

Prof. ORHAN ADALI

Personal Information

Office Phone: [+90 312 210 5182](tel:+903122105182)

Fax Phone: [+90 312 210 7976](tel:+903122107976)

Email: bioorhan@metu.edu.tr

Web: [https://O.D.T.Ü. \(M.E.T.U.\)](https://O.D.T.Ü. (M.E.T.U.)), DEPARTMENT OF BIOLOGICAL SCIENCES

Address: O.D.T.Ü. Biyolojik Bilimler Bölümü, Çankaya, Ankara

International Researcher IDs

ScholarID: Cr2N2GoAAAAJ

ORCID: 0000-0001-8484-1146

Publons / Web Of Science ResearcherID: AAZ-9132-2020

ScopusID: 6603385719

Yoksis Researcher ID: 1162

Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Biyokimya (Dr), Turkey
1983 - 1989

Foreign Languages

English, C1 Advanced

Research Areas

Life Sciences, Biochemistry, Biochemical Toxicology, Biomolecules, Enzymology, Food Biochemistry, Metabolism, Molecular Biochemistry, Molecular Biology and Genetics, Genetic Disorders, Molecular Biology of Cancer, Neurobiology, Natural Sciences

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 1999 - Continues
Associate Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 1994 - 1999
Assistant Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 1992 - 1994
Lecturer, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 1989 - 1992
Research Assistant, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 1980 - 1989

Academic and Administrative Experience

Rectorate Commissioner, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 2017 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Başkanı, Middle East Technical University, Faculty of Arts and

Sciences, Department of Biology, 2018 - 2019

Head of Department, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 2014 - 2019

Courses

Biochemistry Laboratory, Undergraduate, 2017 - 2018

Advising Theses

Adalı O., Association of the vitamin d metabolizing cyp24a1, cyp27a1, cyp27b1 and vitamin d receptor genetic polymorphisms with multiple sclerosis risk in turkish population, Doctorate, G.BULUT(Student), 2023

ADALI O., Analyzing the expression patterns of vitamin D metabolizing CYP27B1 and CYP24A1 in brain tissue of vitamin D treated mice with multiple sclerosis (MS), Postgraduate, D.ÖZDOĞAN(Student), 2022

ADALI O., Investigation of glutathione S-transferase (GST) expression and activity in mouse with multiple sclerosis (MS), Postgraduate, D.ARÇAK(Student), 2022

Adalı O., INVESTIGATION OF EFFECTS OF VITAMIN D AND VITAMIN D METABOLIZING CYP450 ISOZYMES ON MULTIPLE SCLEROSIS PATHOPHYSIOLOGY IN ANIMAL MODEL BY MOLECULAR APPROACHES, Doctorate, E.EVİN(Student), 2021

Adalı O., Effects of Medicinal Plant Sanguisorba Minor Subsp. Balearica on Selected CYP450 Isozymes and Proinflammatory Cytokines Activity in Inflammation Induced Rat Model: An Immunochemical Approach, Doctorate, A.İNAN(Student), 2021

ADALI O., Behavioral and molecular impact of a stress factor, acaricide perizin on honey bees (apis mellifera) of Turkey, Doctorate, O.Can(Student), 2020

Adalı O., Association analysis of cholesterol 7- alpha hydroxylase (CYP7A1) and cholesterol 24-hydroxylase (CYP46A1) genetic polymorphisms and multiple sclerosis risk in turkish population, Postgraduate, E.SEZER(Student), 2019

Adalı O., Investigation of the effects of plant phenolic oleuropein on expression levels of xenobiotic metabolizing enzymes along with potential cytotoxic and genotoxic impact on human colon cancer cell line HT-29, Postgraduate, E.DURMUŞ(Student), 2018

ADALI O., Effects of resveratrol and quercetin on vitamin d metabolizing cytochrome p450 enzymes, Postgraduate, M.AKKULAK(Student), 2016

ADALI O., ÇORUH N., The effects of plant originated bioactive compounds on melanogenesis and tyrosinase, Doctorate, Ş.ŞAHİN(Student), 2016

ÇORUH N., ADALI O., Research of phytochemical AMPK activators against obesity and development of dietary supplements, Doctorate, Y.KÜMBET(Student), 2016

ADALI O., Investigation of the effects of combine use of cisplatin and metformin on proliferation of prostate cancer cell lines and GSTP, CYP17A1 and hexokinase II enzymes, Postgraduate, Ö.DURUKAN(Student), 2016

ADALI O., Effects of the plant phenolic quercetin on protein and mRNA expressions of xenobiotic metabolizing CYP1A1, CYP2E1, NQO1 and GST enzymes in colon cancer cell line sw620, Postgraduate, M.ÜLGER(Student), 2015

ADALI O., Genetic polymorphism of vitamin D3 metabolising cytochrome p450 (CYPS) enzymes and risk of ischemic stroke in turkish population, Postgraduate, T.ÖNER(Student), 2015

ADALI O., Effects of the plant phenolic quercetin on protein and mRNA CYP1A1, CYP2E1, NQO1 and GST enzymes in colon cancer cell line SW620, Postgraduate, M.Ülger(Student), 2015

ADALI O., The effects of folk medicinal plants Viscum album L. and Epilobium hirsutum L. on protein and mrna expressions of rat liver bile acid synthesizing CYPs, Doctorate, T.ÇULCU(Student), 2015

ÇORUH N., ADALI O., Investigation of plant derived substances that promote the biosynthesis of collagen; development of cosmetic and dermatological skin care products, Doctorate, A.KURT(Student), 2015

ADALI O., Analysis of protein and mRNA expressions of CYP1A1, CYP2E1, NQO1 and GST enzymes in liver, colon and prostate cancer cell lines to study drug and carcinogen metabolism, Postgraduate, E.EVİN(Student), 2014

ADALI O., Association analysis of glutathione S-transferase omega 1 and omega 2 genetic polymorphisms and ischemic stroke risk in Turkish population, Postgraduate, E.BİLGİN(Student), 2014

ADALI O., Investigation of the effects of folk medicinal plant *Epilobium hirsutum* L. on cytochrome P450 dependent and antioxidant enzymes: A molecular approach, Doctorate, S.KARAKURT(Student), 2013

ADALI O., Analysis of immunoreactivity of nos isoforms(nNOS, eNOS, iNOS) in hippocampus of young rats classified as good and poor learners., Postgraduate, E.KEÇEÇİOĞLU(Student), 2012

ADALI O., Association between gamma aminobutyric acid (GABA) type B receptor gene polymorphisms and idiopathic generalized epilepsy, Postgraduate, E.EROĞLU(Student), 2012

ADALI O., In vivo effect of *Epilobium hirsutum* L. and *Viscum album* L. on protein and mRNA expressions of rat liver vitamin D3 metabolizing CYP24A1 and CYP27B1 enzymes, Postgraduate, M.SEVER(Student), 2012

ADALI O., Study on the molecular basis of individual variation in spatial memory in rats, Doctorate, Ç.GÖKÇEK(Student), 2012

ADALI O., Effect of medicinal plants *Epilobium hirsutum* L. and *Viscum album* L. on rat liver flavin-containing monooxygenase activity and expression, Postgraduate, H.UFUK(Student), 2012

ADALI O., In Vivo effect of *Epilobium Hirsutum* L. and *Viscum Album* L. on protein and mRNA expressions of rat liver vitamin D₃ metabolizing CYP24A1 and CYP27B1 enzymes, Postgraduate, M.Sever(Student), 2012

ADALI O., Association of the CYP2E1, FMO3, NQO1, GST and NOS3 genetic polymorphisms with ischemic stroke risk in Turkish population, Doctorate, A.ÖZÇELİK(Student), 2011

ADALI O., Analysis of cytochrome P4501A1 genetic polymorphisms in patients with ischemic stroke, Postgraduate, A.ÇINAR(Student), 2011

ADALI O., Polymorphisms of epoxide hydrolase genes and ischemic stroke risk in Turkish population, Postgraduate, Y.MİÇOOĞULLARI(Student), 2011

ADALI O., Association between gamma aminobutyric acid (GABA) type B receptors gene polymorphisms and idiopathic generalized epilepsy, Postgraduate, E.Eroğlu(Student), 2011

ADALI O., Association of CYP2E1, NQO1 and GST genetic polymorphisms with risk of acute lymphoblastic leukemia in Turkish children, Doctorate, G.ULUSOY(Student), 2009

ADALI O., Pharmacogenetics of childhood acute lymphoblastic leukemia: Investigation of frequency of TPMT risk alleles for thiopurine toxicity and the role of SULT1A1, EPHX1 polymorphisms as risk factors for development of the disease, Doctorate, T.TÜMER(Student), 2009

ADALI O., Apolipoprotein A5 genetic polymorphisms in Turkish population and the risk of ischemic stroke, Postgraduate, E.ŞAHİN(Student), 2008

ADALI O., Effects of benzene on liver, kidney and lung CYP1A, CYP2B4, CYP2E1 and CYP3A6 mRNA, protein level, and drug metabolizing enzyme activities and toxicity in diabetic rabbits, Doctorate, Ş.ARSLAN(Student), 2008

ADALI O., The effects of phenolic compound tannic acid on phase II and cytochrome p450 dependent enzymes in rabbit liver and kidney, Postgraduate, S.KARAKURT(Student), 2008

ADALI O., Investigation of the association between genetic and activity polymorphisms of paraoxonase 1 and ischemic stroke risk, Doctorate, B.CAN(Student), 2007

ADALI O., Human serum arylesterase and glutathione S-transferase activities in patients with ischemic stroke compared to healthy controls, Postgraduate, A.TÜRKANOĞLU(Student), 2007

ADALI O., Understanding city as an architectural and non-architectural program: learning from Ankara, Postgraduate, Ö.Mutlu(Student), 2006

ADALI O., Mathematical analysis of peeling of carrots, Postgraduate, Ö.Aydın(Student), 2005

ADALI O., New monumentality, Postgraduate, Ü.Özten(Student), 2005

ADALI O., A critical evaluation of governance in the framework of rural development in Turkey, Doctorate, P.Kovancı(Student), 2005

ADALI O., An inquiry on the limits of multidisciplinary collaboration in design :architectural competition, Postgraduate, G.Erdem(Student), 2005

ADALI O., Essential facilities doctrine under ec competition law and particular implications of the doctrine for telecommunications sectors in Eu and Turkey, Postgraduate, M.Bilal(Student), 2004

ADALI O., Phase control by injection locking, Postgraduate, G.Şener(Student), 2004

ADALI O., Utilization of natural gas, optimization of cogeneration/combined cycle applications in campus environment, Postgraduate, E.Özgirgin(Student), 2004

ADALI O., Genetic polymorphisms of alcohol inducible CYP2E1 in Turkish population, Postgraduate, G.ULUSOY(Student),

2004

- ADALI O., Developing alternative modes of tourism in Turkey, Postgraduate, B.Tezcan(Student), 2004
- ADALI O., Characterization and modulation by drugs and other effectors of bovine liver microsomal flavin monooxygenase (FMO), Postgraduate, D.FULYA(Student), 2004
- ADALI O., Discourses of Kemalism and Islamism on the political dimension of EU - Turkey Relations, Postgraduate, D.Fulya(Student), 2004
- ADALI O., Oxidation of acid red 151 solutions by peroxone(O₃/H₂O₂) process, Postgraduate, E.Acar(Student), 2004
- ADALI O., Cytochrome P450 dependent drug metabolism in diabetic rabbits, Postgraduate, Ş.ARSLAN(Student), 2003
- ADALI O., Sheep liver microsomal flavin-monoxygenases: Characterization and effect of some modulators, Postgraduate, B.CAN(Student), 2002
- ADALI O., Characterization and comparison of sheep and bovine liver beta-galactosidase, Postgraduate, A.ERCAN(Student), 2001
- ADALI O., Characterization and comparison of sheep and bovine liver β-galactosidase, Postgraduate, A.Ercan(Student), 2001
- BİLGİN C. C., ADALI O., Studies on carnivores of Düzlerçamı game reserve, Antalya, Postgraduate, A.CEREN(Student), 1999
- ADALI O., Comparison of different methods of beta-galactosidase immobilization on/in poly (2-hydroxyethyl methacrylate) supports., Postgraduate, E.Türker(Student), 1996
- ADALI O., Effects of pyridine on rabbit liver, kidney and lung microsomal cytochrome P450 dependent drug metabolizing enzymes, Postgraduate, A.MİNE(Student), 1995
- ADALI O., Immunochemical and sub-cultural characterization of sheep lung cytochrome P450LgM2, Postgraduate, T.Mohamed(Student), 1993
- ADALI O., Immunochemical and sub-structural characterization of sheep lung cytochrome P450LgM2, Postgraduate, T.MOHAMMED(Student), 1993

Jury Memberships

- Award, Aziz Sancar Bilim Hizmet ve Teşvik Ödülü, Middle East Technical University, September, 2018
- Associate Professor Exam, Associate Professor Exam, Middle East Technical University, August, 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Modulation of Caco-2 Colon Cancer Cell Viability and CYP2W1 Gene Expression by Hesperidin-treated Lactobacillus rhamnosus GG (LGG) Cell-free Supernatants.**
Akkulak M., Evin E., Durukan O., Celebioglu H. U., Adali O.
Anti-cancer agents in medicinal chemistry, vol.24, pp.372-378, 2024 (SCI-Expanded)
- II. **Xenogenic Neural Stem Cell-Derived Extracellular Nanovesicles Modulate Human Mesenchymal Stem Cell Fate and Reconstruct Metabolomic Structure**
DERKUŞ B., Isik M., Eylem C. C., ERGİN İ., Camci C. B., Bilgin S., ELBÜKEN Ç., ARSLAN Y. E., AKKULAK M., ADALI O., et al.
ADVANCED BIOLOGY, vol.6, no.6, 2022 (SCI-Expanded)
- III. **Association of cholesterol 7α-hydroxylase (CYP7A1) promoter polymorphism (rs3808607) and cholesterol 24S-hydroxylase (CYP46A1) intron 2 polymorphism (rs754203) with serum lipids, vitamin D levels, and multiple sclerosis risk in the Turkish population**
SEZER E., CAN DEMİRDÖĞEN B., Demirkaya S., Bulut G., AKKULAK M., EVİN E., ADALI O.
Neurological Sciences, vol.43, no.4, pp.2611-2620, 2022 (SCI-Expanded)
- IV. **Missense Genetic Polymorphisms of Microsomal (<i>EPHX1</i>) and Soluble Epoxide Hydrolase (<i>EPHX2</i>) and Their Relation to the Risk of Large Artery Atherosclerotic Ischemic Stroke in a Turkish Population.**

Demirdogen B. C., Micoogullari Y., Ozcelik A. T., Adali O.

Neuropsychiatric disease and treatment, vol.16, pp.3251-3265, 2021 (SCI-Expanded)

- V. **Plant phenolic oleuropein inhibits HT-29 colon cancer cell proliferation through DNA damage, ROS generation and downregulation of xenobiotic metabolizing enzymes**
Durmus E., KOÇYIĞIT A., ADALI O.
FEBS OPEN BIO, vol.9, pp.344, 2019 (SCI-Expanded)
- VI. **Association analysis of Glutathione S-transferase omega-1 and omega-2 genetic polymorphisms and ischemic stroke risk in a Turkish population**
Bilgin E., Can Demirdögen B., Ozcelik A. T., Demirkaya S., Adali O.
NEUROLOGICAL RESEARCH, vol.41, pp.118-124, 2019 (SCI-Expanded)
- VII. **EVALUATION OF IN VIVO EFFECTS OF VISCUM ALBUM L. AND ITS CONSTITUENT O-COUMARIC ACID ON BILE ACID SYNTHESIZING CYP5**
Ege T., Ozkan A. M. G., Sena A., ADALI O.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.4, pp.2825-2834, 2019 (SCI-Expanded)
- VIII. **Alteration of drug pharmacokinetics with medicinal plant Viscum album L. by rendering major cytochrome P450 activities**
ŞEN A., ÇELİK TURGUT G., GENÇLER ÖZKAN A. M., ADALI O.
FEBS OPEN BIO, vol.8, pp.229, 2018 (SCI-Expanded)
- IX. **Effect of cisplatin treatment on protein expression of vitamin D metabolizing CYP24A1 in PC3 cell line**
EVİN E., Durukan O., AKKULAK M., ADALI O.
FEBS OPEN BIO, vol.8, pp.326, 2018 (SCI-Expanded)
- X. **Effect of quercetin on mRNA and protein expressions of vitamin D metabolizing CYP27B1 and CYP24A1 in human embryonic kidney cell line (HEK-293)**
Akkulak M., Evin E., Durukan O., Ozhan G., Adali O.
FEBS OPEN BIO, vol.8, pp.352, 2018 (SCI-Expanded)
- XI. **Alteration of protein and gene expressions of Hexokinase II in PC3 cell lines by cisplatin-metformin combination treatment**
Durukan O., Akkulak M., Evin E., ARSLAN S., Adali O.
FEBS OPEN BIO, vol.8, pp.352, 2018 (SCI-Expanded)
- XII. **Relationship between the hippocampal expression of selected cytochrome P450 isoforms and the animal performance in the hippocampus-dependent learning task**
Gjota-Ergin S., Gokcek-Sarac C., ADALI O., Jakubowska-Dogru E.
NEUROSCIENCE LETTERS, vol.673, pp.104-110, 2018 (SCI-Expanded)
- XIII. **Genetic polymorphisms of vitamin D3 metabolizing CYP24A1 and CYP2R1 enzymes in Turkish patients with ischemic stroke**
ÖZÇELİK A., ÖNER T., Demirdogen B. C., BEK V. S., DEMİRKAYA Ş., ADALI O.
NEUROLOGICAL RESEARCH, vol.40, no.5, pp.364-371, 2018 (SCI-Expanded)
- XIV. **Association of cytochrome P4502E1 and NAD(P)H:quinone oxidoreductase 1 genetic polymorphisms with susceptibility to large artery atherosclerotic ischemic stroke: a case-control study in the Turkish population**
Ozcelik A. T., CAN DEMİRDÖĞEN B., Demirkaya S., ADALI O.
NEUROLOGICAL SCIENCES, vol.38, no.6, pp.1077-1085, 2017 (SCI-Expanded)
- XV. **In vivo examination of the effects of hydroxycinnamic acid on xenobiotic metabolizing and antioxidant enzymes**
SEMİZ A., Celik-Turgut G., KARAKURT S., AKÇA H., ARSLAN Ş., ADALI O., ŞEN A.
ARCHIVES OF BIOLOGICAL SCIENCES, vol.69, no.1, pp.103-110, 2017 (SCI-Expanded)
- XVI. **Inhibitory action of Epilobium hirsutum extract and its constituent ellagic acid on drug-metabolizing enzymes**
Celik G., SEMİZ A., KARAKURT S., GENÇLER ÖZKAN A. M., ARSLAN Ş., ADALI O., ŞEN A.
EUROPEAN JOURNAL OF DRUG METABOLISM AND PHARMACOKINETICS, vol.41, no.2, pp.109-116, 2016 (SCI-

Expanded)

- XVII. **Contribution of ellagic acid on the antioxidant potential of medicinal plant *Epilobium hirsutum***
Karakurt S., SEMİZ A., Celik G., GENÇLER ÖZKAN A. M., ŞEN A., ADALI O.
NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.68, no.1, pp.173-183, 2016 (SCI-Expanded)
- XVIII. **Tannic Acid Inhibits Proliferation, Migration, Invasion of Prostate Cancer and Modulates Drug Metabolizing and Antioxidant Enzymes**
KARAKURT S., ADALI O.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.16, no.6, pp.781-789, 2016 (SCI-Expanded)
- XIX. **Alteration of enzyme activities and kinetic properties of GST and NQO1 with naturally occurring phenolic compounds**
KARAKURT S., Sever M., Celebioglu H. U., ADALI O.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.40, no.3, pp.251-257, 2015 (SCI-Expanded)
- XX. **Importance of NOS3 Genetic Polymorphisms in the Risk of Development of Ischemic Stroke in the Turkish Population**
ÖZÇELİK A., CAN DEMİRDÖĞEN B., Demirkaya S., ADALI O.
GENETIC TESTING AND MOLECULAR BIOMARKERS, vol.18, no.12, pp.797-803, 2014 (SCI-Expanded)
- XXI. **Hippocampal levels of ChAT, PKA, phospho-PKA and phospho-CaMKII alpha but not CaMKII alpha positively correlate with spatial learning skills in rats**
Gokcek-Sarac C., ADALI O., Jakubowska-Dogru E.
NEUROSCIENCE LETTERS, vol.545, pp.112-116, 2013 (SCI-Expanded)
- XXII. **Flavin containing monooxygenase 3 genetic polymorphisms Glu158Lys and Glu308Gly and their relation to ischemic stroke**
Ozcelik A. T., Demirdogen B. C., Demirkaya S., ADALI O.
GENE, vol.521, no.1, pp.116-121, 2013 (SCI-Expanded)
- XXIII. ***Epilobium hirsutum* alters xenobiotic metabolizing CYP1A1, CYP2E1, NQO1 and GPx activities, mRNA and protein levels in rats**
Karakurt S., SEMİZ A., Celik G., GENÇLER ÖZKAN A. M., ŞEN A., ADALI O.
PHARMACEUTICAL BIOLOGY, vol.51, no.5, pp.650-658, 2013 (SCI-Expanded)
- XXIV. **Cytochrome P4501A1 genotypes and smoking- and hypertension-related ischemic stroke risk**
CAN DEMİRDÖĞEN B., Adali A. C., Bek S., Demirkaya S., ADALI O.
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.32, no.5, pp.483-491, 2013 (SCI-Expanded)
- XXV. **A Comparative Study for the Evaluation of Two Doses of Ellagic Acid on Hepatic Drug Metabolizing and Antioxidant Enzymes in the Rat**
Celik G., SEMİZ A., Karakurt S., ARSLAN Ş., ADALI O., ŞEN A.
BIOMED RESEARCH INTERNATIONAL, 2013 (SCI-Expanded)
- XXVI. **Correlation between hippocampal levels of neural, epithelial and inducible NOS and spatial learning skills in rats**
Gokcek-Sarac C., Karakurt S., ADALI O., Jakubowska-Dogru E.
BEHAVIOURAL BRAIN RESEARCH, vol.235, no.2, pp.326-333, 2012 (SCI-Expanded)
- XXVII. **Apolipoprotein A5 polymorphisms in Turkish population: association with serum lipid profile and risk of ischemic stroke**
CAN DEMİRDÖĞEN B., Sahin E., Ozcelik A. T., Bek S., Demirkaya S., ADALI O.
MOLECULAR BIOLOGY REPORTS, vol.39, no.12, pp.10459-10468, 2012 (SCI-Expanded)
- XXVIII. **EFFECT OF TANNIC ACID ON GLUTATHIONE S-TRANSFERASE AND NAD(P)H: QUINONE OXIDOREDUCTASE 1 ENZYMES IN RABBIT LIVER AND KIDNEY**
KARAKURT S., ADALI O.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.20, pp.1804-1811, 2011 (SCI-Expanded)
- XXIX. **Association analysis of GSTT1, GSTM1 genotype polymorphisms and serum total GST activity with ischemic stroke risk**
Turkanoglu A., Demirdogen B. C., Demirkaya S., Bek S., ADALI O.
NEUROLOGICAL SCIENCES, vol.31, no.6, pp.727-734, 2010 (SCI-Expanded)

- XXX. **Analysis of paraoxonase 1 (PON1) genetic polymorphisms and activities as risk factors for ischemic stroke in Turkish population**
Demirdogen B. C., Demirkaya S., Turkanoglu A., Bek S., Arinc E., ADALI O.
CELL BIOCHEMISTRY AND FUNCTION, vol.27, no.8, pp.558-567, 2009 (SCI-Expanded)
- XXXI. **Metabolism of methimazole by bovine liver microsomal flavine monooxygenase: modulation by imipramine and chlorpromazine, comparison with sheep enzyme**
Aktas D. F., Demirdogen B. C., ADALI O.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.34, no.1, pp.44-50, 2009 (SCI-Expanded)
- XXXII. **Paraoxonase/arylesterase ratio, PON1 192Q/R polymorphism and PON1 status are associated with increased risk of ischemic stroke**
Demirdogen B. C., Turkanoglu A., Bek S., Sanisoglu Y., Demirkaya S., Vural O., Arinc E., ADALI O.
CLINICAL BIOCHEMISTRY, vol.41, pp.1-9, 2008 (SCI-Expanded)
- XXXIII. **The low frequency of defective TPMT alleles in Turkish population: A study on pediatric patients with acute lymphoblastic leukemia**
Tumer T. B., Ulusoy G., Adali O., Sahin G., Gozdasoglu S., Arinc E.
AMERICAN JOURNAL OF HEMATOLOGY, vol.82, no.10, pp.906-910, 2007 (SCI-Expanded)
- XXXIV. **Genotype and allele frequencies of polymorphic CYP2E1 in the Turkish population**
Ulusoy G., Arinc E., Adali O.
ARCHIVES OF TOXICOLOGY, vol.81, no.10, pp.711-718, 2007 (SCI-Expanded)
- XXXV. **Significance of genetic Polymorphisms at multiple loci of CYP2E1 in the risk of development of childhood acute lymphoblastic leukemia**
Ulusoy G., Adali O., Tumer T. B., Sahin G., Gozdasoglu S., Arinc E.
ONCOLOGY, vol.72, pp.125-131, 2007 (SCI-Expanded)
- XXXVI. **Effects of diabetes on rabbit kidney and lung CYP2E1 and CYP2B4 expression and drug metabolism and potentiation of carcinogenic activity of N-nitrosodimethylamine in kidney and lung**
Arinc E., Arslan S., Bozcaarmutlu A., Adali O.
FOOD AND CHEMICAL TOXICOLOGY, vol.45, no.1, pp.107-118, 2007 (SCI-Expanded)
- XXXVII. **Differential effects of diabetes on CYP2E1 and CYP2B4 proteins and associated drug metabolizing enzyme activities in rabbit liver**
Arinc E., Arslan S., Adali O.
ARCHIVES OF TOXICOLOGY, vol.79, no.8, pp.427-433, 2005 (SCI-Expanded)
- XXXVIII. **Characterization and modulation by drugs of sheep liver microsomal flavin monooxygenase activity**
Demirdöğen B. C., ADALI O.
Cell Biochemistry and Function, vol.23, no.4, pp.245-251, 2005 (SCI-Expanded)
- XXXIX. **Stimulation of aniline, p-nitrophenol and N-nitrosodimethylamine metabolism in kidney by pyridine pretreatment of rabbits**
Arinc E., Adali O., Gencler-Ozkan A.
ARCHIVES OF TOXICOLOGY, vol.74, no.9, pp.527-532, 2000 (SCI-Expanded)
- XL. **Induction of N-nitrosodimethylamine metabolism in liver and lung by in vivo pyridine treatments of rabbits**
Arinc E., Adali O., Gencler-Ozkan A.
ARCHIVES OF TOXICOLOGY, vol.74, no.6, pp.329-334, 2000 (SCI-Expanded)
- XLI. **Characterization and structure-function studies of human liver flavin monooxygenase isozyme 3 (FM03)**
ADALI O., Philpot R. M.
Turkish Journal of Zoology, vol.23, no.1, pp.45-52, 1999 (SCI-Expanded)
- XLII. **The effect of arginine-428 mutation on modulation of activity of human liver flavin monooxygenase 3 (FM03) by imipramine and chlorpromazine**
Adali O., Carver G., Philpot R.
EXPERIMENTAL AND TOXICOLOGIC PATHOLOGY, vol.51, pp.271-276, 1999 (SCI-Expanded)
- XLIII. **Structure-function of cytochromes P450 and flavin-containing monooxygenases - Implications for**

drug metabolism

Halpert J., Domanski T., Adali O., Biagini C., Cosme J., Dierks E., Johnson E., Jones J., de Montellano P., Philpot R., et al.
DRUG METABOLISM AND DISPOSITION, vol.26, no.12, pp.1223-1231, 1998 (SCI-Expanded)

- XLIV. **Effect of modification of sheep lung cytochrome P450LgM2(2B) by ethylacetimidate in hydroxylation activity**
Adali O.
BIOCHEMICAL ARCHIVES, vol.14, no.4, pp.241-246, 1998 (SCI-Expanded)
- XLV. **Modulation of human flavin-containing monooxygenase 3 activity by tricyclic antidepressants and other agents: Importance of residue 428**
Adali O., Carver G., Philpot R.
ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, vol.358, no.1, pp.92-97, 1998 (SCI-Expanded)
- XLVI. **Characterization of beta-galactosidase immobilized into poly(hydroxyethylmethacrylate) membranes**
Adali O., Baran T., Arica M.
BIOCHEMICAL ARCHIVES, vol.14, no.2, pp.123-129, 1998 (SCI-Expanded)
- XLVII. **Characterization of β -galactosidase immobilized into poly(hydroxyethyl methacrylate) membranes**
ADALI O., Baran T., Arica M.
Biochemical Archives, vol.14, no.2, pp.123-129, 1998 (SCI-Expanded)
- XLVIII. **Immunochemical and sub-structural characterization of sheep lung cytochrome P450LgM2**
Adali O., AbuBaker T., Arinc E.
INTERNATIONAL JOURNAL OF BIOCHEMISTRY & CELL BIOLOGY, vol.28, no.3, pp.363-372, 1996 (SCI-Expanded)
- XLIX. **Tissue- and species-dependent expression of sheep lung microsomal cytochrome p4502B(LgM2)**
Arinc E., Hanukoglu I., Sen A., Adali O.
BIOCHEMISTRY AND MOLECULAR BIOLOGY INTERNATIONAL, vol.37, no.6, pp.1121-1126, 1995 (SCI-Expanded)
- L. **DIFFERENT INFLUENCES OF 2 FRACTIONS OF LUNG CYTOCHROME-B5 ON RECONSTITUTED LUNG BENZPHETAMINE N-DEMETHYLASE SYSTEM**
ARINC E., ADALI O., PASHA R., BASARAN N.
INTERNATIONAL JOURNAL OF BIOCHEMISTRY & CELL BIOLOGY, vol.27, no.10, pp.1095-1105, 1995 (SCI-Expanded)
- LI. **STIMULATORY EFFECTS OF LUNG CYTOCHROME B5 ON BENZPHETAMINE N-DEMETHYLATION IN A RECONSTITUTED SYSTEM CONTAINING LUNG CYTOCHROME P450LGM2**
ARINC E., PASHA R., ADALI O., BASARAN N.
INTERNATIONAL JOURNAL OF BIOCHEMISTRY, vol.26, no.8, pp.1033-1042, 1994 (SCI-Expanded)
- LII. **PURIFICATION AND CHARACTERIZATION OF 2 FORMS OF SOLUBLE NADH CYTOCHROME-B5 REDUCTASES FROM HUMAN ERYTHROCYTES**
ARINC E., GURAY T., SAPLAKOGLU U., ADALI O.
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY B-BIOCHEMISTRY & MOLECULAR BIOLOGY, vol.101, pp.235-242, 1992 (SCI-Expanded)
- LIII. **STIMULATORY EFFECTS OF BENZENE ON RABBIT LIVER AND KIDNEY MICROSOMAL CYTOCHROME-P-450 DEPENDENT DRUG-METABOLIZING-ENZYMES**
ARINC E., ADALI O., ISCAN M., GURAY T.
ARCHIVES OF TOXICOLOGY, vol.65, no.3, pp.186-190, 1991 (SCI-Expanded)
- LIV. **ELECTROPHORETIC, SPECTRAL, CATALYTIC AND IMMUNOCHEMICAL PROPERTIES OF HIGHLY PURIFIED CYTOCHROME-P-450 FROM SHEEP LUNG**
ADALI O., ARINC E.
INTERNATIONAL JOURNAL OF BIOCHEMISTRY, vol.22, no.12, pp.1433-1432, 1990 (SCI-Expanded)
- LV. **SOLUBILIZATION AND PARTIAL-PURIFICATION OF 2 FORMS OF CYTOCHROME-P-450 FROM TROUT LIVER-MICROSOMES**
ARINC E., ADALI O.
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY B-BIOCHEMISTRY & MOLECULAR BIOLOGY, vol.76, no.3, pp.653-662, 1983 (SCI-Expanded)

Articles Published in Other Journals

- I. **ANTI-ARTHRITIC ACTIVITY OF SANGUISORBA MINOR SUBSP. BALEARICA AGAINST FREUND'S COMPLETE ADJUVANT-INDUCED ARTHRITIS IN RATS**
İnan Genç A., ÖZKAN A. M. G., ADALI O.
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.47, no.2, pp.576-587, 2023 (Scopus)
- II. **Cytotoxic Effects of Probiotic Bacteria Lactobacillus acidophilus and Lactobacillus rhamnosus Grown in the Presence of Oleuropein on Human Prostate Cancer Cells**
Evin E., Çelebioğlu H. U., Erden Y., Adalı O., Çelebi B.
Celal Bayar University Journal of Science, vol.16, no.1, pp.55-59, 2020 (Peer-Reviewed Journal)
- III. **Effects of folk medicinal plant epilobium hirsutum l. And its ingredient ellagic acid on rat liver bile acid synthesizing cyps in rats**
Ege T., Gençler-özkan A., Şen A., ADALI O.
Pharmacologyonline, vol.3, pp.200-215, 2018 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Angiogenic Potential of CYP2W1 Gene in Tumorigenesis**
Akkulak M., Adalı O., Durukan Ö.
FEBS2023, Tours, France, 8 - 12 July 2023, pp.74
- II. **Investigating the role of CYP4X1 gene during brain tumor angiogenesis via RNAi mediated gene repression**
Durukan Ö., Akkulak M., Evin E., Adalı O.
TBS International Biochemistry Congress 2022 - 33th National Biochemistry Congress, İzmir, Turkey, 26 - 30 October 2022, vol.50, no.50, pp.137
- III. **EFFECT OF ONCOFETAL CYP2W1 GENE ON EPITHELIAL-MESENCHYMAL TRANSITION MARKERS**
Akkulak M., Durukan Ö., Evin E., Adalı O.
International Biochemistry Congress 2022, İzmir, Turkey, 26 - 30 October 2022, vol.50, no.49, pp.136-137
- IV. **Sanguisorba minor subsp. Balearica inhibit production of cytokines in a chronic model of inflammation induced by complete Freund's adjuvant**
Genç A. I., ADALI O., Kul O., Ozkan A. M. G.
55th Congress of the European-Societies-of-Toxicology (EUROTOX) - Toxicology - Science Providing Solutions, Helsinki, Finland, 8 - 11 September 2019, vol.314
- V. **Analysis of Protein and mRNA Expressions of CYP1A1 and CYP2E1 Enzymes In Liver, Colon And Prostate Cancer Cell Lines to Study Drug and Carcinogen Metabolism**
Evin E., Karakurt S., Akkulak M., Adalı O.
International Congress on Advances in BioScience and Biotechnology, Sarajevo, Bosnia And Herzegovina, 25 - 29 October 2017, pp.59
- VI. **Effect of cisplatin-metformin drug combination on GSTP1 mediated apoptosis**
DURUKAN Ö., ARSLAN Ş., ADALI O.
5th International Congress of the Molecular Biology Association of Turkey, 8 - 10 September 2017
- VII. **Metformin – Cisplatin Combination Treatment Alters mRNA Expression of Hexokinase II Gene in LNCaP and PC3 Prostate Cancer Cell Lines**
Durukan Ö., Evin E., Arslan Ş., Adalı O.
3rd International Symposium on Euroasian Biodiversity, Minsk, Belarus, 5 - 08 July 2017, pp.323
- VIII. **Investigation of Three Tanacetum L. Taxa From Turkey on The Proliferation of Human Prostate Cancer Cells and Expression of Detoxification Enzyme Activity**
Arituluk Z. C., Evin E., Karakurt S., Ezer N., Adalı O., Gençler Özkan A. M.
The 21th International Congress Phytopharm, Graz, Austria, 2 - 05 July 2017, pp.10
- IX. **Investigation of three Tanacetum L. Taxa from Turkey on the proliferation of human prostate cancer**

cells and expression of detoxification enzyme activities

ARITULUK Z. C., EVİN E., KARAKURT S., EZER N., ADALI O., GENÇLER ÖZKAN A. M.

21st International Congress Phytopharm 2017, Reviews on Clinical Pharmacology and Drug Therapy, Graz, Austria, 2 - 05 July 2017, vol.15, pp.10

- X. **Effects of tannic acid on drug metabolizing enzyme activities in prostate cancer cells**
AKKOZ C., ADALI O., KARAKURT S.
Uluslararası Katılımlı 5. İlaç Kimyası Kongresi, 30 June 2017
- XI. **Effect of resveratrol on mRNA and protein expressions of Vitamin D metabolizing CYP24A1 in human embryonic kidney cell line (HEK-293)**
AKKULAK M., EVİN E., DURUKAN Ö., ÖZHAN H. G., ADALI O.
10th International Symposium on Health Informatics and Bioinformatics (HIBIT 2017), 28 - 30 June 2017
- XII. **Metformin-Cisplatin combination treatment alters gene and protein expressions of CYP17A1 in LNCaP cell line**
DURUKAN Ö., AKKULAK M., SENA GJOTA E., ARSLAN Ş., ADALI O.
10th International Symposium on Health Informatics and Bioinformatics (HIBIT 2017), 28 - 30 June 2017
- XIII. **Folk Medicinal Plant Epilobium hirsutum L. and Its Ingredient Ellagic Acid Alters Protein and mRNA Expressions of Rat Liver Bile Acid Synthesizing CYP7A1**
ÇULCU T., GENÇLER ÖZKAN A. M., ŞEN A., ADALI O.
10th International Symposium on Health Informatics and Bioinformatics (HIBIT 2017), 28 - 30 June 2017
- XIV. **Analysis of Protein and mRNA Expressions of NQO1 and GST pi Enzymes in Liver Colon and Prostate Cancer Cell Lines to Study Drug and and Carcinogen Metabolism**
EVİN E., KARAKURT S., ADALI O.
41st Federation of European Biochemical Societies, FEBS 2016 Congress, 3 - 08 September 2016, vol.283, pp.140
- XV. **Analysis of protein and mRNA expressions of NQO1 and GST-pi enzymes in liver, colon and prostate cancer cell lines to study drug and carcinogen metabolism**
EVİN E., KARAKURT S., ADALI O.
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.140
- XVI. **Cytotoxic and antioxidant activities of three Tanacetum L Taxa from Turkey**
ARITULUK Z. C., AKKULAK M., KARAKURT S., ADALI O., GENÇLER ÖZKAN A. M.
5th International Molecular Biology and Biotechnology Congress, ÜSKÜP, Macedonia, 25 - 29 August 2016
- XVII. **Analysis of Glutathione S Transferase 1 GSTO1 ALA140ASP Genetic Polymorphism in Turkish Population**
BİLGİN E., CAN DEMİRDÖĞEN B., DEMİRKAYA Ş., ADALI O.
ICBMB 2016 International Conference on Biochemistry and Molecular Biology, VENEĐİK, Italy, 27 - 29 April 2016
- XVIII. **Association analysis of CYP24A1 rs927650 polymorphism and ischemic stroke risk in Turkish Population**
BİLGİN E., TUĞÇE Ö., CAN DEMİRDÖĞEN B., ADALI O.
The International Conference On Science, Ecology And Technology I (Iconsete'2015), VİYANA, Austria, 25 - 28 August 2015
- XIX. **Medicinal plants Epilobium Hirsutum L and Viscum Album L alter protein and mRNA expressions of rat liver bile acid synthesizing CYP7A1**
ÇULCU T., ÖZKAN A. M. G., ŞEN A., ADALI O.
13. EUROPEAN ISSX MEETING, GLASKOW, United Kingdom, 22 - 25 June 2015
- XX. **Association analysis of GSTO2 Asn142Asp genetic polymorphism and ischemic stroke risk in Turkish population**
CAN DEMİRDÖĞEN B., Bilgin E., Ozcelik A., Demirkaya S., ADALI O.
FEBS EMBO 2014 Conference, Paris, France, 30 August - 04 September 2014, vol.281, pp.100
- XXI. **Effects of plant phenolic compounds tannic acid and resveratrol on prostate cancer metastasis**
KARAKURT S., AKKULAK M., EVİN E., ADALI O.
FEBS EMBO 2014 Conference, Paris, France, 30 August - 04 September 2014, vol.281, pp.460

- XXII. **Cytotoxic effect of two endemic subspecies of *Tanacetum praeteritum* (Horw.) Hey-wood (Asteraceae) from Turkey on cervical carcinoma**
ARITULUK Z. C., KARAKURT S., Ezer N., ADALI O., Gencler-Ozkan A. M.
FEBS EMBO 2014 Conference, Paris, France, 30 August - 04 September 2014, vol.281, pp.556
- XXIII. **Modulation of protein and mRNA expressions of rat liver vitamin D3 metabolizing CYP27B1 by o-coumaric acid**
ADALI O., Sever M., Karakurt S., ŞEN A.
38th Congress of the Federation-of-European-Biochemical-Societies (FEBS), Saint Peter, Guernsey And Alderney, 6 - 11 July 2013, vol.280, pp.174-175
- XXIV. **Idiopathic generalized epilepsy and gamma amino butyric acid (GABA) B1 receptor genetic polymorphisms (G1465a and C59T) in Turkish population**
Demirdogen B. C., Eroglu E., Micoogullari Y., Bek S., ADALI O.
22nd IUBMB Congress/37th FEBS Congress, Sevilla, Spain, 4 - 09 September 2012, vol.279, pp.316-317
- XXV. **Association between nitric oxide synthase 3 G894T and intron 4 VNTR genetic polymorphisms and ischemic stroke risk in Turkish population**
Ozcelik A. T., Demirdogen B. C., Akgun H., Bek S., Demirkaya S., ADALI O.
22nd IUBMB Congress/37th FEBS Congress, Sevilla, Spain, 4 - 09 September 2012, vol.279, pp.193
- XXVI. **The effects of folk medicinal plant *viscum album l.* On protein and mRNA expressions of CYP27A1 in rat liver**
Culcu T., Gencler-Ozkan A. M., ŞEN A., ADALI O.
22nd IUBMB Congress/37th FEBS Congress, Sevilla, Spain, 4 - 09 September 2012, vol.279, pp.97
- XXVII. **In vivo effect of *epilobium hirsutum* on xenobiotic metabolising CYP2E1, CYP1A1, glutathione peroxidase and NAD(P)H:quinone oxidoreductase 1 enzymes in rat liver**
Karakurt S., SEMİZ A., Celik G., Gencler-Ozkan A. M., ŞEN A., ADALI O.
22nd IUBMB Congress/37th FEBS Congress, Sevilla, Spain, 4 - 09 September 2012, vol.279, pp.90
- XXVIII. **Effects of ellagic acid on CYP2E1, CYP1A1, CYP1A2, NQO1 and GSTMu enzymes in rat**
Sen A., Celik G., Semiz A., Karakurt S., Adali O.
36th FEBS Congress of the Biochemistry for Tomorrows Medicine, Torino, Italy, 25 - 30 June 2011, vol.278, pp.241
- XXIX. **Modulations of drug metabolizing enzymes by in vivo treatment of *epilobium hirsutum* extract in rat**
Ozyurt R., Semiz A., Celik G., Karakurt S., Arslan S., Gencler-Ozkan A. M., Adali O., Sen A.
36th FEBS Congress of the Biochemistry for Tomorrows Medicine, Torino, Italy, 25 - 30 June 2011, vol.278, pp.225-226
- XXX. **Genetic polymorphisms of the human cytochrome p450e1 and nad(p)h: quinon-e oxidoreductase 1 genes and susceptibility to ischemic stroke**
Ozcelik A. T., Micoogullari Y., Demirdogen B. C., Akgun H., Bek S., Demirkaya S., ADALI O.
36th FEBS Congress of the Biochemistry for Tomorrows Medicine, Torino, Italy, 25 - 30 June 2011, vol.278, pp.277
- XXXI. **Antioxidant capacity of *epilobium hirsutum* in rats**
Todurga Z. G., Adali O., Celik G., Karakurt A. S. S., Sen A.
36th FEBS Congress of the Biochemistry for Tomorrows Medicine, Torino, Italy, 25 - 30 June 2011, vol.278, pp.235
- XXXII. **Analysis of microsomal epoxide hydrolase tyr113his and his139ARG genotypes with ischemic stroke risk in Turkish population**
Micoogullari Y., Eroglu E., Ozcelik A. T., Demirdogen B. C., Akgun H., Demirkaya S., ADALI O.
36th FEBS Congress of the Biochemistry for Tomorrows Medicine, Torino, Italy, 25 - 30 June 2011, vol.278, pp.268-269
- XXXIII. **Effect of ellagic acid on p53 and PTEN in various cell lines**
Gul O. A., Celik G., Akca H., Adali O., Sen A.
36th FEBS Congress of the Biochemistry for Tomorrows Medicine, Torino, Italy, 25 - 30 June 2011, vol.278, pp.209
- XXXIV. **Effect of ellagic acid and tannic acid on xenobiotic metabolizing cytochrome P450 and flavin monooxygenase enzymes in rabbit liver**
Karakurt S., ADALI O.
36th FEBS Congress of the Biochemistry for Tomorrows Medicine, Torino, Italy, 25 - 30 June 2011, vol.278, pp.330

- XXXV. **In vivo effects of epilobium hirsutum extract on different glutathione transferase isozymes**
Semiz A., Celik G., Karakurt S., Arslan S., Gencler-Ozkan A. M., Adali O., Sen A.
36th FEBS Congress of the Biochemistry for Tomorrows Medicine, Torino, Italy, 25 - 30 June 2011, vol.278, pp.233
- XXXVI. **THE ROLE OF SULT1A1 AND EPHX1 POLYMORPHISMS AS RISK MODIFIERS IN CHILDHOOD ACUTE LYMPHOBLASTIC LEUKEMIA IN TURKISH POPULATION: A CASE-CONTROL STUDY**
Tumer T. B., Ulusoy G., ADALI O., Sahin G., Arinc E.
10th European Regional Meeting of the International-Society-for-the-Study-of-Xenobiotics, Vienna, Austria, 18 - 21 May 2008, vol.40, pp.141-142
- XXXVII. **SIGNIFICANCE OF CYP2E1 AND NQO1 POLYMORPHISMS IN THE RISK OF DEVELOPMENT OF CHILDHOOD ACUTE LYMPHOBLASTIC LEUKEMIA**
Ulusoy G., Tumer T. B., ADALI O., Sahin G., Arinc E.
10th European Regional Meeting of the International-Society-for-the-Study-of-Xenobiotics, Vienna, Austria, 18 - 21 May 2008, vol.40, pp.134-135
- XXXVIII. **PON1 192RR genotype is a risk factor for ischemic stroke**
Demirdogen B. C., Turkanoglu A., Bek S., Demirkaya S., Vural O., Arinc E., ADALI O.
32nd Congress of the Federation-of-European-Biochemical-Societies (FEBS), Vienna, Austria, 7 - 12 July 2007, vol.274, pp.286
- XXXIX. **A comparative study on human serum paraoxonase 1 and arylesterase: effects of metals on enzyme activity**
Demirdogen B. C., Turkanoglu A., Kalin C., Sahin E., Arinc E., Adali O.
31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.141
- XL. **Carcinogen-activating cytochrome P4502E1 variants in Turkish population**
Ulusoy G., Arinc E., Adali O.
31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.259
- XLI. **Additive effects of benzene and alloxan-induced diabetes on carcinogenic potential of nitrosodimethylamine in liver**
Arslan S., Adali O., Arinc E.
31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.206
- XLII. **Genetic polymorphisms of thiopurine methyltransferase enzyme in children with acute lymphoblastic leukemia in Turkish population: A preliminary study on TPMT*3A and TPMT*3C alleles**
Turner T. B., Adali O., Ulusoy G., Arinc E., Sahin G., Gozdasoglu S.
14th North American Meeting of the International-Society-for-the-Study-of-Xenobiotics, Rio-Grande, Brazil, 22 - 26 October 2006, vol.38, pp.205
- XLIII. **CYP2E1 *5B and *6 polymorphisms are possible risk factors in the development of childhood acute lymphoblastic leukemia**
Ulusoy G., Adali O., Tumer T. B., Sahin G., Gozdasoglu S., Arinc E.
9th European Meeting of the International-Society-for-the-Study-of-Xenobiotics (ISSX), Manchester, United Kingdom, 4 - 07 June 2006, vol.38, pp.21-22
- XLIV. **Diabetes potentiates metabolic activation of procarcinogen nitrosodimethylamine not only in rabbit liver but also in lung and kidney**
Arslan S., Adali O., Arinc E.
7th European ISSX Meeting, Vancouver, Canada, 29 August - 02 September 2004, vol.36, pp.194
- XLV. **FURTHER CHARACTERIZATION OF SHEEP LUNG CYTOCHROME P450LGM2**
ADALI O., ARINC E.
7TH INTERNATIONAL CONFERENCE ON BIOCHEMISTRY AND BIOPHYSICS OF CYTOCHROME P-450 : STRUCTURE AND FUNCTION BIOTECHNOLOGICAL AND ECOLOGICAL ASPECTS, Moscow, Russia, 28 July - 02 August 1991, pp.51-53
- XLVI. **CHARACTERIZATION OF SHEEP LUNG CYTOCHROME-P-450 ISOZYME-2**

ADALI O., ARINC E.

6TH INTERNATIONAL CONF ON BIOCHEMISTRY AND BIOPHYSICS OF CYTOCHROME P-450, Vienna, Austria, 3 - 08
July 1988, pp.101-104

Supported Projects

ADALI O., AKKULAK M., POLAT J. M., TÜRKÖZ O., Project Supported by Higher Education Institutions, Antipsikotik ilaç klorpromazinin potansiyel antikanser etki mekanizmasının insan glioblastom hücre hattında nitrik oksit sentaz enzimleri ve nitrik oksit seviyesine bakılarak araştırılması, 2023 - Continues

ADALI O., ÇABUK D., Project Supported by Higher Education Institutions, Antidepresan ilaçlar imipramin ve klorpromazinin antianjiyogenik etkilerinin glioblastoma hücre hatlarında incelenmesi, 2023 - Continues

Akkulak M., Adali O., Yılmaz E., Acar A., Derkuş B., TÜBİTAK - AB COST Project, Tümör-İliskili Makrofajların Eksozom Aracılı Post-Tümörijenik Etki Mekanizmalarının Kolorektal Kanser Modelinde In Vitro Ve In Vivo Düzeyde Detaylı Olarak İncelenmesi, 2023 - 2026

ADALI O., SOLAK D., Project Supported by Higher Education Institutions, İnflamasyonla İlişkili CYP2E1 ve CYP1A1 Ekspresyonunun Deneysel Otoimmün Ensefalomyelit Multipl Skleroz Fare Modelinde Araştırılması, 2022 - 2023

Adalı O., Akkulak M., TUBITAK Project, Cyp2w1 Geninin Metastaz Sürecindeki Rolünün RNA İnterferans (RNAi) Yöntemi İle Susturularak İncelenmesi, 2021 - 2022

ADALI O., DURUKAN Ö., AKKULAK M., EVİN E., Project Supported by Higher Education Institutions, CYP4X1 geninin beyin tümörü anjiyogenezindeki rolünün RNA interferans (RNAi) yöntemi ile susturularak incelenmesi, 2021 - 2022

ADALI O., AKKULAK M., EVİN E., DURUKAN Ö., Project Supported by Higher Education Institutions, CYP2W1 geninin RNA interferans (RNAi) yöntemi ile susturularak epitelyal mezenkimal geçişteki rolünün kolon kanser hücre hattında incelenmesi, 2020 - 2021

ADALI O., AKKULAK M., Project Supported by Higher Education Institutions, Benzimidazol ve Benzotiyazol Türevlerinin Antikanser Etkilerinin İnsan Adenokarsinom Hücrelerinde Araştırılması, 2020 - 2021

Adalı O., Can Demirdöğen B., TUBITAK Project, Nötrofil ER Stresi İle Plazma ve Nötrofil Fortilin Seviyesinin Relapsing Remitting Multipl Sklerozda Ataklarda Kortikosteroidlerin Atak Önlemede 1. ve 2. Basamak Tedavilerin Etkinliğinin Değerlendirilmesinde Biyobelirteç Olarak Kullanımının Araştırılması, 2019 - 2021

ADALI O., TUBITAK Project, Vitamin D, Vitamin D Reseptörü ve Vitamin D Metabolizmasında Rol Alan CYP450 İzoenzimlerinin Hayvan Modelinde Multipl Skleroz (MS) Hastalığının Patofizyolojisine Etkilerinin Moleküler Düzeyde Araştırılması, 2018 - 2021

Adalı O., Evin E., Akkulak M., Çulcu T., Özyel B., Project Supported by Higher Education Institutions, Beslenme alışkanlığında Kurkumin bileşiğinin kolon kanseri üzerine etkilerinin araştırılması, 2018 - 2019

ADALI O., BULUT G., Project Supported by Higher Education Institutions, D VİTAMİNİ METABOLİZMASINDA ROL ALAN CYP24A1, CYP2R1 CYP27A1, CYP27B1 VE D VİTAMİNİ RESEPTÖRÜNÜN GENETİK POLİMORFİZİMLERİNİN TÜRK POPULASYONUNDA MULTİPL SKLEROZ RİSKİ İLE İLİŞKİSİ, 2018 - 2019

ADALI O., DURUKAN Ö., Project Supported by Higher Education Institutions, CİSPLATİN METFORMİN İLAÇ KOMBİNASYONUNUN ETKİLERİNİN KANSER MODELİ OLUŞTURULMUŞ FARELERE UYGULANMASI VE PROSTAT DUKULARINDAKİ ETKİLERİNİN MOLEKÜLER DÜZEYDE İNCELENMESİ, 2018 - 2019

ADALI O., AKKULAK M., Project Supported by Higher Education Institutions, CYP24A1 İNHİBİTÖRÜ OLABİLECEK AZOLE VE İMİDAZOL TÜREVLERİNİN ETKİ VE ÖZGÜLLÜKLERİNİN DEĞERLENDİRİLMESİ, 2018 - 2019

ADALI O., EVİN E., Project Supported by Higher Education Institutions, VİTAMİN D VE VİTAMİN D METABOLİZMASINDA ROL ALAN CYP450 İZOENZİMLERİNİN HAYVAN MODELİNDE MULTİPL SKLEROZ HASTALIĞININ PATOFİZYOLOJİSİNE ETKİLERİNİN MOLEKÜLER DÜZEYDE ARALTIRILMASI, 2018 - 2019

ADALI O., GJOTA ERGİN S., Project Supported by Higher Education Institutions, MEKANSAL ÖĞRENME ESNASINDA ANTİDEPRASANLARIN SIÇAN HİPOKAMPÜSÜNDEKİ BAZI SİTOKROM P450 İZOFORMLARININ EKSPRESYONUNUN ÜZERİNDEKİ ETKİLERİNİN ARAŞTIRILMASI, 2018 - 2019

ADALI O., ARCAK D., Project Supported by Higher Education Institutions, FİBROBLAST HÜCRE HATTINDA YUMURTA SARISI YAĞININ KOLAJEN, LAMİNİN VE MRNA EKSPRESYONU ÜZERİNE ETKİSİ, 2018 - 2019

ADALI O., AKKULAK M., DURUKAN Ö., EVİN E., GÜRAY N. T., Project Supported by Higher Education Institutions,

Hekzokinaz II proteininin prostat kanseri hücre hatlarındaki ekspresyonunun antidiyabet ve antikanser ilaç kombinasyonlarına bağlı değişimi, 2018 - 2019

Adalı O., Karakurt S., TÜBİTAK - AB COST Project, Aldosteron Metabolizmasının Regülasyonunda miRNA'ların Etkilerinin İncelenmesi, 2015 - 2018

GÜRAY N. T., ADALI O., SARAÇ B. E., ÇÖPOĞLU H., EVİN E., Project Supported by Higher Education Institutions, Bor'un toksik etki mekanizmalarının in vitro düzeyinde araştırılması, 2017 - 2017

ADALI O., Project Supported by Higher Education Institutions, CYP24A1 İNHİBİTÖRÜ OLABİLECEK AZOLE VE İMİDAZOL TÜREVLERİNİN ETKİ VE ÖZGÜLLÜKLERİNİN DEĞERLENDİRİLMESİ, 2017 - 2017

ADALI O., Project Supported by Higher Education Institutions, VİTAMİN D VE VİTAMİN D METABOLİZMASINDA ROL ALAN CYP450 İZOENZİMLERİNİN HAYVAN MODELİNDE MULTİPL SKLEROZ HASTALIĞININ PATOFİZYOLOJİSİNE ETKİLERİNİN MOLEKÜLER DÜZEYDE ARALTIRILMASI, 2017 - 2017

ADALI O., Project Supported by Higher Education Institutions, D VİTAMİNİ METABOLİZMASINDA ROL ALAN CYP24A1, CYP2R1 CYP27A1, CYP27B1 VE D VİTAMİNİ RESEPTÖRÜNÜN GENETİK POLİMORFİZİMLERİNİN TÜRK POPULASYONUNDA MULTİPL SKLEROZ RİSKİ İLE İLİŞKİSİ, 2017 - 2017

ADALI O., Project Supported by Higher Education Institutions, CİSPLATİN METFORMİN İLAÇ KOMBİNASYONUNUN ETKİLERİNİN KANSER MODELİ OLUŞTURULMUŞ FARELERE UYGULANMASI VE PROSTAT DULULARINDAKİ ETKİLERİNİN MOLEKÜLER DÜZEYDE İNCELENMESİ, 2017 - 2017

ADALI O., Project Supported by Higher Education Institutions, MEKANSAL ÖĞRENME ESNASINDA ANTİDEPRASANLARIN SIÇAN HİPOKAMPÜSÜNDEKİ BAZI SİTOKROM P450 İZOFORMLARININ EKSPRESYONUNUN ÜZERİNDEKİ ETKİLERİNİN ARAŞTIRILMASI, 2017 - 2017

ADALI O., BULUT G., EVİN E., DEMİRKAYA (GATA NÖROLOJİ) P. D. Ş., Project Supported by Higher Education Institutions, MULTİPL SKLEROZ HASTALIK RİSKİ İLE D VİTAMİNİ METABOLİZMASINDA ROL ALAN CYP450 ENZİMLERİNİN VE D VİTAMİNİ RESEPTÖRÜNÜN GENETİK POLİMORFİZİMLERİ ARASINDAKİ İLİŞKİNİN TÜRK POPULASYONUNDA İNCELENMESİ, 2016 - 2016

GÜRAY N. T., ADALI O., Project Supported by Higher Education Institutions, ODTÜ Kampüsü'nde bulunan endemik bir tür olan Salvia absconditiflora (adaçayı) bitkisinin antimikrobiyal, antioksidan ve sitotoksik etkilerinin incelenmesi, 2016 - 2016

ADALI O., CAN DEMİRDÖĞEN (TOBB ÜNİV.) D. D. B., EVİN E., EVİN E., DEMİRKAYA (GATA NÖROLOJİ) P. D. Ş., DURUKAN Ö., Project Supported by Higher Education Institutions, Vitamin D, Vitamin D Reseptörü ve Vitamin D Metabolizmasında Rol Alan CYP450 İzozimlerinin Hayvan Modelinde Multipl Skleroz (MS) Hastalığının Patofizyolojisine Etkilerinin Moleküler Düzeyde Araştırılması, 2016 - 2016

ADALI O., ÖNER T., Demirkaya (GATA Nöroloji) P. D. Ş., Demirdöğen (TOBB) D. D. B. C., Project Supported by Higher Education Institutions, İskemik inme riski ile kolesterolü metabolize eden sitokrom P450lerin genetik polimorfizimleri arasındaki ilişkinin incelenmesi, 2015 - 2016

ADALI O., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

ADALI O., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

ADALI O., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

ADALI O., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

ADALI O., ÇULCU T., Şen A., GÜRAY N. T., Project Supported by Higher Education Institutions, Yerel tıbbi bitki Viscum album L.'un safra asit sentez ve metabolizmasından sorumlu sitokrom P450 7A1 ve 27A1 enzimlerine etkilerinin moleküler düzeyde incelenmesi, 2015 - 2015

ADALI O., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

ADALI O., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

ADALI O., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

ADALI O., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

ADALI O., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

ADALI O., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

ADALI O., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

ADALI O., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

ADALI O., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

ADALI O., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

ADALI O., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

ADALI O., Öner T., Project Supported by Higher Education Institutions, Vitamin D metabolizmasında rol oynayan CYP450 enzimlerinin polimorfizmleri ile iskemik inme riski ilişkisinin araştırılması, 2013 - 2014

ADALI O., GÜRAY N. T., Project Supported by Higher Education Institutions, Doğal olarak bulunan ellajik asit, kuersetin, naringenin, resveratrol, rutin ve hesperidin gibi polifenolik bileşiklerin ilaç metabolizmasında rol oynayan Glutasyon S-Transferaz ve NAD(P):Kuinon Oksidoredüktaz 1 enzim aktiviteleri üzerine etkileri, 2013 - 2014

ADALI O., ÖNER T., Project Supported by Higher Education Institutions, GLUTAMAT DEKARBOKSİLİZ GENETİK POLİMORFİZMLERİ İLE İDİYOPATİK JENERALİZE EPİLEPSİ ARASINDAKİ İLİŞKİNİN ARAŞTIRILMASI, 2013 - 2013

ADALI O., EVİN E., Project Supported by Higher Education Institutions, İLAÇ METABOLİZMASINI ÇALIŞMAK AMACIYLA KARACİĞER HÜCRE KÜLTÜRÜNDE FAZ I ENZİMLERİN AKTİVİTELERİNİN İNCELENMESİ, 2013 - 2013

ADALI O., BİLGİN E., Project Supported by Higher Education Institutions, GLUTATYON S- TRANSFERAZ OMEGA 1 VE 2 GENETİK POLİMORFİZİMLERİ İLE TÜRK POPULASYONUNDA İSKEMİK İNME RİSKİ İLİŞKİSİNİN ARAŞTIRILMASI, 2013 - 2013

ADALI O., Project Supported by Higher Education Institutions, Tıbbi Bitki Epilobium Hirsutum'un Sulu Ekstresinin Sıçan Karaciğer Mikrozomal Flavin Monooksijenaz 3 (fmo3) Enzim Ekspresyonu Üzerine Etkisinin İncelenmesi, 2011 - 2011

ADALI O., Project Supported by Higher Education Institutions, Tıbbi Bitki Epilobium Hirsutum'un Sulu Ekstresinin Sıçan Karaciğer Mikrozomal Flavin Monooksijenaz Enzimi Üzerine Etkisi, 2010 - 2010

ADALI O., Project Supported by Higher Education Institutions, Fenolik Bileşik Tannik Asitin Tavşen Karaciğer Ve Böbreğinde Sitokrom P450 Bağımlı Anilin 4-Hidroksilaz Ve Etilmorfin N-Demetilaz Enzim Aktiviteleri Üzerine Etkisi, 2009 - 2009

ADALI O., Project Supported by Higher Education Institutions, İskemik İnme Riski İle Paraoksanaz Ve Apolipoprotein A5 Gibi Proteinlerin Gen Polimorfizmleri Arasındaki İlişkinin İncelenmesi, 2008 - 2009

Activities in Scientific Journals

Turkish Journal of Zoology, Committee Member, 2019 - Continues

Scientific Refereeing

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, December 2020

TUBITAK Project, 2223 - Domestic Scientific Activities Support Program, Middle East Technical University, Turkey, May 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, December 2019

Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, September 2019

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, September 2019

Project Supported by Higher Education Institutions, BAP MSc, Middle East Technical University, Turkey, May 2019

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, March 2019

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Middle East Technical University, Turkey, January 2019

TUBITAK Project, 1002 - Quick Support Program, TÜBİTAK ARDEB, Turkey, December 2018

TUBITAK Project, 1002 - Quick Support Program, TÜBİTAK ARDEB, Turkey, September 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, TÜBİTAK ARDEB, Turkey, June 2018

Metrics

Publication: 104

Citation (WoS): 710

Citation (Scopus): 735

H-Index (WoS): 17

H-Index (Scopus): 17

Non Academic Experience

ORTA DOĞU TEKNİK ÜNİVERSİTESİ