ö., PİŞİRİCİLER R., AK E., ALTINTAŞ A.

The 2nd International Symposium on Medicinal Plants, Their Cultivation and Aspects of Uses, 3 - 04 November 2010, (Summary Text)

XXXVII. Effect of black cumin seed oil on gastric tissues in experimental conditions

ALTURFAN E. I., YARAT A., AKBAY T., IŞIK F., YENİDOĞAN G., ŞENER G., ŞEHİRLİ A. Ö., PİŞİRİCİLER R., AK E., ALTINTAŞ A.

The 2nd International Symposium on Medicinal Plants, Their Cultivation and Aspects of Uses, 3 - 04 November 2010, (Summary Text)

XXXVIII. Oral Cerrahi İşlemlerde Uygulanan Lokal Hemostatik ajanların Doku İyileşmesi Üzerine Etkilerinin İncelenmesi

GÖNÜL O., AK E., ALTURFAN E. I., ARBAK S., YARAT A., PİŞİRİCİLER R., GÖKER M. K.

19. Ulusal Elektron Mikroskopi Kongresi, 22 - 25 June 2009, (Summary Text)

XXXIX. Kronik periodontitisli ve sağlıklı kişilerin tükürük örneklerinin bazı biyokimyasal parametreler ve sitolojik incelemeler açısından karşılaştırılmasında saklama süresinin belirlenmesi.

ALTURFAN E. I., YARAT A., AK E., PİŞİRİCİLER R., KURU B., NOYAN Ü.

23.Ulusal Kimya Kongresi, 16 - 20 June 2009, (Summary Text)

Funded Projects

Alturfan E. I., Project Supported by Higher Education Institutions, Farklı Dalga Boylarında Işık Yayan Diyotların Pankreas Gelişimi ve Beta Hücre Fonksiyonları Üzerine Etkileri, 2021 - 2021

Alturfan E. I., Ateş P. S., Project Supported by Higher Education Institutions, Metilparaben Maruziyetinin Zebra Balığı Embriyoları Üzerindeki Biyokimyasal ve Epigenetik Etkilerinin Araştırılması, 2019 - 2021

Alturfan E. I., Project Supported by Higher Education Institutions, Benzo (a)Piren, Dimetil Benzantrazen ve N-Metil-N-Nitrozürenin Karsinojenik Etkilerinin Zebra Balıklarında İncelenmesi, 2018 - 2020

Alturfan E. I., Project Supported by Higher Education Institutions, Doğal Yaşlanma Modelinde Egzersiz ve Kalori

Kısıtlamasının Beyin ve Testiste Etkileri, 2017 - 2018

Alturfan E. I., Project Supported by Higher Education Institutions, Zebra Balıklarında Rotenon ile Oluşturulan Deneysel Parkinson Modelinde Oleandirin ve Mitokondriyonun Olası Etkilerinin İncelenmesi, 2017 - 2018

Alturfan E. I., Newton Programme Project, COLLABORATIVE RESEARCH ON THE EPIGENETIC EFFECTS OF BISPHEENOL A, BISPHEENOL S AND BISPHEENOL F AS POTENTIAL ENDOCRINE DISRUPTING ENVIRONMENTAL POLLUTANTS IN ZEBRAFISH EMBRYOS AS ALTERNATIVE MODELS WITH THE FOCUS ON 3RS-CONCEPT, 2016 - 2018

Alturfan E. I., TUBITAK Project, Improving Research Capacity of Marmara University in Toxicology Using Zebrafish as 3Rs-Confirm Animal Model, 2017 - 2017

Alturfan E. I., Project Supported by Higher Education Institutions, Bisfenol S ve Bisfenol F'ye Maruz Bırakılan Zebra Balığı Embriyolarında Gelişim ve Apoptoz, 2017 - 2017

Alturfan E. I., Project Supported by Higher Education Institutions, Di-2-etilhekzilfitalat ve Bisfenol A'nın Zebra Balığı Embriyosu Gelişimi ve Proliferatif Hücre Çekirdek Antijeni Ekspresyonu Üzerine Etkilerinin Araştırılması, 2016 - 2017

Alturfan E. I., Ak E., Project Supported by Higher Education Institutions, Endokrin çevre bozucularının Zebra Balığı (Danio rerio) üzerindeki olası biyokimyasal, ksenoöstrojenik ve teratojenik etkilerinin incelenmesi, 2014 - 2017

Alturfan E. I., Project Supported by Higher Education Institutions, Amiodaron ile Oluşturulan Toksikitede Beyaz Lahana Brassica oleracea var capitata Ekstraktının Sıçan Kalp Dokusu Üzerine Etkileri, 2015 - 2016

Alturfan E. I., TUBITAK Project, Farklı Şartlar Uygulanan Polietilen Tereftalat PET ve Polikarbonat Kaplardaki Suların Zebra Balığı Danio Rerio Üzerine Etkileri, 2014 - 2016

Alturfan E. I., Project Supported by Higher Education Institutions, Deneysel Over İskemi Reperfüzyon Hasarında Takrolimusun Koruyucu Etkilerinin Araştırılması, 2013 - 2016

Alturfan E. I., Project Supported by Higher Education Institutions, SAG D 130515 0174 Zeolit ve Gümüş Nanopartiküllerinin Zebra Balığı Embriyosu Danio rerio Üzerindeki Karşılaştırmalı Etkisi Yürütücü Doç Dr EBRU IŞIK ALTURFAN, 2015 - 2015

Alturfan E. I., Project Supported by Higher Education Institutions, Polimer Peptid Konjugatları Enjekte Edilmiş Farelerde Serum Oksidan ve Antioksidan Parametrelerin İncelenmesi, 2013 - 2014

Alturfan E. I., Project Supported by Higher Education Institutions, Zihinsel Engelli Çocuklarda Dental ve Tükürük Parametrelerinin İncelenmesi, 2011 - 2012

Alturfan E. I., Project Supported by Higher Education Institutions, Sıçanlarda Yanığa Bağlı Oluşan Doku Hasarına Karşı Angiotensin Dönüştürücü Enzim İnhibitörü Kaptoprilin Böbrek Üzerine Etkisinin İncelenmesi, 2011 - 2012

Alturfan E. I., Project Supported by Higher Education Institutions, Streptozotocin ile Uyarılmış Diyabetik Olan ve Yüksek Kolesterol İçeren Diyetle Beslenen Sıçanlarda Oleik Asit Etkisi, 2008 - 2009

Alturfan E. I., Davarashvili O., NATO Supported Research Project, Applications of lasers to breathing gas mixture analysis, 2000 - 2002

Activities in Scientific Journals

Thrombosis Journal, Committee Member, 2018 - Continues

Gene, Assistant Editor/Section Editor, 2014 - Continues

Memberships and Roles in Scientific Organizations

EuFishBioMed (European Society for Zebrafish Models in Biology and Medicine), Member, 2015 - Continues

Peer Reviews in Scientific Publications

Thrombosis Journal, Journal Indexed in ESCI, September 2019

Thrombosis Journal, Journal Indexed in ESCI, August 2019

Thrombosis Journal, Journal Indexed in ESCI, May 2019

Thrombosis Journal, Journal Indexed in ESCI, April 2019
Thrombosis Journal, Journal Indexed in ESCI, March 2019
Thrombosis Journal, Journal Indexed in ESCI, February 2019
Thrombosis Journal, Journal Indexed in ESCI, January 2019
Thrombosis Journal, Journal Indexed in ESCI, December 2018
Thrombosis Journal, Journal Indexed in ESCI, December 2018
ENVIRONMENTAL POLLUTION, SCI Journal, May 2018
Thrombosis Journal, Journal Indexed in ESCI, April 2018
ENVIRONMENTAL POLLUTION, SCI Journal, March 2018
TURKISH JOURNAL OF BIOCHEMISTRY-TÜRK BIYOKIMYA DERGISI, SCI Journal, February 2018
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, SCI Journal, February 2018
SCANDINAVIAN JOURNAL OF CLINICAL & LABORATORY INVESTIGATION, SCI Journal, February 2018
Journal of Basic and Clinical Physiology and Pharmacology, Other Indexed Journal, December 2017
ARCHIVES OF ORAL BIOLOGY, SCI Journal, September 2017
ARCHIVES OF ORAL BIOLOGY, SCI Journal, May 2017
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, SCI Journal, February 2017
ANNALS OF LABORATORY MEDICINE, SCI Journal, November 2016
CANADIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY, SCI Journal, March 2016
MOLECULAR BIOLOGY REPORTS, SCI Journal, June 2014

Scientific Consultations

Deney Hayvanları Uygulama ve Araştırma Merkezi, Scientific Consultancy, Marmara University, Faculty of Dentistry, Basic Medical Sciences (Faculty of Dentistry), Turkey, 2022 - Continues

Roles in Event Organizations

Alturfan E. I., VII.International Congress of Molecular Medicine, Scientific Congress, İstanbul, Turkey, Eylül 2019
Alturfan E. I., International Meeting on Education and Research in Health Sciences, Scientific Congress, Turkey, Kasım 2017
Alturfan E. I., VI.International Congress of Molecular Medicine, Scientific Congress, Turkey, Mayıs 2017
Alturfan E. I., Ulusal Moleküler Tıp Sempozyumu, Scientific Congress, Turkey, Haziran 2016
Alturfan E. I., V.International Congress of Molecular Medicine, Scientific Congress, Turkey, Mayıs 2015

Metrics

Publication: 273
Citation (WoS): 939
Citation (Scopus): 1116
H-Index (WoS): 17
H-Index (Scopus): 18

Congress and Symposium Activities

XI. Aziz Sançar DETAE Günleri , Invited Speaker, İstanbul, Turkey, 2019
Dermatolojide Deneysel Hayvan Modelleri, Invited Speaker, İstanbul, Turkey, 2017

Invited Talks

Biyomedikal Arařtırmalarda Model Organizma Olarak Zebra Balıkları-M.Ü.Tıp Fakóltesi Fizyoloji ABD Semineri, Seminar, Marmara Üniversitesi-Tıp Fakóltesi Fizyoloji ABD, Turkey, March 2019

Biyomedikal Arařtırmalarda Model Organizma Olarak Zebra Balıkları-M.Ü.Tıp Fakóltesi Temel Tıp Bilimleri Bölümü Seminerleri, Seminar, Marmara Üniversitesi, Turkey, October 2018

Biyomedikal Arařtırmalarda Model Organizma Olarak Zebra Balıkları-M.Ü.Tıp Fakóltesi Farmakoloji ABD Semineri, Seminar, Marmara Üniversitesi, Turkey, May 2018

Awards

Alturfan E. I., Yayın teşvik-Rotenone impairs oxidant/antioxidant balance both in brain and intestines in zebrafish, Tübitak, August 2019

Alturfan E. I., Yayın Teşvik-White LED Light Exposure Inhibits the Development and Xanthophore Pigmentation of Zebrafish Embryo", Tübitak, August 2019

Alturfan E. I., Yayın Teşvik-Assessment of dental caries and salivary nitric oxide levels in children with dyspepsia, Tübitak, August 2019

Alturfan E. I., Yayın Teşvik-Fishing for Parkinson's Disease: A review of the literature, Tübitak, August 2019

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