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Education Information

Postgraduate, Hacettepe University, Eczacılık Fakültesi, Turkey 2016 - 2018

Undergraduate, Hacettepe University, Eczacılık Fakültesi, Turkey 2011 - 2016

Research Areas

Pharmaceutical Toxicology

Academic Titles / Tasks

Research Assistant, Cukurova University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2017 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Heavy Metal and Trace Element Status and Dietary Determinants in Children with Phenylketonuria**
Erdal İ., YILDIZ Y., YALÇIN S. S., YİRÜN A., ÇAKIR D. A., ERKEKOĞLU Ü. P.
Nutrients, vol.16, no.20, 2024 (SCI-Expanded)
- II. **Comparative in silico and in vitro evaluation of possible toxic effects of bisphenol derivatives in HepG2 cells**
Balci-Ozyur A., Yirun A., ÇAKIR D. A., Ozcelik I., Bacanli M., Ozkemahli G., SABUNCUOĞLU S., Basaran N., ERKEKOĞLU Ü. P.
Toxicology Research, vol.13, no.4, 2024 (SCI-Expanded)
- III. **Walnut oil: a promising nutraceutical in reducing oxidative stress and improving cholinergic activity in an in vitro Alzheimer's disease model**
DEMİREL G., Sanajou S., YİRÜN A., ÇAKIR D. A., Özyurt A. B., BERKKAN A., BAYDAR T., ERKEKOĞLU Ü. P.
Toxicology Research, vol.13, no.4, 2024 (SCI-Expanded)
- IV. **Evaluation of Exposure to Bisphenol Analogs through Canned and Ready-to-Eat Meal Consumption and Their Possible Effects on Blood Pressure and Heart Rate**
Ekici M., ÇAKIR BİÇER N., YİRÜN A., DEMİREL G., ERKEKOĞLU Ü. P.
Nutrients, vol.16, no.14, 2024 (SCI-Expanded)

- V. **Plasma bisphenol a and phthalate levels in children with cerebral palsy: a case-control study**
Tezol Ö., YALÇIN S. S., Yirün A., Balci Özyurt A., Okuyaz Ç., Erkekoğlu P.
International Journal of Environmental Health Research, vol.34, no.1, pp.499-513, 2024 (SCI-Expanded)
- VI. **Evaluation of possible cytotoxic, genotoxic and epigenotoxic effects of titanium dioxide nanoparticles and possible protective effect of melatonin**
Balci-Ozyurt A., Yirün A., ÇAKIR D. A., ZEYBEK N. D., Oral D., SABUNCUOĞLU S., Erkekoğlu P.
Toxicology Mechanisms and Methods, vol.34, no.2, pp.109-121, 2024 (SCI-Expanded)
- VII. **The ameliorative potential of metformin against aluminum-induced neurotoxicity: Insights from in vitro studies**
Sanajou S., YİRÜN A., DEMİREL G., ERKEKOĞLU Ü. P., Şahin G., BAYDAR T.
Journal of Applied Toxicology, 2024 (SCI-Expanded)
- VIII. **Evaluation of possible neuroprotective effects of virgin coconut oil on aluminum-induced neurotoxicity in an in vitro Alzheimer's disease model.**
Demirel G., Sanajou S., Yirün A., Çakir D. A., Berkkan A., Baydar T., Erkekoğlu P.
Journal of applied toxicology : JAT, 2023 (SCI-Expanded)
- IX. **Neurological Effects of SARS-CoV-2 and Neurotoxicity of Antiviral Drugs Against COVID-19**
Unlu B., ŞİMŞEK R., Kose S. B. E., Yirun A., ERKEKOĞLU Ü. P.
MINI-REVIEWS IN MEDICINAL CHEMISTRY, vol.22, no.2, pp.213-231, 2022 (SCI-Expanded)
- X. **Neuroendocrine disruption by bisphenol A and/or di(2-ethylhexyl) phthalate after prenatal, early postnatal and lactational exposure**
Yirun A., Ozkemahli G., Balci A., Erkekoglu P., ZEYBEK N. D., YERSAL N., Kocer-Gumusel B.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.28, no.21, pp.26961-26974, 2021 (SCI-Expanded)
- XI. **Comparative evaluation of the effects of bisphenol derivatives on oxidative stress parameters in HepG2 cells**
Ozyurt B., ÖZKEMAHLI K. G., Yirun A., BALCI ÖZYURT A., Bacanlı M., BAŞARAN A. N., Kocer-Gumusel B., ERKEKOĞLU Ü. P.
DRUG AND CHEMICAL TOXICOLOGY, vol.46, no.2, pp.314-322, 1 (SCI-Expanded)

Articles Published in Other Journals

- I. **Alzheimers Disease In Vivo Models: A Traditional Review**
Tütüncü S., TEZEL H., BALCI ÖZYURT A., YİRÜN A., BAYDAR T., ERKEKOĞLU Ü. P.
Literatür Eczacılık Bilimleri Dergisi, vol.12, no.1, pp.8-19, 2023 (Peer-Reviewed Journal)
- II. **Dibutil Ftalatın İnsan Akciğer Hücre Hattına Toksik Etkilerinin Değerlendirilmesi ve Askorbik Asit ve N-Asetilsisteinin Olası Koruyucu Etkileri**
Karaman G., BALCI ÖZYURT A., TAN E., YİRÜN A., YAMAN Ü., GÜMÜŞEL B., ERKEKOĞLU Ü. P.
Sağlık Bilimleri Dergisi, vol.31, pp.369-377, 2022 (Peer-Reviewed Journal)
- III. **The Effects of Gender in Neurological Disorders: A Special Focus on Autism Spectrum Disorders and Thiomersal Toxicity**
ERDEMLİ KÖSE S. B., BALCI ÖZYURT A., YİRÜN A., ERKEKOĞLU Ü. P.
FABAD JOURNAL OF PHARMACEUTICAL SCIENCES, vol.47, no.3, pp.393-418, 2022 (Scopus)
- IV. **Biyosensörler ve Kullanım Alanları: Geleneksel Derleme**
ÖZER İ., TEZEL H., SANAJOU S., YİRÜN A., BAYDAR T., ERKEKOĞLU Ü. P.
Literatür Eczacılık Bilimleri Dergisi, vol.11, no.1, 2022 (Peer-Reviewed Journal)
- V. **COVID-19'a Karşı Kullanılan Dezenfektanlar ve Toksik Etkileri**
YİRÜN A., ERDEMLİ KÖSE S. B., ERKEKOĞLU Ü. P.
Hacettepe University Journal of the Faculty of Pharmacy, vol.41, no.4, pp.243-253, 2021 (Peer-Reviewed Journal)
- VI. **Testicular dysgenesis syndrome and phthalate exposure: A review of literature**
ERKEKOĞLU Ü. P., BALCI ÖZYURT A., YİRÜN A., Çakır D. A.
ARHIV ZA FARMACIJU, vol.71, pp.508-543, 2021 (Scopus)

- VII. **Parkinson's Disease, Genetic Factors and Endoplasmic Reticulum Stress: Systemic Review**
Adalı A., ERDEMLİ KÖSE S. B., YİRÜN A., ERKEKOĞLU Ü. P.
Literatür Eczacılık Bilimleri Dergisi, vol.10, no.3, pp.343-357, 2021 (Peer-Reviewed Journal)
- VIII. **Possible Roles of Endocrine Disrupting Chemicals in Autism Spectrum Disorders: Systematic Review**
Mercan N., ERDEMLİ KÖSE S. B., YİRÜN A., ERKEKOĞLU Ü. P.
Literatür Eczacılık Bilimleri Dergisi, vol.10, no.3, pp.308-321, 2021 (Peer-Reviewed Journal)
- IX. **CRISPR-Cas9 Technology, Safety and Evaluation from an Ethical Perspective**
Erdemli Köse S. B., Sur Ü., YİRÜN A., BALCI A., GÜMÜŞEL B., ERKEKOĞLU Ü. P.
Literatür Eczacılık Bilimleri Dergisi, vol.9, no.1, pp.50-64, 2020 (Peer-Reviewed Journal)
- X. **RNA Damage and its Relationship with Pathological Conditions**
Erdemli Köse S. B., YİRÜN A., BALCI A., ERKEKOĞLU Ü. P.
Literatür Eczacılık Bilimleri Dergisi, vol.9, no.2, pp.184-196, 2020 (Peer-Reviewed Journal)
- XI. **THE POSSIBLE EFFECTS OF BIOLOGICAL AGENTS ON THE DEVELOPMENT OF ALZHEIMER DISEASE**
ADALI A., YİRÜN A., GÜMÜŞEL B., ERKEKOĞLU Ü. P.
ANKARA UNIVERSITESI ECZACILIK FAKULTESI DERGISI, 2020 (Scopus)
- XII. **Evaluation of the Possible Association Between Thiomersal Exposure and Autism Spectrum Disorders**
Erdemli Köse S. B., YİRÜN A., BALCI A., ERKEKOĞLU Ü. P.
Literatür Eczacılık Bilimleri Dergisi, vol.9, no.3, pp.304-318, 2020 (Peer-Reviewed Journal)
- XIII. **Vaccine Hesitancy and Effects of COVID-19**
ERKEKOĞLU Ü. P., Erdemli Köse S. B., BALCI A., YİRÜN A.
Literatür Eczacılık Bilimleri Dergisi, vol.9, no.2, pp.208-220, 2020 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Toxic Effects of Bisphenols: A Special Focus on Bisphenol A and Its Regulations**
ERKEKOĞLU Ü. P., YİRÜN A., BALCI ÖZYURT A.
in: BISPHENOLS, PINAR ERKEKOĞLU, Editor, IntechOpen, pp.69-83, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Bir Üniversite Hastanesindeki Doğumlarda Kord Kanında Bisfenol-A, F, S İle Tiroit Hormon Düzeyleri**
BÜKE M., ÇAĞAN M., YİRÜN A., BALCI ÖZYURT A., ERDEMLİ KÖSE S. B., İYİGÜN İ., ÇELİK M., ÖZYÜNCÜ Ö., ERKEKOĞLU Ü. P., YAVUZ C. I.
6. Uluslararası ve 24. Ulusal Halk Sağlığı Kongresi, Antalya, Turkey, 1 - 04 December 2022
- II. **Evaluation of Possible Toxic Effects of Preservatives and Adjuvants in Vaccines**
ÖZTÜRK M. E., YİRÜN A., ERDEMLİ KÖSE S. B., BALCI ÖZYURT A., ÇAKIR D. A., ORAL D., ERKEKOĞLU Ü. P.
11th International Congress of the Turkish Society of Toxicology, Antalya, Turkey, 02 November 2022
- III. **Modifying Effects of Gender on the Toxicity of Methyl Mercury and Thimerosal**
ERDEMLİ KÖSE S. B., YİRÜN A., BALCI ÖZYURT A., ERKEKOĞLU Ü. P.
11th International Congress of the Turkish Society of Toxicology, Antalya, Turkey, 02 November 2022
- IV. **Investigation of the Protective Effect of Walnut Oil in an in vitro Alzheimer's Disease Model**
DEMİREL G., BAYDAR T., YİRÜN A., BALCI ÖZYURT A., ERKEKOĞLU Ü. P., SANAJOU S., ÇAKIR D. A.
11 th InternationalCongress oftheTurkish Society of Toxicology, 02 November 2022
- V. **POSSIBLE EFFECTS OF HEXAHYDROQUINOLINE DERIVATIVES ON CYTOTOXICITY AND INTRACELLULAR ROS PRODUCTION IN HEPG2 CELL LINE**
DEMİREL G., YİRÜN A., ÇETİN G., BALCI ÖZYURT A., ŞİMŞEK R., BAYDAR T., ERKEKOĞLU Ü. P.
11 th InternationalCongress oftheTurkish Society of Toxicology, 2 - 05 November 2022

- VI. **Apoptotic, Genotoxic and Immunotoxic Evaluation of Bisphenol Derivatives Exposure in HepG2 Cells**
BALCI ÖZYURT A., YİRÜN A., Arca Çakır D., BACANLI M., ÖZKEMAHLI K. G., SABUNCUOĞLU S., BAŞARAN A. N., ERKEKOĞLU Ü. P.
11th International Congress of the Turkish Society of Toxicology, Kemer/Antalya, Turkey, 02 November 2022
- VII. **THE EFFECTS OF NEW SUBSTITUTED HEXAHYDROQUINOLINE DERIVATIVES ON CYTOTOXICITY, INTRACELLULAR OXIDATION AND INFLAMMATION MEDIATORS IN HUMAN HEPATOMA CELL LINE**
ÇETİN G., YİRÜN A., BALCI ÖZYURT A., ERKEKOĞLU Ü. P., ŞİMŞEK R.
3rd International Gazi Pharma Symposium Series, Ankara, Turkey, 8 - 19 September 2021
- VIII. **Male Reproductive System Toxicity of Di(2-Ethylhexyl) Phthalate: A Comparison In Terms of Exposure Time and Route.**
SUR Ü., BALCI A., YİRÜN A., ÖZKEMAHLI K. G., Baysal E., YERSAL N., TAN E., ZEYBEK N. D., ERKEKOĞLU Ü. P., GÜMÜŞEL B.
13th International Symposium on Pharmaceutical Sciences (ISOPS), Turkey, 22 June 2021
- IX. **Gelişmekte Olan Erkek Üreme Sisteminde DEHP Maruziyetinin Oksidatif Stres ve Epigenetik Profil Üzerindeki Etkileri**
YAMAN Ü., YİRÜN A., Baysal E., ZEYBEK N. D., ERKEKOĞLU Ü. P., GÜMÜŞEL B.
ENDOKRİN BOZUCULAR VE ÇOCUK SAĞLIĞI SEMPOZYUMU, Ankara, Turkey, 20 December 2020
- X. **Di(2-ethylhexyl) phthalate Exposure in Preadolescent and Adolescent Male Rats: Metabolomic Analysis and Histopathological Changes**
YAMAN Ü., REÇBER T., ZEYBEK N. D., YİRÜN A., BAYSAL E., TAN E., NEMUTLU E., ERKEKOĞLU Ü. P., GÜMÜŞEL B.
2. International Industrial and Environmental Toxicology Congress, Turkey, 18 - 25 November 2020
- XI. **Çocuklarda Konuşma Gecikmesi ile Plazma Fitalat Düzeyi Arasındaki İlişkinin İncelenmesi**
ZENGİN AKKUŞ P., ERKEKOĞLU Ü. P., kurtipek özdemir g., YAMAN N., Özkemahlı K. G., İLTER BAHADUR E., YİRÜN A., ÖZMERT E. N.
Türk Pediatri Kurumu 2020 Buluşması – Güncelleme Toplantısı, Turkey, 25 - 29 October 2020, pp.4
- XII. **Role of Endocrine Disruptors in Various Pathological Conditions: A Special Focus on Phthalates, Bisphenols and Polychlorinated Biphenyls**
ERKEKOĞLU Ü. P., BALCI A., ÖZKEMAHLI K. G., Sur Ü., AŞCI A., YİRÜN A., GÜMÜŞEL B.
10th International Congress of the Turkish Society of Toxicology, 16 - 19 October 2019
- XIII. **Evaluation of neuroendocrine disrupting effects of prenatal exposure to bisphenol A and/or di(2-ethylhexyl) phthalate**
YİRÜN A., ÖZKEMAHLI K. G., BALCI A., YERSAL N., ZEYBEK N. D., ERKEKOĞLU Ü. P., GÜMÜŞEL B.
10th International Congress of the Turkish Society of Toxicology, Turkey, 16 - 19 October 2019
- XIV. **Helicobacter Pylori Infection Causes Both DNA Single and Double Strand Breaks and Oxidative Stress in Human Adenocarcinoma Cell Line.1. 2019.16-19 October. Antalya , Turkey.**
ORAL D., SUR Ü., ÖZKEMAHLI K. G., YİRÜN A., ZEYBEK N. D., AKYÖN YILMAZ Y., GÜMÜŞEL B., ERKEKOĞLU Ü. P.
10th International Congress of the Turkish Society of Toxicology, Antalya, Turkey, 16 October 2019
- XV. **SYNTHESIS AND ANTI-INFLAMMATORY ACTIVITIES OF 4-ARYLSUBSTITUTED HEXAHYDROQUINOLINE DERIVATIVES**
ŞİMŞEK R., ÇETİN G., ERKEKOĞLU Ü. P., YİRÜN A.
International Multidisciplinary Symposium on Drug Research Development (DRD 2019), 1 - 03 July 2019
- XVI. **Gastrik Adenokarsinoma Hücrelerinde Helicobacter Pylori'nin Neden Olduğu DNA Hasarının ve DNA Onarımının Değerlendirilmesi**
ORAL D., YİRÜN A., BACANLI M., BAŞARAN A. N., AKYÖN YILMAZ Y., GÜMÜŞEL B., ERKEKOĞLU Ü. P.
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), Ankara, Turkey, 28 - 29 June 2019
- XVII. **Evaluation of DNA damage and DNA repair caused by Helicobacter Pylori in Gastric Adeno Carcinoma Cells**
ORAL D., YİRÜN A., BACANLI M., BAŞARAN A. N., GÜMÜŞEL B., ERKEKOĞLU Ü. P.
2nd International Euroasian Conference on Biological and Chemical Sciences (Euroasian Biochem 2019), Ankara, Turkey, 28 June 2019

- XVIII. **The Metabolomic Profiles of High and Low-Dose Phthalate Exposed Rats.**
YAMAN Ü., YİRÜN A., REÇBER T., NEMUTLU E., genc a. a., TAN E., ERKEKOĞLU Ü. P., GÜMÜŞEL B.
The Society of Toxicology 58th Annual Meeting and ToxExpo, 10 - 14 March 2019
- XIX. **Prenatal Dönemde ve Laktasyonda Bisfenol A ve/veya Di-(2-Etil Hekzil) Ftalat Maruziyetinin Nöroendokrin Bozucu Etkileri.**
YİRÜN A., ÖZKEMAHLI K. G., BALCI A., YERSAL N., ZEYBEK N. D., ERKEKOĞLU Ü. P., GÜMÜŞEL B.
54. Ulusal Nöroloji Kongresi. Antalya. Aralık 2018., Turkey, 1 - 05 December 2018
- XX. **Effects of Prenatal Endocrine Disrupting Chemical Exposure on Oxidative Stress in Rat Brain.**
YİRÜN A., ÖZKEMAHLI K. G., ERKEKOĞLU Ü. P., GÜMÜŞEL B.
4th International Congress on Applied Biological Sciences (ICAPS), 03 May 2018

Supported Projects

Demirel G., Yirün A., Emergency R&D Project of Group A, 1-Metil 4-Fenilpridinyum (MPP+) ve/ veya Mangan ile İndüklenen in vitro Parkinson Modelinde CBD Yağının Olası Nöroprotektif ve Terapötik Özelliklerinin Biyokimyasal ve Moleküler Yöntemlerle İncelenmesi, 2024 - 2025

Metrics

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