

## Prof. Büket ALPERTUNGA

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAD-6135-2020

Yoksis Researcher ID: 9970

### Education Information

Doctorate, Istanbul University, Faculty Of Pharmacy , Analitik Kimya Anabilim Dalı, Turkey 1976 - 1982

Undergraduate, Istanbul University, Eczacılık Programı, Turkey 1971 - 1975

### Foreign Languages

English, B2 Upper Intermediate

German, C1 Advanced

### Dissertations

Doctorate, Kırmızı Mercan Türü Paramuricea chamaeleon'un kimyasal yapısının aydınlatılması, Istanbul University, Faculty of Pharmacy , Analitik Kimya Anabilim Dalı, 1982

### 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

Professor, Istanbul University, Faculty of Pharmacy , Department of Professional Pharmaceutical Sciences, 1997 - Continues

Associate Professor, Marmara University, Faculty Of Pharmacy, Professional Pharmaceutical Sciences, 1989 - 1997

Assistant Professor, Marmara University, Faculty Of Pharmacy, Professional Pharmaceutical Sciences, 1985 - 1989

Research Assistant, Istanbul University, Faculty of Pharmacy , Department of Professional Pharmaceutical Sciences, 1977 - 1985

## Academic and Administrative Experience

İstanbul Üniversitesi, Faculty of Pharmacy , Department of Professional Pharmaceutical Sciences, 1999 - Continues

İstanbul Üniversitesi, Faculty of Pharmacy , Department of Professional Pharmaceutical Sciences, 2013 - 2016

İstanbul Üniversitesi, Faculty of Pharmacy , Department of Professional Pharmaceutical Sciences, 2010 - 2013

İstanbul Üniversitesi, Eczacılık Fakültesi, 2009 - 2013

Marmara Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1989 - 1996

## Courses

Genel Toksikoloji, Postgraduate, 2015 - 2016

Adli Toksikoloji, Postgraduate, 2013 - 2014

Adli Toksikolojiye Giriş, Undergraduate, 2012 - 2013

## Advising Theses

ALPERTUNGA B., Sentetik kannabinoid JWH-018 'in toksikolojik Özelliklerinin in vitro araştırılması, Doctorate, Y.Sezer(Student), Continues

ALPERTUNGA B., Dövme boyalarının Fototoksosite potansiyelinin in vitro 3T3 NRU Fototoksosite test sistemi ile belirlenmesi, Postgraduate, E.Gözde(Student), Continues

ALPERTUNGA B., Anabolik Androjenik Steroid Stanozololün Sıçan Kalp Dokusunda Apoptoz Mekanizması Üzerine Etkisi, Doctorate, M.Kara(Student), 2016

ALPERTUNGA B., JWH-073 ve Metabolitlerinin LC/MS/MS ile Kan ve İdrarda Tayinleri, Postgraduate, S.Öztürk(Student), 2015

ALPERTUNGA B., JWH-018 ve Metabolitlerinin LC/MS/MS ile Kan ve İdrarda Tayinleri, Postgraduate, Y.Erol(Student), 2014

ALPERTUNGA B., Mesleki kurşun maruziyetine bağlı DNA hasarlarının değerlendirilmesi, Postgraduate, A.Tarbin(Student), 2014

ALPERTUNGA B., Türk popülasyonunda alkol dehidrojenaz (ADH) ve aldehit dehidrojenaz (ALDH) polimorfizmi, Postgraduate, E.Sabahat(Student), 2010

ALPERTUNGA B., Kuru üzüm ve ürünlerinde okratoksin A varlığının araştırılması, Postgraduate, A.Sibel(Student), 2009

ALPERTUNGA B., Cilt fibroblast hücrelerinin UV kaynaklı hasarında protein oksidasyonu ve protein regülasyonunun un rolünün incelenmesi, Doctorate, B.Çatalgöl(Student), 2009

ALPERTUNGA B., Benzimidazol grubu pestisitlerden benomyl ve carbendazimi n lipid peroksidasyonu ve antioksidan enzimler üzerine etkilerinin sıçanlarda araştırılması, Postgraduate, S.Çatalgöl(Student), 2008

ALPERTUNGA B., Bazı pestisidlerin oksidatif stres oluşturma potansiyellerinin ve antioksidan sistemler üzerine etkilerinin sıçanlarda araştırılması, Doctorate, S.Özden(Student), 2006

ALPERTUNGA B., Sularda akrilamid kontaminasyonu düzeyinin araştırılması, Postgraduate, S.Epçeli(Student), 2005

ALPERTUNGA B., Çeşitli gıda maddelerinde akrilamid varlığının araştırılması, Postgraduate, I.Adalı(Student), 2005

ALPERTUNGA B., Bazı pestisidlerin lipid peroksidasyonu ve antioksidan enzimler üzerine etkilerinin in vitro incelenmesi, Postgraduate, B.Karademir(Student), 2005

ALPERTUNGA B., Herbisid ve insektisid etkili bazı önemli tarım ilaçlarının yüzey sularında yüksek basınçlı sıvı kromatografisi ile analizleri, Postgraduate, S.Topuz(Student), 2001

ALPERTUNGA B., Amin grubu içeren çeşitli ilaç maddelerinde n fizyolojik şartlarda oluşan N- nitroso türevlerinin genotoksik aktivite yönünden araştırılması, Doctorate, G.Özhan(Student), 2000

ALPERTUNGA B., Tahıl ve tahıl ürünlerinde okratoksin A seviyesinin araştırılması, Doctorate, N.Meşeci(Student), 1999

ALPERTUNGA B., Organik fosfat esterli pestisitlerin post-mortem materyallerden identifikasyonu, Doctorate, H.Çetin(Student), 1998

ALPERTUNGA B., Ambroksol hidroklorürde n N-nitroso türevi oluşumunun in vitro incelenmesi, Postgraduate, S.Mehtap(Student), 1996

ALPERTUNGA B., Halk arasında tedavi amacıyla kullanılan bitkisel çayların mutajenik aktivitelerinin araştırılması,

Postgraduate, N.Özmenteşe(Student), 1995

ALPERTUNGA B., Sekonder amin grubu içeren maprotilin hidroklorürde n N-nitroso türevi oluşumunun in vitro incelenmesi, Postgraduate, N.Meşeci(Student), 1993

ALPERTUNGA B., Bazı asidik ve nötral ilaç maddelerinin ince tabaka kromatografisi yardımıyla analizi ve biyolojik matriksin analize etkisinin incelenmesi, Postgraduate, E.Sariahmetoğlu(Student), 1989

## Jury Memberships

Associate Professor Exam, Doçentlik sınavı-sözlü, İstanbul üniversitesi, April, 2016

Doctorate, Tez Savunma Jürisi, İstanbul Üniversitesi, February, 2016

Doctorate, Tez Savunma Jürisi, İstanbul Üniversitesi, January, 2016

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

- I. **Molecular Cardiotoxic Effects of Proteasome Inhibitors Carfilzomib and Ixazomib and Their Combination with Dexamethasone Involve Mitochondrial Dysregulation**  
Jannuzzi A. T., Korkmaz N. S., Günaydın Akyıldız A., Arslan Eseryel S., Karademir Yılmaz B., Alpertunga B. Cardiovascular Toxicology, vol.23, no.3-4, pp.121-131, 2023 (SCI-Expanded)
- II. **Mitochondrial dynamics imbalance and mitochondrial dysfunction contribute to the molecular cardiotoxic effects of lenvatinib.**  
Akyıldız A. G., Boran T., Jannuzzi A. T., Alpertunga B. Toxicology and applied pharmacology, vol.423, pp.115577, 2021 (SCI-Expanded)
- III. **Extended regorafenib treatment can be linked with mitochondrial damage leading to cardiotoxicity.**  
Boran T., Akyıldız A., Jannuzzi A. T., Alpertunga B. Toxicology letters, vol.336, pp.39-49, 2021 (SCI-Expanded)
- IV. **In vitro assessment of the cytotoxic, genotoxic and oxidative stress effects of the synthetic cannabinoid JWH-018 in human SH-SY5Y neuronal cells**  
Sezer Y., Jannuzzi A. T., Huestis M. A., Alpertunga B. Toxicology Research, vol.1, pp.1-7, 2020 (SCI-Expanded)
- V. **Higher proteotoxic stress rather than mitochondrial damage is involved in higher neurotoxicity of bortezomib compared to carfilzomib.**  
Jannuzzi A. T., Arslan S., Yılmaz A., Sari G., Beklen H., Méndez L., Fedorova M., Arga K., Karademir Y., Alpertunga B. Redox biology, vol.32, pp.101502, 2020 (SCI-Expanded)
- VI. **Celastrol pretreatment as a therapeutic option against cisplatin-induced nephrotoxicity**  
Boran T., Gunaydin A., Jannuzzi A. T., Ozcagli E., Alpertunga B. TOXICOLOGY RESEARCH, vol.8, no.5, pp.723-730, 2019 (SCI-Expanded)
- VII. **Stanozolol administration combined with exercise leads to decreased telomerase activity possibly associated with liver aging**  
Ozcagli E., Kara M., Kotil T., Fragkiadaki P., Tzatzarakis M. N., TSITSIMPIKOU C., Stivaktakis P. D., Tsoukalas D., Spandidos D. A., Tsatsakis A. M., et al. INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE, vol.42, no.1, pp.405-413, 2018 (SCI-Expanded)
- VIII. **Effects of stanozolol on apoptosis mechanisms and oxidative stress in rat cardiac tissue**  
Kara M., Ozcagli E., Kotil T., Alpertunga B. STEROIDS, vol.134, pp.96-100, 2018 (SCI-Expanded)
- IX. **Determination of DNA damage and telomerase activity in stanozolol-treated rats**  
Kara M., Ozcagli E., Fragkiadaki P., Kotil T., Stivaktakis P. D., Spandidos D. A., Tsatsakis A. M., Alpertunga B. EXPERIMENTAL AND THERAPEUTIC MEDICINE, vol.13, no.2, pp.614-618, 2017 (SCI-Expanded)
- X. **DNA methylation analysis in rat kidney epithelial cells exposed to 3-MCPD and glycidol**  
Senyildiz M., Alpertunga B., Ozden S.

DRUG AND CHEMICAL TOXICOLOGY, vol.40, no.4, pp.432-439, 2017 (SCI-Expanded)

- XI. **Evaluation of DNA damage and DNA repair capacity in occupationally lead-exposed workers**  
Jannuzzi A. T., Alpertunga B.  
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.32, no.11, pp.1859-1865, 2016 (SCI-Expanded)
- XII. **Effects of 3-monochloropropane-1,2-diol (3-MCPD) and its metabolites on DNA damage and repair under in vitro conditions**  
Ozcagli E., Alpertunga B., FENGA C., Berktaş M., TSITSIMPIKOU C., Wilks M. F., Tsatsakis A. M.  
FOOD AND CHEMICAL TOXICOLOGY, vol.89, pp.1-7, 2016 (SCI-Expanded)
- XIII. **Application of a validated LC-MS/MS method for JWH-073 and its metabolites in blood and urine in real forensic cases**  
OZTURK S., OZTURK Y. E., YETER O., Alpertunga B.  
FORENSIC SCIENCE INTERNATIONAL, vol.257, pp.165-171, 2015 (SCI-Expanded)
- XIV. **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)
- XV. **Investigation on the toxic potential of Tribulus terrestris in vitro.**  
Abudayyak M. F., Jannuzzi A. T., Ozhan G., Alpertunga B.  
Pharmaceutical biology, vol.53, no.4, pp.469-76, 2015 (SCI-Expanded)
- XVI. **Validation of JWH-018 and its metabolites in blood and urine by UPLC-MS/MS: Monitoring in forensic cases**  
OZTURK Y. E., YETER O., Alpertunga B.  
FORENSIC SCIENCE INTERNATIONAL, vol.248, pp.88-93, 2015 (SCI-Expanded)
- XVII. **VEGF Gene Polymorphisms and Susceptibility to Colorectal Cancer**  
Jannuzzi A. T., Ozhan G., Yanar H. T., Alpertunga B.  
GENETIC TESTING AND MOLECULAR BIOMARKERS, vol.19, no.3, pp.133-137, 2015 (SCI-Expanded)
- XVIII. **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)
- XIX. **Effects of bentazone on lipid peroxidation and antioxidant systems in human erythrocytes in vitro**  
Abudayyak M. F., Ozden S., Alpertunga B., Ozhan G.  
DRUG AND CHEMICAL TOXICOLOGY, vol.37, no.4, pp.410-414, 2014 (SCI-Expanded)
- XX. **Effects of prochloraz on DNA damage, lipid peroxidation and antioxidant system in vitro**  
Alpertunga B., Kara M., Abudayyak M. F., Oztas E., Ozden S., Ozhan G.  
TOXICOLOGY MECHANISMS AND METHODS, vol.24, no.4, pp.268-275, 2014 (SCI-Expanded)
- XXI. **Genetic Variations in the Xenobiotic-Metabolizing Enzymes CYP1A1, CYP1A2, CYP2C9, CYP2C19 and Susceptibility to Colorectal Cancer Among Turkish People**  
Ozhan G., Mutur M., Ercan G., Alpertunga B.  
GENETIC TESTING AND MOLECULAR BIOMARKERS, vol.18, no.4, pp.223-228, 2014 (SCI-Expanded)
- XXII. **H2O2/UV-C and Photo-Fenton treatment of a nonylphenol polyethoxylate in synthetic freshwater: Follow-up of degradation products, acute toxicity and genotoxicity**  
Karci A., Arslan Alaton İ., Bekbolet M., Ozhan G., Alpertunga B.  
CHEMICAL ENGINEERING JOURNAL, vol.241, pp.43-51, 2014 (SCI-Expanded)
- XXIII. **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)
- XXIV. **Associations between the functional polymorphisms in the ABCB1 transporter gene and colorectal cancer risk: a case-control study in Turkish population**  
Ozhan G., Kara M., Sari F. M., Yanar H. T., Ercan G., Alpertunga B.  
TOXICOLOGY MECHANISMS AND METHODS, vol.23, no.4, pp.235-239, 2013 (SCI-Expanded)
- XXV. **Influence of the Functional Polymorphisms in the Organic Anion Transporting Polypeptide 1B1 in**

### **the Susceptibility to Colorectal Cancer**

Ozhan G., Kara M., Sari F. M., Yanar H. T., Alpertunga B.

GENETIC TESTING AND MOLECULAR BIOMARKERS, vol.17, no.3, pp.214-218, 2013 (SCI-Expanded)

- XXVI. **Acute effects of methiocarb on oxidative damage and the protective effects of vitamin E and taurine in Wistar rat liver and kidney.**  
Özden S., Çatalgöl B., GEZGİNCİ-OKTAYOĞLU S., Karatug A., Bolkent Ş., Alpertunga B.  
Toxicol Indust Health, vol.29, no.1, pp.60-71, 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., Gezginci-Oktayoglu S., Karatug A., Bolkent S., Alpertunga B.  
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.29, no.1, pp.60-71, 2013 (SCI-Expanded)
- XXVIII. **Flavin-containing monooxygenase 3 gene polymorphisms in Turkish population**  
Ozhan G., Topal P., Alpertunga B.  
TOXICOLOGY MECHANISMS AND METHODS, vol.22, no.6, pp.461-465, 2012 (SCI-Expanded)
- XXIX. **Flavin-containing monooxygenase 3 gene polymorphisms in Turkish population.**  
ÖZHAN G., Topal P., ALPERTUNGA B.  
Toxicol Mech Methods, vol.22(6), pp.461-5, 2012 (SCI-Expanded)
- XXX. **Occurrence of ochratoxin A in cereal-derived food products commonly consumed in Turkey**  
Ozden S., Akdeniz A. S., Alpertunga B.  
FOOD CONTROL, vol.25, no.1, pp.69-74, 2012 (SCI-Expanded)
- XXXI. **Acute Pancreatitis Is Associated with Ser608Leu iNOS Polymorphism**  
Ozhan G., Sari F. M., Vefai M., Yanar H. T., Alpertunga B.  
FOLIA BIOLOGICA, vol.58, no.6, pp.256-260, 2012 (SCI-Expanded)
- XXXII. **The Effect of Genetic Polymorphisms of Cyclooxygenase 2 on Acute Pancreatitis in Turkey**  
Ozhan G., Yanar T. H., Ertekin C., Alpertunga B.  
PANCREAS, vol.39, no.3, pp.371-376, 2010 (SCI-Expanded)
- XXXIII. **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)
- XXXIV. **Polymorphisms in Tumour Necrosis Factor Alpha (TNF alpha) Gene in Patients with Acute Pancreatitis**  
Ozhan G., Yanar H. T., Ertekin C., Alpertunga B.  
MEDIATORS OF INFLAMMATION, 2010 (SCI-Expanded)
- XXXV. **The Proteasome Is an Integral Part of Solar Ultraviolet A Radiation-induced Gene Expression**  
Catalgol B., Ziaja I., Breusing N., Jung T., Hoehn A., Alpertunga B., Schroeder P., Chondrogianni N., Gonos E. S., Petropoulos I., et al.  
JOURNAL OF BIOLOGICAL CHEMISTRY, vol.284, no.44, pp.30076-30086, 2009 (SCI-Expanded)
- XXXVI. **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)
- XXXVII. **Acrylamide-Induced Oxidative Stres in Human Erythrocytes.**  
Catalgol Karademir B., ÖZHAN G., ALPERTUNGA B.  
Hum. Exp. Toxicol, vol.28 (10);, pp.611-0, 2009 (SCI-Expanded)
- XXXVIII. **ASSESSMENT OF THE GENOTOXIC POTENTIAL OF SURFACE WATERS USING UMU-ASSAY**  
Ozhan G., Catalgol B., Alpertunga B.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.17, pp.2071-2077, 2008 (SCI-Expanded)
- XXXIX. **Liquid chromatographic analysis of maneb and its main degradation product, ethylenethiouera, in fruit juice**  
Oezhan G., Alpertunga B.  
FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK

- ASSESSMENT, vol.25, no.8, pp.961-970, 2008 (SCI-Expanded)
- XL. **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)
- XLII. **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)
- XLII. **Effects of benomyl and carbendazim on lipid peroxidation and antioxidant system in kidney of rats following acute exposure**  
Catalgol B., Catalgol S., Alpertunga B.  
TOXICOLOGY LETTERS, vol.172, 2007 (SCI-Expanded)
- XLIII. **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)
- XLIV. **Determination of various fungicides in water by LC-DAD analysis**  
Oezhan G., Alpertunga B.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.16, no.8, pp.880-886, 2007 (SCI-Expanded)
- XLV. **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)
- XLVI. **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)
- XLVII. **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)
- XLVIII. **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)
- XLIX. **Determination of cyclonite (RDX) in human plasma by high-performance liquid chromatography**  
ÖZHAN G., Topuz S., ALPERTUNGA B.  
Farmaco, vol.58, no.6, pp.445-448, 2003 (SCI-Expanded)
- L. **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)
- LI. **Genotoxic activities of drug-nitrite interaction products**  
Ozhan G., Alpertunga B.  
DRUG AND CHEMICAL TOXICOLOGY, vol.26, no.4, pp.295-308, 2003 (SCI-Expanded)
- LII. **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)
- LIII. **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)
- LIV. **Genotoxic Activities of Drug - Nitrite Interaction Products.**  
ÖZHAN G., ALPERTUNGA B.

- Drug Chem. Toxicol., vol.26(4), pp.295-308, 2003 (SCI-Expanded)
- LV. **Ochratoxin A analysis in corn and corn samples by TLC and HPLC.**  
Meşeci N., ALPERTUNGA B.  
Toxicol. Lett., vol.123, 2001 (SCI-Expanded)
- LVI. **Identification of anticholinesterase insecticides in postmortem material.**  
Çetin H. B., ALPERTUNGA B.  
Eur. J. Pharm. Sci., vol.11(1), 2000 (SCI-Expanded)
- LVII. **DETERMINATION OF SOME BETA-BLOCKERS AS DABSYL DERIVATIVES BY HPLC**  
ALPERTUNGA B., Sungur S., Ersoy L., MANAV S.  
ARCHIV DER PHARMAZIE, vol.323, no.9, pp.587-589, 1990 (SCI-Expanded)
- LVIII. **Spectrophotometric determination of maprotiline hydrochloride**  
Ersoy L., ALPERTUNGA B.  
ANALYST, vol.113, pp.1745-6, 1988 (SCI-Expanded)
- LIX. **Thin layer chromatographic detection of some beta blockers after derivatization with dabsyl chloride**  
Sungur S., Ersoy L., ALPERTUNGA B., Yalçın S. M.  
PHARMAZIE, vol.44, pp.864-867, 1988 (SCI-Expanded)
- LX. **A PHOTO ARTIFACT FROM LINDERAZULENE**  
ALPERTUNGA B., İmre S., COWE H., Cox P., Thomson R. H.  
TETRAHEDRON LETTERS, vol.24, no.41, pp.4461-4462, 1983 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Determination of the Phototoxicity Potential of Commercially Available Tattoo Inks Using the 3T3-neutral Red Uptake Phototoxicity Test**  
Utku Turk E. G., Jannuzzi A. T., Alpertunga B.  
Turkish journal of pharmaceutical sciences, vol.19, no.1, pp.70-75, 2022 (ESCI)
- II. **Proteasomal System Related Stress Response in Different Cancer Cell Lines**  
Jannuzzi A. T., Arslan S., Alpertunga B., Yılmaz B. K.  
CLINICAL AND EXPERIMENTAL HEALTH SCIENCES, vol.11, no.1, pp.28-33, 2021 (ESCI)
- III. **Investigation of Antimicrobial, Antibiofilm, and Cytotoxic Effects of Straight-Chained Sulfanyl Members of Arylamino-1,4-naphthoquinones As Potential Antimicrobial Agents**  
Mataracı Kara E., Jannuzzi A. T., Bayrak N., Yıldırım H., Yıldız M., Tuyun A. F., Alpertunga B., Özbek Çelik B.  
European Journal of Biology, vol.78, no.2, pp.1-7, 2019 (Peer-Reviewed Journal)
- IV. **Jannuzzi, A. T., Sari, G., Yılmaz, A. M., Karademir, B., & Alpertunga, B. (2018). Proteasomal Inhibition with Bortezomib Causes Selective Autophagy Upregulation and Perinuclear Clustering of Mitochondria in Human Neuronal Cells.**  
JANNUZZI A. T., Sarı G., Yılmaz A. M., Karademir B., ALPERTUNGA B.  
MDPI Proceedings, vol.2, no.25, pp.1-5, 2018 (Peer-Reviewed Journal)
- V. **İlaçlar İle İndüklenen Fosfolipidozis ve Katyonik Amfifilik İlaçlar**  
BORAN T., JANNUZZI A. T., ALPERTUNGA B.  
Hacettepe University Journal of the Faculty of Pharmacy, vol.38, no.2, pp.65-75, 2018 (Peer-Reviewed Journal)
- VI. **Anabolik Androjenik Steroidler ve Kötüye Kullanımları**  
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## **Supported Projects**

ALPERTUNGA B., BORAN T., Project Supported by Higher Education Institutions, Tirozin Kinaz İnhibitörü Regorafenibin Kardiyotoksitesinin Moleküler Tekniklerle İn Vitro Değerlendirilmesi, 2017 - 2021

ALPERTUNGA B., GÜNAYDIN A., Project Supported by Higher Education Institutions, Antineoplastik İlaç Lenvatinib Kaynaklı Kardiyotoksitesinin Moleküler Etki Mekanizmaları Açısından in vitro İncelenmesi, 2017 - 2020

Jannuzzi A. T., Alpertunga B., TUBITAK Project, Kemoterapötik Proteazom İnhibitörleri Kaynaklı Periferel Nöropatinin Aydıntlanabilmesi İçin Mitokondriyal Hipotezin Proteomiks İle Doğrulanması, 2017 - 2019

ALPERTUNGA B., KAREDEMİR B., JANNUZZI A. T., Project Supported by Higher Education Institutions, Kemoterapötik ajanlar Bortezomib ve Carfilzomib kaynaklı periferel nöropatide mitotoksitesinin rolünün incelenmesi, 2017 - 2019

KARA M., ÖZÇAĞLI E., ALPERTUNGA B., KOTİL T., Project Supported by Higher Education Institutions, Toksik maddelerin etkilerinin in vitro kuşullarda araştırılması, 2018 - 2018

ALPERTUNGA B., JANNUZZI A. T., Project Supported by Higher Education Institutions, Evaluation Of DNA Damage And DNA Repair Capacity In Occupationally LeadExposed Workers, 2017 - 2018

ALPERTUNGA B., ÖZÇAĞLI E., JANNUZZI A. T., BORAN T., GÜNAYDIN A., Project Supported by Higher Education Institutions, Assessing the role of celastrol on cisplatin induced nephrotoxicity under in vitro conditions, 2017 - 2017

ÖZÇAĞLI E., KARA M., KOTİL T., ALPERTUNGA B., Project Supported by Higher Education Institutions, Immunohistochemistry analysis and TERT PTEN protein expressions in Stanazolol exposure, 2017 - 2017

ALPERTUNGA B., JANNUZZI A. T., Project Supported by Higher Education Institutions, Akciğer kanseri hücrelerinde Sisplatin ile Celastrol kombinasyonunun etkinliğinin incelenmesi, 2016 - 2017

ÖZÇAĞLI E., ALPERTUNGA B., KARA M., Project Supported by Higher Education Institutions, Stanazolole Maruziyetin Sıçan Lenfositleri Üzerinde DNA Hasarı Oluşturma Potansiyeli Açısından Araştırılması, 2016 - 2017

ÖZÇAĞLI E., KARA M., ALPERTUNGA B., Project Supported by Higher Education Institutions, Anabolik Androjenik Steroid Stanazolol'ün Sıçan Karaciğer Dokusunda Telomeraz Aktivitesi ve PTEN, hTERT Gen Ekspresyonları Üzerine Etkisi, 2015 - 2016

ALPERTUNGA B., JANNUZZI A. T., Project Supported by Higher Education Institutions, Celastrol'ün A549 Hücre Dizinde Apoptotik Etkilerinin Araştırılması, 2014 - 2016

ÖZDEN S., ARDA PİRİNÇÇİ B. P., SANCAR BAŞ S., ALPERTUNGA B., ÇAĞLAYAN M., Project Supported by Higher Education Institutions, ENDOKRİN SİSTEM ÜZERİNE ETKİLİ KİMYASALLARIN TOKSİSİTELERİNDE HİSTON MODİFİKASYONLARININ ROLÜ, 2014 - 2016

ALPERTUNGA B., Project Supported by Higher Education Institutions, DETERMINATION OF GENOTOXIC EFFECTS OF STANOZOLOL IN RATS, 2015 - 2015

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ALPERTUNGA B., Project Supported by Higher Education Institutions, The role of DNA methylation alterations in 3-MCPD and Glycidol induced toxicity in rat kidney epithelial cells, 2014 - 2014

ALPERTUNGA B., KENANOĞLU M. F., Project Supported by Higher Education Institutions, Demir dikeninin toksik etki potansiyelinin araştırılması, 2013 - 2014

ALPERTUNGA B., Project Supported by Higher Education Institutions, Mesleki Kurşun Maruziyetine Bağlı DNA Hasarlarının Değerlendirilmesi, 2012 - 2014

ALPERTUNGA B., Project Supported by Higher Education Institutions, ASSOCIATIONS BETWEEN GENETIC

POLYMORPHISMS OF THE GENES MEDIATING THE INFLAMMATORY RESPONSE AND ACUTE PANCREATITIS RISK, 2013 - 2013

ALPERTUNGA B., Project Supported by Higher Education Institutions, JWH-018 ve Metabolitlerinin LC/MS/MS ile Kan ve İdrarda Tayini, 2012 - 2013

ALPERTUNGA B., Project Supported by Higher Education Institutions, JWH-073 VE METABOLİTLERİNİN LC/MS/MS İLE KAN VE İDRARDA TAYİNİ, 2012 - 2013

ALPERTUNGA B., ÖZDEN S., ÖZTAŞ E., Project Supported by Higher Education Institutions, Proklorazın Genotoksik Etki Potansiyelinin Araştırılması, 2012 - 2013

ALPERTUNGA B., Project Supported by Higher Education Institutions, Tebukonazolün karaciğer hücresi üzerine oksidatif hasar ve mutasyon yapıcı etkilerinin araştırılması, 2011 - 2013

ALPERTUNGA B., Project Supported by Higher Education Institutions, Proklorazın genotoksik etkisinin umu-test ile araştırılması, 2011 - 2013

ALPERTUNGA B., Project Supported by Higher Education Institutions, Kolorektal kanser gelişimi üzerine genetik polimorfizmin etkisi, 2011 - 2012

ALPERTUNGA B., ÖZDEN S., Project Supported by Higher Education Institutions, Okratoksin A düzeylerinin çeşitli gıdalarda araştırılması, 2007 - 2011

ALPERTUNGA B., Project Supported by Higher Education Institutions, GENOTYPE AND ALLELE FREQUENCIES OF POLYMORPHIC ADH AND ALDH IN THE TURKISH POPULATION, 2010 - 2010

ALPERTUNGA B., Project Supported by Higher Education Institutions, Türk popülasyonunda alkol dehidrojenaz (ADH) ve aldehit dehidrojenaz (ALDH) polimorfizmi, 2009 - 2010

ALPERTUNGA B., Project Supported by Higher Education Institutions, Effects of Benzimidazole Fungicides, Benomyl and Carbendazim, on Lipid Peroxidation and Antioxidant System in Rat, 2009 - 2009

ALPERTUNGA B., Project Supported by Other Official Institutions, Ömerli Baraj gölü ve katılan dere sularında kurşun, kadmiyum ve civa içeriğinin saptanması, 1998 - 1999

## Activities in Scientific Journals

Journal of Faculty of Pharmacy of Istanbul University, Editor, 2013 - 2016

## Memberships / Tasks in Scientific Organizations

Klinik Toksikoloji Derneği, Member, 2010 - Continues

European Association for Cancer Research, Member, 2010 - Continues

Federation of European Toxicologist and European Societies of Toxicology, Member, 2007 - Continues

Society of Toxicology, Member, 2006 - Continues

International Union of Toxicology, Member, 2006 - Continues

Türk Biyokimya Derneği, Member, 2006 - Continues

Federation of European Biochemical Society, Member, 2006 - Continues

Türk Biyokimya Derneği, Member, 2006 - Continues

Moleküler Kanser Araştırma Derneği, Member, 2004 - Continues

## Scientific Consultations

TUBITAK, Project Consultancy, Istanbul University, Faculty Of Pharmacy , Department of Professional Pharmaceutical Sciences, Turkey, 2013 - Continues

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## **Metrics**

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