

# Prof. Sibel ÖZDEN

## Personal Information

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## International Researcher IDs

ORCID: 0000-0002-1662-2504

Publons / Web Of Science ResearcherID: F-1562-2018

Yoksis Researcher ID: 101677

## Education Information

2006 - 2008	Post Doctorate, Istanbul University, Würzburg Üniversitesi, Toksikoloji Enstitüsü, Turkey
2001 - 2006	Doctorate, Istanbul University, Faculty Of Pharmacy , Farmasötik Toksikoloji Ad, Turkey
1998 - 2001	Postgraduate, Istanbul University, Faculty Of Pharmacy , Farmasötik Toksikoloji Ad, Turkey
1994 - 1998	Undergraduate, Istanbul University, Faculty Of Pharmacy , Turkey

## Foreign Languages

English, B2 Upper Intermediate German, A1 Beginner

## Certificates, Courses and Trainings

2015	Toxicogenomics Meets Regulatory Decision-Making, Education Management and Planning, Society of Toxicology 54th Annual Meeting and ToxExpo 2015
2015	New Horizons in Chemical Carcinogenesis, Education Management and Planning, Society of Toxicology 54th Annual Meeting and ToxExpo 2015
2015	The Future of Developmental and Reproductive Toxicology, Education Management and Planning, Society of Toxicology 54th Annual Meeting and ToxExpo 2015
2014	Eğiticiler Buluşması. Modül 1: Eğitimde Etkileşim ve Katılımın Güçlendirilmesi, Education Management and Planning, İstanbul Üniversitesi
2014	Predictive Cell Culture Systems, Health&Medicine, SafeScimet
2013	Kozmetik Ürünlerin Güvenlilik Değerlendirme Kursu, Education Management and Planning, Türk Toksikoloji Derneği
2013	Toxic Effects of Metals, Education Management and Planning, Society of Toxicology 52th Annual Meeting and ToxExpo 2013
2013	T4: Tools and Technologies in Translational Toxicology, Education Management and Planning, Society of Toxicology 52th Annual Meeting and ToxExpo 2013
2012	Chemicals regulation in EU, REACH and CLP-Legislation and Consequences, Education Management and Planning, 8. Uluslararası Katılımlı Türk Toksikoloji Derneği Kongresi
2012	Developments in Risk Assessment, Education Management and Planning, 8. Uluslararası Katılımlı Türk Toksikoloji Derneği Kongresi
2012	İmmünohistokimya ve Western Blot Eğitimi: Nöroimmünoloji Uygulamaları, Education Management and Planning, İ. Ü. Deneysel Tıp Araştırma Enstitüsü

2012	Alternative In Vitro Toxicology Testing for the 21st Century, Education Management and Planning, Society of Toxicology 51th Annual Meeting and ToxExpo 2012
2012	MicroRNAs in Biology and Toxicology, Education Management and Planning, Society of Toxicology 51th Annual Meeting and ToxExpo 2012
2012	Bilimsel Çalışmalarda İstatistiğin Rolü: Bilinmesi Gereken Yöntemler ve Uygulama Alanları Kursu, Education Management and Planning, Türk Biyokimya Derneği
2012	Applications of Biomarkers in the Assessment of Health and Disease, Education Management and Planning, Society of Toxicology 51th Annual Meeting and ToxExpo 2012
2011	11. Hybrid Course in Integration of Cytogenetics, Microarrays and Massive Sequencing, Education Management and Planning, İ. Ü. Deneysel Tıp Araştırma Enstitüsü
2011	1st Inter University Certificate Program of Predictive Personalized Medicine, Education Management and Planning, Yeditepe Üniversitesi
2010	Klinik Toksikoloji Kursu, Education Management and Planning, Klinik Toksikoloji Derneği
2010	Eurotox Advanced Toxicology Course, Education Management and Planning, Eurotox
2010	Genetik Çalışmalarda Biyoinformatik Uygulamalar, Education Management and Planning, TÜBİTAK-MAM
2009	Temel Biyoinformatik Yöntemleri Uygulamalı Eğitimi, Education Management and Planning, TÜBİTAK-MAM
2008	Structural Variations in Genome, Gene Expression, Single Cell Analysis, Education Management and Planning, FEBS Advanced Course
2007	Eurotox Basic Toxicology Course, Education Management and Planning, Eurotox
2007	Course in Statistics, Education Management and Planning, Toksikoloji ve Farmakoloji Enstitüsü, Würzburg Üniversitesi
2006	International Free Radical Summer School 2006, Education Management and Planning, SFRR
2006	Makale Yazma Uygulaması Kursu, Education Management and Planning, İ. Ü. Sağlık Bilimleri Enstitüsü
2005	Deneysel Hayvanları Uygulama ve Etik Kursu, Education Management and Planning, İ.Ü. Cerrahpaşa Tıp Fakültesi
2000	Uygulamalı HPLC'ye Giriş ve Ayırım Teknikleri Eğitimi, Education Management and Planning, Dolunay Eğitim Merkezi

## Dissertations

2006	Bazı Pestisidlerin Oksidatif Stres Oluşturma Potansiyellerinin ve Antioksidan Sistemler Üzerine Etkilerinin Sıçanlarda Araştırılması, İstanbul University, Health Sciences Institute, Farmasötik Toksikoloji Ad, Doctorate
2001	Herbisid ve İnsektisid Etkili Bazı Önemli Tarım İlaçlarının Yüzey Sularında Yüksek Basıncılı Sıvı Kromatografisi ile Analizleri, İstanbul University, Health Sciences Institute, Farmasötik Toksikoloji Ad, Postgraduate

## Research Areas

Medicine, Health Sciences, Internal Medicine Sciences, Pharmacology and Clinical Pharmacology, Medical Pharmacology and Toxicology, Pharmacology and Therapeutics, Professional Sciences, Pharmaceutical Toxicology

## Academic Titles / Tasks

2020 - Continues	Professor, İstanbul University, Faculty of Pharmacy , Department of Professional Pharmaceutical Sciences
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2012 - 2020	Associate Professor, Istanbul University, Faculty of Pharmacy , Department of Professional Pharmaceutical Sciences
2009 - 2012	Assistant Professor, Istanbul University, Faculty of Pharmacy , Department of Professional Pharmaceutical Sciences
2006 - 2009	Research Assistant PhD, Istanbul University, Faculty of Pharmacy , Department of Professional Pharmaceutical Sciences
1998 - 2006	Research Assistant, Istanbul University, Faculty of Pharmacy , Department of Professional Pharmaceutical Sciences

## Academic and Administrative Experience

2016 - Continues	Ethics Committee Member, İstanbul Üniversitesi, Kozmetik Klinik Araştırmalar Etik Kurulu
2015 - 2020	Faculty Management Board Member, İstanbul University, Faculty Of Pharmacy , Department Of Professional Pharmaceutical Sciences

## Advising Theses

2024	Özden S., Doctorate, E.TUĞRUL(Student), Metastatik Kolorektal Kanser Hastalarında Biyobelirteçler olarak Epigenetik Değişikliklerin Araştırılması
2023	Özden S., Doctorate, T.MEHTİYEV(Student), Glifosat ve metaboliti AMPA'nın çeşitli hücre kültüründe oksidatif hasar, apoptoz ve epigenetik mekanizmalar üzerine etkilerinin araştırılması
2021	Özden S., Doctorate, M.Şenyıldız(Student), Seçici Serotonin Geri Alım İnhibitörü İlaçların Endoplazmik Retikulum Stresi Üzerine Etkilerinin Hücre Kültüründe İncelenmesi
2020	Özden S., Doctorate, Ş.Ömerustaoğlu(Student), Fumonisin B1'in Kanser ile İlişkili Yolaklarda Rol Oynayan Genler Üzerine Etkilerinin Hücre Kültürlerinde Araştırılması
2019	ÖZDEN S., Postgraduate, İ.Arıman(Student), Zearalenonun DNA Metilasyonu Üzerine Etkilerinin İnsan Böbrek Hücrelerinde İncelenmesi
2018	ÖZDEN S., Doctorate, E.Fatma(Student), Zearalenon ve metabolitlerinin enerji metabolizmasında rol oynayan genler üzerine etkilerinde epigenetik değişikliklerin in vitro incelenmesi
2017	ÖZDEN S., Postgraduate, T.Mehtiyev(Student), Glifosatın Çeşitli Hücre Kültürlerinde Toksik Etkilerinin Araştırılması
2016	ÖZDEN S., Postgraduate, M.Şenyıldız(Student), Bisfenol A'nın Farklı Hücre Kültürlerinde DNA Metilasyonu ve Histon Modifikasyonları Üzerine Etkilerinin Araştırılması
2016	ÖZDEN S., Postgraduate, A.Kılınç(Student), Neonikotinoid Grubu İnsektisidlerin Sitotoksik Etkilerinin Araştırılması
2016	ÖZDEN S., Postgraduate, P.Tuzcuoğlu(Student), Bisfenol A'nın Toksisitesinde Epigenetik Mekanizmaların Rolü
2015	ÖZDEN S., Postgraduate, A.Tosun(Student), Çeşitli Gıdalarda Okratoksin A Varlığının Araştırılması
2014	ÖZDEN S., Postgraduate, D.Sancak(Student), Fumonisin B1 Toksisitesinde Histon Modifikasyonlarının Rolü
2012	ÖZDEN S., Postgraduate, G.(Karakuş)(Student), Fumonisin B1'in Toksisitesinde Epigenetik Değişikliklerin Rolünün Araştırılması.

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

1. The effects of fumonisin B1 on intercellular communications and miRNA modulations: Non-genotoxic

**carcinogenesis mechanisms in human kidney cells**

Karaman E. F., Abudayyak M. F., Guler Z. R., Bektas S., Kaptan E., Ozden S.  
Toxicology, vol.509, 2024 (SCI-Expanded)

- II. **Role of Silicon in Mediating Salt Stress Responses in Arabidopsis Methylation Mutants**  
Yeşildirek Y. V., Arıkan B., Çelik H., Premkumar A., Özden S., Turgut Kara N.  
Journal of Soil Science and Plant Nutrition, vol.24, no.3, pp.4471-4482, 2024 (SCI-Expanded)
- III. **Effects of fumonisin B1 on gene-specific DNA methylation related to cancer pathways of p53 signalling and PI3K/Akt signalling in human kidney cells**  
Ömerustaoğlu Bayoğlu Ş., Karaman E. F., Özden S.  
WORLD MYCOTOXIN JOURNAL, vol.10008, pp.1-13, 2024 (SCI-Expanded)
- IV. **Potential impacts of bisphenols on prostate cells: An overview of cytotoxicity, proliferation, oxidative stress, apoptosis, and ER-stress response activation.**  
Caglayan M., Ozden S.  
Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association, pp.114416, 2023 (SCI-Expanded)
- V. **The role of chromatin-modifying enzymes and histone modifications in the modulation of p16 gene in fumonisin B1-induced toxicity in human kidney cells**  
Karaman E. F., Abudayyak M. F., Özden S.  
Mycotoxin Research, vol.39, no.3, pp.271-283, 2023 (SCI-Expanded)
- VI. **Assessment of Global DNA Methylation in SH-SY5Y Cells Exposed to the Neonicotinoid Insecticides Imidacloprid and Thiamethoxam**  
Guler Z. R., Yilmaz U., Uzunosmanoglu K., Ozturk B., Abudayyak M. F., Ozden S.  
International Journal of Toxicology, vol.42, no.4, pp.345-351, 2023 (SCI-Expanded)
- VII. **Effects of Perfluorooctanoic Acid on Endoplasmic Reticulum Stress and Lipid Metabolism-related Genes in Human Pancreatic Cells.**  
Abudayyak M. F., Karaman E. F., Güler Z. R., Ozden S.  
Environmental toxicology and pharmacology, pp.104083, 2023 (SCI-Expanded)
- VIII. **Alterations in cell viability, reactive oxygen species production, and modulation of gene expression involved in mitogen-activated protein kinase/extracellular regulating kinase signaling pathway by glyphosate and its commercial formulation in hepatocellular carcinoma cells**  
Mehtiyev T., Karaman E. F., Özden S.  
Toxicology and Industrial Health, vol.39, no.2, pp.81-93, 2023 (SCI-Expanded)
- IX. **Mechanisms underlying citrinin-induced toxicity via oxidative stress and apoptosis-mediated by mitochondrial-dependent pathway in SH-SY5Y cells**  
Abudayyak M. F., Karaman E. F., Ozden S.  
DRUG AND CHEMICAL TOXICOLOGY, vol.46, no.5, pp.944-954, 2023 (SCI-Expanded)
- X. **Synthesis of Novel Urea and Sulfonamide Derivatives of Isatin Schiff Bases as Potential Anti-cancer Agents**  
Demirel U. U., ÖLGEN S., Karaman E. F., Tanol M., Ozden S., GÖKER A. H.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.19, no.9, pp.847-857, 2022 (SCI-Expanded)
- XI. **Diosgenin production in Trigonella foenum-graecum (Fenugreek) cell cultures in response to yeast extract elicitation**  
İlgar B. A., ÖZDEN S., ÇEPNİ YÜZBAŞIOĞLU F. E., TURGUT KARA N.  
Plant Cell, Tissue and Organ Culture, vol.146, pp.21-27, 2021 (SCI-Expanded)
- XII. **Synthesis, in vitro cytotoxic and apoptotic effects, and molecular docking study of novel adamantane derivatives**  
Turk-Erbul B., Karaman E. F., Duran G. N., Ozbil M., Ozden S., Goktas F.  
ARCHIV DER PHARMAZIE, vol.354, no.5, 2021 (SCI-Expanded)
- XIII. **Evaluation of the epigenetic alterations and gene expression levels of HepG2 cells exposed to zearalenone and alpha-zearalenol**  
Karaman E. F., Zeybel M., Ozden S.

- TOXICOLOGY LETTERS, vol.326, pp.52-60, 2020 (SCI-Expanded)
- XIV. **Global DNA Hypomethylation and Rassf1a and c-myc Promoter Hypermethylation in Rat Kidney Cells after Bisphenol A Exposure.**  
Tuzcuoglu P., ÖZDEN S.  
Turkish Journal of Pharmaceutical Sciences, vol.1, pp.0-10, 2020 (SCI-Expanded)
- XV. **Responses of oxidative stress and inflammatory cytokines after zearalenone exposure in human kidney cells**  
Karaman E. F., Ariman I., Ozden S.  
WORLD MYCOTOXIN JOURNAL, vol.13, no.3, pp.411-421, 2020 (SCI-Expanded)
- XVI. **Global and region-specific post-transcriptional and post-translational modifications of bisphenol A in human prostate cancer cells**  
Karaman E. F., Caglayan M., Sancar-Bas S., Ozal-Coskun C., Arda-Pirincci P., Ozden S.  
ENVIRONMENTAL POLLUTION, vol.255, 2019 (SCI-Expanded)
- XVII. **Alterations in global DNA methylation and metabolism-related genes caused by zearalenone in MCF7 and MCF10F cells**  
Karaman E. F., Ozden S.  
MYCOTOXIN RESEARCH, vol.35, no.3, pp.309-320, 2019 (SCI-Expanded)
- XVIII. **Investigation of the genotoxic and cytotoxic effects of widely used neonicotinoid insecticides in HepG2 and SH-SY5Y cells**  
Senyildiz M., Kilinc A., Ozden S.  
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.34, no.6, pp.375-383, 2018 (SCI-Expanded)
- XIX. **DNA methylation related gene expression and morphophysiological response to abiotic stresses in Arabidopsis thaliana**  
Arikan B., Ozden S., Turgut-Kara N.  
ENVIRONMENTAL AND EXPERIMENTAL BOTANY, vol.149, pp.17-26, 2018 (SCI-Expanded)
- XX. **OCCURENCE OF OCHRATOXIN A IN BOTANICAL PRODUCTS COMMERCIALIZED IN TURKEY**  
Ozden H., Ozden S.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, pp.3367-3374, 2018 (SCI-Expanded)
- XXI. **Effects of BPA on global DNA methylation and global histone 3 lysine modifications in SH-SY5Y cells: An epigenetic mechanism linking the regulation of chromatin modifying genes**  
Senyildiz M., Karaman E. F., Bas S. S., Pirincci P. A., Ozden S.  
TOXICOLOGY IN VITRO, vol.44, pp.313-321, 2017 (SCI-Expanded)
- XXII. **Ochratoxin A in red pepper flakes commercialised in Turkey**  
Tosun A., Ozden S.  
FOOD ADDITIVES & CONTAMINANTS PART B-SURVEILLANCE, vol.9, no.1, pp.46-50, 2016 (SCI-Expanded)
- XXIII. **Assessment of global and gene-specific DNA methylation in rat liver and kidney in response to non-genotoxic carcinogen exposure**  
Ozden S., Kara N. T., SEZERMAN O. U., Durasi I. M., Chen T., Demirel G., Alpertunga B., Chipman J. K., MALLY A.  
TOXICOLOGY AND APPLIED PHARMACOLOGY, vol.289, no.2, pp.203-212, 2015 (SCI-Expanded)
- XXIV. **Global histone modifications in Fumonisin B1 exposure in rat kidney epithelial cells**  
Sancak D., Ozden S.  
TOXICOLOGY IN VITRO, vol.29, no.7, pp.1809-1815, 2015 (SCI-Expanded)
- XXV. **Role of fumonisin B1 on DNA methylation changes in rat kidney and liver cells**  
Demirel G., Alpertunga B., Ozden S.  
PHARMACEUTICAL BIOLOGY, vol.53, no.9, pp.1302-1310, 2015 (SCI-Expanded)
- XXVI. **Ochratoxin A in dried grapes and grape-derived products in Turkey**  
Akdeniz A. S., Ozden S., Alpertunga B.  
FOOD ADDITIVES & CONTAMINANTS PART B-SURVEILLANCE, vol.6, no.4, pp.265-269, 2013 (SCI-Expanded)
- XXVII. **Acute effects of methiocarb on oxidative damage and the protective effects of vitamin E and taurine in the liver and kidney of Wistar rats**  
Ozden S., Catalgol B., Gezginici-Oktayoglu S., Karatug A., Bolkent S., Alpertunga B.

- TOXICOLOGY AND INDUSTRIAL HEALTH, vol.29, no.1, pp.60-71, 2013 (SCI-Expanded)
- XXVIII. **Low Doses of the Carcinogen Furan Alter Cell Cycle and Apoptosis Gene Expression in Rat Liver Independent of DNA Methylation**  
Chen T., Mally A., Ozden S., Chipman J. K.  
ENVIRONMENTAL HEALTH PERSPECTIVES, vol.118, no.11, pp.1597-1602, 2010 (SCI-Expanded)
- XXIX. **Effects of methiocarb on lipid peroxidation and glutathione level in rat tissues**  
Ozden S., Alpertunga B.  
DRUG AND CHEMICAL TOXICOLOGY, vol.33, no.1, pp.50-54, 2010 (SCI-Expanded)
- XXX. **Functional and Proliferative Effects of Repeated Low-Dose Oral Administration of Furan in Rat Liver**  
Mally A., Graff C., Schmal O., Moro S., Hamberger C., Schauer U. M., Brück J., Özden S., Sieber M., Steger U., et al.  
MOLECULAR NUTRITION & FOOD RESEARCH, vol.54, no.11, pp.1556-1567, 2010 (SCI-Expanded)
- XXXI. **Methiocarb-induced oxidative damage following subacute exposure and the protective effects of vitamin E and taurine in rats**  
Ozden S., Catalgol B., Gezginci-Oktayoglu S., Arda-Pirincci P., Bolkent S., Alpertunga B.  
FOOD AND CHEMICAL TOXICOLOGY, vol.47, no.7, pp.1676-1684, 2009 (SCI-Expanded)
- XXXII. **Absence of 2'-deoxyguanosine-carbon 8-bound ochratoxin A adduct in rat kidney DNA monitored by isotope dilution LC-MS/MS**  
Delatour T., Mally A., Richoz J., Özden S., Dekant W., Ihmels H., Otto D., Gasparutto D., Marin-Kuan M., Schilter B., et al.  
MOLECULAR NUTRITION & FOOD RESEARCH, vol.52, pp.472-482, 2008 (SCI-Expanded)
- XXXIII. **Effects of trichlorfon on malondialdehyde and antioxidant system in human erythrocytes**  
Catalgol B. K., Ozden S., Alpertunga B.  
TOXICOLOGY IN VITRO, vol.21, no.8, pp.1538-1544, 2007 (SCI-Expanded)
- XXXIV. **Oxidative stress and histological changes in the in the kidney following oral methiocarb administrations in rats: Role of vitamin E and taurine**  
Ozden S., Gezginci S., Catalgol B. K., Bolkent S., Alpertunga B.  
TOXICOLOGY LETTERS, vol.172, 2007 (SCI-Expanded)
- XXXV. **Oxidative stress in rats induced by methiocarb and ameliorating effects of vitamin E and taurin**  
Alpertunga B., Ozden S., Catalgol B.  
TOXICOLOGY LETTERS, vol.172, 2007 (SCI-Expanded)
- XXXVI. **Ochratoxin A: 13-week oral toxicity and cell proliferation in male F344/N rats**  
Rached E., Hard G. C., Blumbach K., Weber ., Draheim ., Lutz W. K., Özden S., Steger ., Dekant W., Mally A.  
TOXICOLOGICAL SCIENCES, vol.97, no.2, pp.288-298, 2007 (SCI-Expanded)
- XXXVII. **Determination of Commonly Used Herbicides in Surface Water Using Solid-Phase Extraction and Dual-Column HPLC-DAD.**  
ÖZHAN G., Özden S., ALPERTUNGA B.  
J. Environ. Sci. Health B ., vol.40, pp.827-840, 2005 (SCI-Expanded)
- XXXVIII. **Simultaneous determination of various pesticides in fruit juices by HPLC-DAD**  
Topuz S., Ozhan G., Alpertunga B.  
FOOD CONTROL, vol.16, no.1, pp.87-92, 2005 (SCI-Expanded)
- XXXIX. **Determination of triazines and N-methylcarbamate pesticides in water by high-performance liquid chromatography-diode array detection**  
Topuz S., Alpertunga B.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.83, no.9, pp.787-795, 2003 (SCI-Expanded)
- XL. **A simple method for the determination of carbaryl and 1-naphthol in fruit juices by high-performance liquid chromatography-diode-array detection**  
Ozhan G., Topuz S., Alpertunga B.  
JOURNAL OF FOOD PROTECTION, vol.66, no.8, pp.1510-1513, 2003 (SCI-Expanded)
- XLI. **A Simple Method for The Determination of Carbaryl and 1-Naphthol in Fruit Juices by HPLC-DAD**  
ÖZHAN G., TOPUZ S., ALPERTUNGA B.

JOURNAL OF FOOD PROTECTION, vol.66, no.8, pp.1510-1513, 2003 (SCI-Expanded)

- XLII. **Determination of Cyclonite (RDX) in Human Serum by High Performance Liquid Chromatography.**  
ÖZHAN G., Topuz S., ALPERTUNGA B.  
Il Farmaco, vol.58, pp.445-448, 2003 (SCI-Expanded)
- XLIII. **Determination of Cyclonite (RDX) in Human Serum by High Performance Liquid Chromatography**  
ÖZHAN G., TOPUZ S., ALPERTUNGA B.  
Il Farmaco, vol.58, pp.445-448, 2003 (SCI-Expanded)

## Articles Published in Other Journals

- I. **THE EFFECTS OF FUSARIUM TOXINS ON EPIGENETIC MECHANISMS: FUMONISIN B1 AND ZEARALENONE**  
PERÇİN E., KARAMAN E. F., ÖZDEN S.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.48, no.3, pp.1189-1200, 2024 (Scopus)
- II. **Biomarkers in Breast Cancer Epigenetics: Effect of Environmental Factors Meme Kanseri Epigenetiğinde Biyobelirteçler: Çevresel Faktörlerin Etkisi**  
Karataş E. T., Karataş M. O., ÖZDEN S.  
Hacettepe University Journal of the Faculty of Pharmacy, vol.44, no.2, pp.165-181, 2024 (Scopus)
- III. **The effects of prochloraz on the levels of nuclear receptor genes expressions and global DNA methylation in human prostate carcinoma cells**  
Karaman E. F., Dogan E., Alga D., Ozden S.  
ISTANBUL JOURNAL OF PHARMACY, vol.51, no.2, pp.191-197, 2021 (ESCI)
- IV. **Investigation the effects of synthetic cannabinoid-akb48 on dna methylation via the regulation of cannabinoid receptor gene specific methylation in vitro**  
Karaman E. F., Yiğiter Ş., ÖZDEN S.  
Journal of Research in Pharmacy, vol.25, no.5, pp.626-633, 2021 (ESCI)
- V. **Liquid chromatographic determination of citrinin residues in various meat products: A pioneer survey in Turkey**  
SARI F. M., ÖZTAŞ E., ÖZDEN S., ÖZHAN G.  
ISTANBUL JOURNAL OF PHARMACY, vol.50, no.3, pp.195-201, 2020 (ESCI)
- VI. **The subchronic effects of acetamipride on the global DNA methylation levels in Sprague-Dawley rat brain and liver**  
Arıcan Y. E., Karaman E. F., Ozden S.  
ISTANBUL JOURNAL OF PHARMACY, vol.49, no.3, pp.167-172, 2019 (ESCI)
- VII. **Kozmetik Ürünlerin Toksisitesi: Endokrin Bozucu Kimyasallar.**  
Karaman E. F., ÖZDEN S.  
LİTERATÜR ECZACILIK BİLİMLERİ DERGİSİ, vol.8, no.2, pp.138-146, 2019 (Peer-Reviewed Journal)
- VIII. **Alteration on global and gene-specific DNA methylation and global histone modifications in HepG2 cells in response to BPA**  
Şenyıldız M., Karaman E. F., Bas S., Pirincci P. A., Ozden S.  
ISTANBUL JOURNAL OF PHARMACY, vol.46, no.2, pp.97-114, 2016 (ESCI)
- IX. **Alteration on global and gene-specific DNA methylation and global histone modifications in HepG2 cells in response to BPA**  
Şenyıldız M., Karaman E., SANCAR BAŞ S., ARDA PİRİNÇÇİ B. P., ÖZDEN S.  
Journal of Faculty of Pharmacy of Istanbul University, vol.46, no.2, pp.97-114, 2016 (Peer-Reviewed Journal)
- X. **Alteration in Global DNA Methylation after Bisphenol A Exposure in MCF-7 Cells.**  
Şenyıldız M., ÖZDEN S.  
J. Fac. Pharm. Istanbul, vol.50, pp.1-10, 2015 (Peer-Reviewed Journal)
- XI. **Effects of taurine and vitamin E on lipid peroxidation, antioxidant system and histological changes in Wistar rat liver and kidney after short-term exposure of methiocarb.**

Özden S., BOLKENT Ş., GEZGİNCİ OKTAYOĞLU S., Arda Pirincci P., KARATUĞ A., ALPERTUNGA B.

Journal of Faculty of Pharmacy of Istanbul University, vol.42, no.2, pp.83-102, 2012 (Peer-Reviewed Journal)

XII. **Determination of Cyclonite (RDX) in Human Plasma by High-Performance Liquid Chromatography**

ÖZHAN G., Topuz S., ALPERTUNGA B.

Il Farmaco, vol.58, pp.445-448, 2003 (Peer-Reviewed Journal)

## **Books & Book Chapters**

I. **EczÇEP-Eczacılık Fakülteleri Müfredat Detay Çalışması**

Akalın E., Akev N., Erginer Y., Güzeldemirci N., Toker S., Kolak U., Özhan G., Güngör S., Gürer Ç., Özden S., et al.  
Kapitta Yayıncılık, Ankara, 2017

II. **EczÇEP- Eczacılık Fakülteleri Müfredat Detay Çalışması**

Akalın Uruşak E., Akev N., Erginer Y., Güzeldemirci N., Toker S., Kolak U., Özhan G., Güngör S., Gürer Ç., Özden S., et al.

Kapitta Yayıncılık, Ankara, 2017

## **Refereed Congress / Symposium Publications in Proceedings**

I. **Effects of Zearalenone on the endoplasmic reticulum stress and its relation to the epigenetic mechanisms in HEK-293 cells**

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II. **The Effects of Glyphosate and its Metabolite Aminomethylphosphonic Acid on Apoptosis and Epigenetic Mechanisms in HepG2 Cell Cultures**

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III. **Investigation of the effects of zearalenone on lipotoxicity in human kidney cells**

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- LXXVIII. **Analysing of Herbicides in Surface and Drinking Waters Using SPE and LC with DAD.**  
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- LXXXIII. **Determination of Various Pesticides in Water Using Different Solid-Phase Extraction Procedures by HPLC-DAD**  
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## Supported Projects

2023 - Continues	Fusarium Toksinlerinden Fusarik Asitin Toksik Etkilerinde Rol Oynayan Mekanizmalarının Hücre Kültüründe Araştırılması, Project Supported by Higher Education Institutions
2023 - Continues	Fusarium toksinlerinden moniliforminin toksik etkilerinde rol oynayan mekanizmalarının hücre kültüründe araştırılması, Project Supported by Higher Education Institutions
2023 - Continues	Fusarium Toksinlerinden Enniatinin Toksik Etkilerinde Rol Oynayan Mekanizmalarının Hücre Kültüründe Araştırılması, Project Supported by Higher Education Institutions
2022 - Continues	Zearalenonun lipotoksisite üzerine etkilerinin insan böbrek hücrelerinde araştırılması, Project Supported by Higher Education Institutions
2021 - 2024	Trikloroetilenin Karsinojenik Etkilerinde Epigenetik Mekanizmaların Rolü Kromatin ve Histon Modifikasyonları Yönünden İnsan Böbrek Hücrelerinde Araştırılması, Project Supported by Higher Education Institutions
2021 - 2024	Glifosat ve metaboliti AMPAnın çeşitli hücre kültürlerinde oksidatif hasar apoptoz ve epigenetik mekanizmalar üzerine etkilerinin araştırılması, Project Supported by Higher Education Institutions
2021 - 2024	Metastatik Kolorektal Kanser Hastalarında Biyobelirteçler olarak Epigenetik Değişikliklerin Araştırılması, Project Supported by Higher Education Institutions

2020 - 2023	Zearalenonun apoptoz endoplazmik retikulum stresi ve epigenetik mekanizmalar üzerine etkilerinin insan böbrek hücrelerinde incelenmesi, Project Supported by Higher Education Institutions
2019 - 2023	Nongenotoksik Karsinojenezde Hücreler Arası İletişim ve miRNAların Regülasyonunun Araştırılması, Project Supported by Higher Education Institutions
2019 - 2021	Zoledronik asit indüklü renal toksisite ve altında yatan mekanizmaların in vitro değerlendirmesi, Project Supported by Higher Education Institutions
2019 - 2021	Bitki DNA Metilasyonu Üzerine Silisyumun Etkilerinin İncelenmesi, Project Supported by Higher Education Institutions
2018 - 2021	Deneysel Ülseratif Kolitte Bazı Histon Deasetilaz İnhibitörlerinin Etkisi, TUBITAK Project
2018 - 2021	Fumonisin B1'in kanser ile ilişkili yollarda rol oynayan genler üzerine etkilerinin hücre kültürlerinde araştırılması, Project Supported by Higher Education Institutions
2018 - 2021	Bisfenol A ve Analoglarının Endoplazmik Retikulum Stresi Üzerine Etkilerinin Hücre Kültüründe İncelenmesi, Project Supported by Higher Education Institutions
2018 - 2021	Endokrin Sistem Üzerine Etkili Kimyasalların Toksikiteilerinin Araştırılması, Project Supported by Higher Education Institutions
2016 - 2020	Sentetik Kannabinoid Kullanımının Karaciğer ve Beyin Dokularında Global DNA Metilasyonu Üzerine Etkisi, Project Supported by Higher Education Institutions
2018 - 2019	DNA Methylation related gene expression and morphophysiological response to abiotic stresses in Arabidopsis thaliana, Project Supported by Higher Education Institutions
2017 - 2019	Zearalenonun Toksik Etkilerinin İnsan Böbrek Hücrelerinde İncelenmesi, Project Supported by Higher Education Institutions
2017 - 2019	Fumonisin B1'in insan böbrek hücrelerinde kanserle ilişkili genlerde histon modifikasyonları üzerine etkisi, Project Supported by Higher Education Institutions
2018 - 2018	Glifosatin HepG2 Hücrelerinde Toksik Etkilerinin Araştırılması, Project Supported by Higher Education Institutions
2017 - 2018	Proklorazın Prostat Hücrelerinde Nükleer Reseptör Genlerinin Ekspresyonu Üzerine Etkisinin Araştırılması, Project Supported by Higher Education Institutions
2015 - 2018	Bisfenol A'nın Nöroblastoma ve Prostat Kanseri Hücrelerinde Gen-Spesifik DNA Metilasyonu ve Histon Modifikasyonları Üzerine Etkisi, TUBITAK Project
2017 - 2017	Türkiyede Satılan Bitkisel Ürünlerde Okratoksin A Seviyeleri, Project Supported by Higher Education Institutions
2017 - 2017	Proklorazın DNA metilasyonu üzerine etkilerinin hücre kültürlerinde araştırılması, Project Supported by Higher Education Institutions
2017 - 2017	Sentetik kannabinoidlerin DNA metilasyonu üzerine etkisinin hücre kültürlerinde araştırılması, Project Supported by Higher Education Institutions
2016 - 2017	Fumonisin B1'in İnsan Böbrek Hücreleri Üzerine Karsinojenik Etkilerinin Epigenetik Mekanizmalar Aracılığıyla İn Vitro İncelenmesi, Project Supported by Higher Education Institutions
2016 - 2017	Zearalenonun Kromatin Modifiye Eden Genler Üzerine Epigenetik Etkilerinin İncelenmesi, Project Supported by Higher Education Institutions
2016 - 2016	Effects of neonicotinoid insecticides on cytotoxicity and DNA damage in HepG2 and SHSY5Y cells, Project Supported by Higher Education Institutions
2014 - 2016	Neonikotinoid Grubu İnsektisidlerin Sitotoksik Etkilerinin Araştırılması, Project Supported by Higher Education Institutions
2015 - 2015	Occurrence of Ochratoxin A in red pepper powder commercialized in Turkey, Project Supported by Higher Education Institutions
2013 - 2015	ENDOKRİN BOZUCU KİMYASALLARIN TOKSİTEİLERİNDE EPİGENETİK MEKANİZMALARIN ROLÜ, Project Supported by Higher Education Institutions
2012 - 2015	Çeşitli Gıdalarda Okratoksin A Varlığının Araştırılması, Project Supported by Higher Education Institutions

2012 - 2014	Bentazonun böbrek epitel hücrelerinde lipid peroksidasyonu ve glutatyon düzeylerine etkisinin araştırılması, Project Supported by Higher Education Institutions
2012 - 2014	Fumonisin B1 Toksisitesinde c-myc ve p16 Genlerindeki Epigenetik Değişikliklerin Rolü, Project Supported by Higher Education Institutions
2013 - 2013	Genome-wide methylation profiling in rat tissues for non-genotoxic carcinogens using MeDIP-Chip, Project Supported by Higher Education Institutions
2012 - 2013	Proklorazın Genotoksik Etki Potansiyelinin Araştırılması, Project Supported by Higher Education Institutions
2012 - 2013	Okratoksin A'nın Karsinojenik Etkisinde Genom Çapında DNA Metilasyonunun Rolünün Araştırılması, Project Supported by Higher Education Institutions
2011 - 2013	Çeşitli hücre kültürlerinde p16 tümör baskılayıcı geninin promotor bölgesindeki DNA metilasyonunun bisülfid dizileme yöntemi ile araştırılması, Project Supported by Higher Education Institutions
2012 - 2012	Effects of Fumonisin B1 on DNA methylation changes in rat cell cultures, Project Supported by Higher Education Institutions
2010 - 2012	Fumonisin B1'in Toksisitesinde Epigenetik Değişikliklerin Rolünün Araştırılması, Project Supported by Higher Education Institutions
2011 - 2011	Promoter DNA methylation profile as an early event in non-genotoxic carcinogenesis, Project Supported by Higher Education Institutions
2011 - 2011	HÜCRE KÜLTÜRÜ ORTAMINDA KANSERLE İLİŞKİLİ GENLERDE DNA METİLASYONUNDAKİ DEĞİŞİKLİKLERİN ROLÜ, Project Supported by Higher Education Institutions
2010 - 2011	Global DNA Metilasyonunun Ters-Faz Yüksek Basıncılı Sıvı Kromatografisi ile Analizi, Project Supported by Higher Education Institutions
2010 - 2011	Bazı Karsinojenik Maddelerin Etki Mekanizmasında DNA Metilasyonundaki Değişikliklerin Rolü, Project Supported by Higher Education Institutions
2009 - 2011	Non-Genotoksik Karsinogenin Erken Tanınmasında DNA Metilasyonundaki Değişikliklerin Rolü, TÜBİTAK Project
2007 - 2011	Okratoksin A düzeylerinin çeşitli gıdalarda araştırılması, Project Supported by Higher Education Institutions
2010 - 2010	Occurrence of ochratoxin A in foods commonly consumed in Turkey, Project Supported by Higher Education Institutions
2008 - 2010	Non-genotoksik karsinojenlerden Okratoksin A'nın karsinojenik etkisinde DNA metilasyonundaki değişikliklerin rolü, Project Supported by Higher Education Institutions
2009 - 2009	Effects of Methiocarb on Lipid Peroxidation in Rat Tissues, Project Supported by Higher Education Institutions
2008 - 2008	Alteration in global DNA methylation as an early event in non-genotoxic carcinogenesis, Project Supported by Higher Education Institutions
2007 - 2008	Role of Genetic and Non-genetic Mechanisms in Furan Risk, EU Framework Program Project
2006 - 2008	Molecular Mechanism of the Toxicity and Carcinogenicity of The Mycotoxin Ochratoxin A, Other International Funding Programs

## Activities in Scientific Journals

2017 - Continues	Journal of Oncology Research Forecast, Committee Member
2017 - Continues	Journal of Nephrology Forecast, Committee Member
2016 - Continues	Austin Liver, Committee Member
2015 - Continues	Stem Cell Epigenetics, Committee Member
2013 - Continues	J. Fac. Pharm. Istanbul, Advisory Committee Member



## Memberships / Tasks in Scientific Organizations

2024 - Continues	Eurotox-The Molecular Toxicology Speciality Section, Chairman of the Scientific Committee
2012 - Continues	Society of Toxicology, Member
2010 - Continues	European Association for Cancer Research, Member
2008 - Continues	Moleküler Kanser Araştırma Derneği, Member
2003 - Continues	International Union of Toxicology, Member
2003 - Continues	Türk Toksikoloji Derneği, Member
2003 - Continues	Federation of European Toxicologist and European Societies of Toxicology, Member
2010 - 2011	Klinik Toksikoloji Derneği, Member
2006 - 2008	Türk Biyokimya Derneği, Member
2006 - 2008	Federation of European Biochemical Society, Member

## Metrics

Publication: 143  
Citation (WoS): 818  
Citation (Scopus): 852  
H-Index (WoS): 20  
H-Index (Scopus): 19

## Congress and Symposium Activities

2012	8. Uluslararası Katılımlı Türk Toksikoloji Derneği Kongresi, Attendee, Antalya, Turkey
2012	Eppendorf Pipet ve Santrifüj Ürünlerinin Tanıtımı ve Uygulaması, Attendee, İstanbul, Turkey
2012	Olympus Marka BX53 model mikroskop cihazına ilişkin Kullanıcı Eğitim Programı, Attendee, İstanbul, Turkey
2011	9th International Comet Assay Workshop, Attendee, Kuşadası, Turkey
2011	Cytotoxicity and Genotoxicity Testing Systems, Attendee, İstanbul, Turkey
2011	Moleküler Biyoloji ve Genetik Hafta sonu VI, Attendee, İstanbul, Turkey
2010	LightCycler 480 Cihazı-Software 1.5 Eğitimi, Attendee, İstanbul, Turkey
2008	Çevre ve Kanser Sempozyumu, Attendee, İstanbul, Turkey
2008	Programlı Hücre Ölümü Sempozyumu, Attendee, İstanbul, Turkey
2008	3rd Euro-Asian Conference on Hazardous Waste & Human Health, Attendee, İstanbul, Turkey
2007	48. Jahrestagung der DGPT, Attendee, Mainz, Germany
2006	31st FEBS Congress 2006, Attendee, İstanbul, Turkey
2005	XVII International Botanical Congress, Attendee, Viyana, Austria
2004	19th European Workshop on Drug Metabolism DMW-2004, Attendee, Antalya, Turkey
2004	Klinik Toksikoloji Derneği 10. Bilimsel Toplantısı, Attendee, Bursa, Turkey
2003	7th Ulusal Eczacılık Kongresi, Attendee, İstanbul, Turkey
2003	Yeni Yüzyılda Modern İnce Tabaka Kromatografisi (T.L.C.) ve HPTLC, Attendee, İstanbul, Turkey
2003	HPLC ve Diğer Separasyon Teknikleri Ulusal Sempozyumu, Attendee, Ankara, Turkey

## Scholarships

2008 - Continues	Yardımcı Araştırmacı Bursu, University
2007 - Continues	Doktora Sonrası Araştırma Bursu, Official Institutions of Foreign Countries
2006 - Continues	Doktora Sonrası Araştırma Bursu, Foundation

## Awards

August 2011	SITOX Young Scientists Award, 47th Congress of the European Societies of Toxicology- EUROTOX 2011
September 2009	Kongre seyahat bursu, 46th Congress of the European Societies of Toxicology 2009
September 2008	Seyahat ve kayıt ücreti bursu, FEBS Advanced Course 2008-FEBS Youth Travel Fund
September 2006	SFRR-Summer School Katılım ücreti bursu, International Free Radical Summer School 2006