

Prof. ORHAN ADALI

Personal Information

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International Researcher IDs

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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

Adali 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 CYPs**
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.
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- XLIX. **Tissue- and species-dependent expression of sheep lung microsomal cytochrome p4502B(LgM2)**
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Non Academic Experience

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