

Prof. ALAATTİN ŞEN

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Biography

Professor Dr. Alaattin ŞEN was born in the village of Ahmetler, Eşme district of Uşak in 1966. He received his B.S. degree in Biology from the Middle East Technical University (METU) in 1989, graduating as his class valedictorian. In the same year, he started his academic career as a research assistant and began his graduate education at METU.

He received his Master's degree in Biology in 1991 and Ph.D. in Biochemistry in 1997 from Graduate School of Natural Sciences at METU. His doctoral thesis was awarded as the thesis of the year by METU Mustafa Parlar Foundation. In the same year, he was also awarded by the 'Outstanding Young Scientist Award' of Turkish Academy of Sciences (TUBA). In 1997, he started to work as an Assistant Professor in the Department of Chemistry at Pamukkale University (PAU) and worked as a postdoctoral researcher for nine months at the Oregon State University in the United States under the support of the Postdoctoral Research Fellowship (TUBITAK NATO-B1).

After being Associate Professor in November 1999, he joined the Biology Department at PAU in 2000. He served as a guest lecturer at the Oregon State University in the United States for a year from 2001-2002 and became a Professor in February 2006. Between the years of 2005-2011, he served as an Executive Committee Member of the of the Basic Scientific Research Group of TÜBİTAK. Since January 2017, he has been serving as the Biological Hazards Commission Member of Food, Agriculture and Livestock Ministry, General Directorate of Food Control, and Risk Assessment Department. He has supervised many projects and thesis. He has been involved in numerous national and several international projects as principal investigator. He has published over 50 international scientific articles and 80 reports, in the indexed journals (SCI). He is the editor of the three chapters in the printed books. He is the chief editor of the Turkish Journal of Biology since March 2018 and the editorial board member of two other indexed international journals. He speaks English well. He is married and father of two children.

He has held senior management positions at Pamukkale Universities including the faculty dean. He is currently working in the Department of Molecular Biology & Genetics at the Faculty of Life and Natural Science at Abdullah Gül University, and also holding the Dean position.

Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biochemistry, Turkey
1991 - 1997

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biology, Turkey 1989 -
1991

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Biology, Turkey 1984 - 1989

Dissertations

Doctorate, Purification and characterization of cytochrome P4501A1 and cytochrome P450 reductase from feral leaping mullet (*Liza saliens*) liver, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biochemistry, 1997

Postgraduate, Effects of benzocaine, benzene, and benzo(a)pyrene on gilthead seabream (*Sparus aurata*; Sparidae) liver microsomal mixed function oxidase system, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biology, 1991

Research Areas

Biochemistry, Molecular Biology and Genetics

Academic Titles / Tasks

Professor, Abdullah Gul University, Yaşam Ve Doğa Bilimleri Fakültesi, Moleküler Biyoloji Ve Genetik, 2019 - Continues

Professor, Pamukkale University, Faculty Of Arts And Sciences, Department Of Biology, 2006 - Continues

Associate Professor, Pamukkale University, Faculty Of Arts And Sciences, Department Of Biology, 2000 - 2006

Researcher, Oregon State University, Agricultural & Life Sciences, Environmental and Molecular Toxicology, 2001 - 2002

Assistant Professor, Pamukkale University, Faculty Of Arts And Sciences, Department Of Chemistry, 1997 - 2000

Assistant Professor, Oregon State University, Agricultural & Life Sciences, Agricultural Chemistry, 1997 - 1998

Research Assistant PhD, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Biology, 1997 - 1997

Research Assistant, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Biology, 1989 - 1997

Researcher, The Weizmann Institute of Science, Hormone Research Center, 1990 - 1990

Academic and Administrative Experience

BAP Coordinator, Abdullah Gul University, 2020 - Continues

Dean, Abdullah Gul University, Yaşam Ve Doğa Bilimleri Fakültesi, Moleküler Biyoloji Ve Genetik, 2019 - Continues

Head of Department, Pamukkale University, Faculty Of Arts And Sciences, Department Of Biology, 2000 - 2019

Vice Rector, Pamukkale University, 2016 - 2016

Dean, Pamukkale University, Faculty Of Arts And Sciences, 2016 - 2016

Fakülte Yönetim Kurulu Üyesi, Pamukkale University, Faculty Of Arts And Sciences, Department Of Biology, 2012 - 2015

Fakülte Kurulu Üyesi, Pamukkale University, Faculty Of Arts And Sciences, Department Of Biology, 2000 - 2012

Head of Department, Pamukkale University, Faculty Of Arts And Sciences, Department Of Biology, 2000 - 2012

Assistant Director of the Institute, Pamukkale University, Institute Of Science, 2003 - 2006

Enstitü Yönetim Kurulu Üyesi, Pamukkale University, Institute Of Science, 2002 - 2006

Deputy Head of Department, Pamukkale University, Faculty Of Arts And Sciences, Department Of Chemistry, 1998 - 2000

Head of Department, Pamukkale University, Faculty Of Arts And Sciences, Department Of Chemistry, 1997 - 2000

Courses

Biochemistry II, Undergraduate, 2019 - 2020

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Suppression of inflammatory cytokines expression with bitter melon (*Momordica charantia*) in TNBS-instigated ulcerative colitis**
SEMİZ A., Acar O. O. , ÇETİN SORKUN H., SEMİZ G., ŞEN A.
JOURNAL OF TRANSLATIONAL INTERNAL MEDICINE, vol.8, no.3, pp.177-187, 2020 (Journal Indexed in SCI)
- II. **Prophylactic and therapeutic roles of oleanolic acid and its derivatives in several diseases**
ŞEN A.
WORLD JOURNAL OF CLINICAL CASES, vol.8, no.10, pp.1767-1792, 2020 (Journal Indexed in SCI)
- III. **Triterpenoids and steroids isolated from Anatolian *Capparis ovata* and their activity on the expression of inflammatory cytokines**
GAZİOĞLU I., Semen S., Acar O. O. , KOLAK U., Sen A., TOPÇU G.
PHARMACEUTICAL BIOLOGY, vol.58, no.1, pp.925-931, 2020 (Journal Indexed in SCI)
- IV. **Preface**
Sen A.
TURKISH JOURNAL OF BIOLOGY, vol.44, no.3, 2020 (Journal Indexed in SCI)
- V. **Synthesis and initial evaluation of efficacy of olean-12-en-28-ol, 3 beta-pentacosanoate for the symptomatic treatment of multiple sclerosis**
ŞEN A., ŞENOL H., Acar O. O. , Kale E., DAĞ A., TOPÇU G.
FEBS OPEN BIO, vol.9, pp.74, 2019 (Journal Indexed in SCI)
- VI. **Role of cytochrome P450 polymorphisms and functions in development of ulcerative colitis**
ŞEN A., Stark H.
WORLD JOURNAL OF GASTROENTEROLOGY, vol.25, no.23, pp.2846-2862, 2019 (Journal Indexed in SCI)
- 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. , Sen A., ADALI O.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.4, pp.2825-2834, 2019 (Journal Indexed in SCI)
- VIII. **Natural diterpenoid alysine A isolated from *Teucrium alyssifolium* exerts antidiabetic effect via enhanced glucose uptake and suppressed glucose absorption**
Sen A., Ayar B., Yilmaz A., Acar O. O. , Turgut G. C. , TOPÇU G.
TURKISH JOURNAL OF CHEMISTRY, vol.43, no.5, pp.1350-1372, 2019 (Journal Indexed in SCI)
- IX. **Alteration of drug pharmacokinetics with medicinal plant *Viscum album L.* by rendering major cytochrome P450 activities**
Sen A., Celik-Turgut G., Gencler-Ozkan A. M. G. , ADALI O.
FEBS OPEN BIO, vol.8, pp.229, 2018 (Journal Indexed in SCI)
- X. **Synthesis of novel acridine-sulfonamide hybrid compounds as acetylcholinesterase inhibitor for the treatment of alzheimer's disease**
Ulus R., Esirden I., Aday B., Turgut G. C. , Sen A., Kaya M.
MEDICINAL CHEMISTRY RESEARCH, vol.27, no.2, pp.634-641, 2018 (Journal Indexed in SCI)
- XI. **Synthesis and Functional Investigations of Computer Designed Novel Cladribine-Like Compounds for the Treatment of Multiple Sclerosis**
Yavuz S., Cetin A., AKDEMİR A., Doyduk D., Disli A., Celik Turgut G., Sen A., Yildirim Y.
ARCHIV DER PHARMAZIE, vol.350, no.11, 2017 (Journal Indexed in SCI)
- XII. **In vivo examination of the effects of hydroxycinnamic acid on xenobiotic metabolizing and antioxidant enzymes**
Semiz A., Celik-Turgut G., Karakurt S., Akca H., Arslan S., ADALI O., Sen A.
ARCHIVES OF BIOLOGICAL SCIENCES, vol.69, no.1, pp.103-110, 2017 (Journal Indexed in SCI)

- XIII. **Computer design, synthesis, and bioactivity analyses of drugs like fingolimod used in the treatment of multiple sclerosis**
Turgut G. C. , Doyduk D., Yildirim Y., Yavuz S., AKDEMİR A., Disli A., Sen A.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.25, no.2, pp.483-495, 2017 (Journal Indexed in SCI)
- XIV. **The isolation of tetrangomycin from terrestrial Streptomyces sp CAH29: evaluation of antioxidant, anticancer, and anti-MRSA activity**
Ozakin S., Davis R. W. , Umile T. P. , Pirinccioglu N., Kizil M., Celik G., Sen A., Minbiole K. P. C. , Ince E.
MEDICINAL CHEMISTRY RESEARCH, vol.25, no.12, pp.2872-2881, 2016 (Journal Indexed in SCI)
- XV. **Modulatory role of GSTM1 null genotype on the frequency of micronuclei in pesticide-exposed agricultural workers**
Tumer T. B. , Savranoglu S., Atmaca P., Terzioglu G., Sen A., Arslan S.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.32, no.12, pp.1942-1951, 2016 (Journal Indexed in SCI)
- XVI. **Capparis ovata treatment suppresses inflammatory cytokine expression and ameliorates experimental allergic encephalomyelitis model of multiple sclerosis in C57BL/6 mice**
Ozgun-Acar O., Celik-Turgut G., GAZİOĞLU I., KOLAK U., Ozbal S., Ergur B. U. , Arslan S., Sen A., TOPÇU G.
JOURNAL OF NEUROIMMUNOLOGY, vol.298, pp.106-116, 2016 (Journal Indexed in SCI)
- XVII. **Inhibitory action of Epilobium hirsutum extract and its constituent ellagic acid on drug-metabolizing enzymes**
Celik G., Semiz A., Karakurt S., Gencler-Ozkan A. M. , Arslan S., ADALI O., Sen A.
EUROPEAN JOURNAL OF DRUG METABOLISM AND PHARMACOKINETICS, vol.41, no.2, pp.109-116, 2016 (Journal Indexed in SCI)
- XVIII. **Association between herbivore stress and glutathione S-transferase expression in Pinus brutia Ten.**
Semiz A., Celik-Turgut G., Semiz G., Ozgun O., Sen A.
CELLULAR AND MOLECULAR BIOLOGY, vol.62, no.3, pp.89-94, 2016 (Journal Indexed in SCI)
- XIX. **Contribution of ellagic acid on the antioxidant potential of medicinal plant Epilobium hirsutum**
Karakurt S., Semiz A., Celik G., Gencler-Ozkan A. M. , Sen A., ADALI O.
NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.68, no.1, pp.173-183, 2016 (Journal Indexed in SCI)
- XX. **Investigation of Chironomidae (Diptera) relationships using mitochondrial COI gene**
Sari A., Duran M., Sen A., Bardakci F.
BIOCHEMICAL SYSTEMATICS AND ECOLOGY, vol.59, pp.229-238, 2015 (Journal Indexed in SCI)
- XXI. **Cloning and expression of a CYP720B orthologue involved in the biosynthesis of diterpene resin acids in Pinus brutia**
Semiz A., Sen A.
MOLECULAR BIOLOGY REPORTS, vol.42, no.3, pp.737-744, 2015 (Journal Indexed in SCI)
- XXII. **Modulatory actions of o-coumaric acid on carcinogen-activating cytochrome P450 isozymes and the potential for drug interactions in human hepatocarcinoma cells**
Sen A., Terzioglu G., Atmaca P., Celik G., Ozgun O., Arslan S.
PHARMACEUTICAL BIOLOGY, vol.53, no.9, pp.1391-1398, 2015 (Journal Indexed in SCI)
- XXIII. **Anticarcinogenic Effect and Carcinogenic Potential of the Dietary Phenolic Acid: o-Coumaric Acid**
Sen A., Atmaca P., Terzioglu G., Arslan S.
NATURAL PRODUCT COMMUNICATIONS, vol.8, no.9, pp.1269-1274, 2013 (Journal Indexed in SCI)
- XXIV. **Epilobium hirsutum alters xenobiotic metabolizing CYP1A1, CYP2E1, NQO1 and GPx activities, mRNA and protein levels in rats**
Karakurt S., Semiz A., Celik G., Gencler-Ozkan A. M. , Sen A., ADALI O.
PHARMACEUTICAL BIOLOGY, vol.51, no.5, pp.650-658, 2013 (Journal Indexed in SCI)
- XXV. **Association of the CYP1A1*2A, GSTT1 null, GSTM1 null, mEPHX*3, and XRCC1-399 genetic polymorphisms with ulcerative colitis**
Buyukgoze O., Osmanoglu N., Arslan S., Sen A.
INTERNATIONAL JOURNAL OF COLORECTAL DISEASE, vol.28, no.4, pp.593-595, 2013 (Journal Indexed in SCI)
- XXVI. **Investigation of aromatase inhibition by several dietary vegetables in human non-small cell lung cancer cell lines**

Celik G., Akca H., Sen A.

TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.38, no.2, pp.207-217, 2013 (Journal Indexed in SCI)

- XXVII. **A Comparative Study for the Evaluation of Two Doses of Ellagic Acid on Hepatic Drug Metabolizing and Antioxidant Enzymes in the Rat**
Celik G., Semiz A., Karakurt S., Arslan S., ADALI O., Sen A.
BIOMED RESEARCH INTERNATIONAL, vol.2013, 2013 (Journal Indexed in SCI)
- XXVIII. **Assessment of the Sediment Toxicity in Bulgarian and Turkish Rivers Using the Biomarkers in Chironomus riparius Mg. (Diptera: Chironomidae)**
Duran M., Michailova P., Sari A., Ilkova J., Sen A., Karadurmus E.
ACTA ZOOLOGICA BULGARICA, pp.167-173, 2012 (Journal Indexed in SCI)
- XXIX. **Alteration of drug metabolizing enzymes in sulphite oxidase deficiency**
Tutuncu B., Kucukatay V., Arslan S., Sahin B., Semiz A., Sen A.
JOURNAL OF CLINICAL BIOCHEMISTRY AND NUTRITION, vol.51, no.1, pp.50-54, 2012 (Journal Indexed in SCI)
- XXX. **Diverse action of acrylamide on cytochrome P450 and glutathione S-transferase isozyme activities, mRNA levels and protein levels in human hepatocarcinoma cells**
Sen A., Ozgun O., Arinc E., Arslan S.
CELL BIOLOGY AND TOXICOLOGY, vol.28, no.3, pp.175-186, 2012 (Journal Indexed in SCI)
- XXXI. **Structural and functional alterations in salivary gland chromosomes and enzyme activity of Chironomus riparius Mg. (Diptera, Chironomidae) from anthropogenically polluted sites in Bulgaria and Turkey**
Michailova P., Ilkova J., Duran M., Karadurmus E., Berber R., Sen A.
CARYOLOGIA, vol.65, no.2, pp.157-169, 2012 (Journal Indexed in SCI)
- XXXII. **Polycyclic Aromatic Hydrocarbons in Water from the Menderes River, Turkey**
Ardag H., Ozel M. Z. , Sen A.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.86, no.2, pp.221-225, 2011 (Journal Indexed in SCI)
- XXXIII. **Potential Use of the Oligochaete Limnodrilus profundicola V., as a Bioindicator of Contaminant Exposure**
Ozdemir A., Duran M., Sen A.
ENVIRONMENTAL TOXICOLOGY, vol.26, no.1, pp.37-44, 2011 (Journal Indexed in SCI)
- XXXIV. **EROD and metallothionein in Limnodrilus profundicola (Oligochaeta: Tubificidae) as an indicator of pollution exposure in the Curuksu stream of Menderes river, Denizli-Turkey**
Ozdemir A., Duran M., Akyildiz G. K. , Sen A.
DESALINATION AND WATER TREATMENT, vol.26, pp.98-103, 2011 (Journal Indexed in SCI)
- XXXV. **EFFECTS OF CYCLAMEN TROCHOPTERANTHUM ON HEPATIC DRUG-METABOLIZING ENZYMES**
Arslan S., Ozgun O., Celik G., Semiz A., Dusen O., Mammadov R., Sen A.
ARCHIVES OF BIOLOGICAL SCIENCES, vol.63, no.3, pp.545-555, 2011 (Journal Indexed in SCI)
- XXXVI. **Determination of 7-ethoxyresorufin-o-deethylase (EROD) induction in leaping mullet (Liza saliens) from the highly contaminated Aliaga Bay, Turkey**
Sen A., Ulutas O. K. , Tutuncu B., Ertas N., Cok I.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.165, pp.87-96, 2010 (Journal Indexed in SCI)
- XXXVII. **Characterization of drug metabolizing enzymes and assessment of aging in the gilthead seabream (Sparus aurata) liver**
Akdogan H. A. , Sen A.
VETERINARNI MEDICINA, vol.55, no.9, pp.463-471, 2010 (Journal Indexed in SCI)
- XXXVIII. **Drug Interaction Potential of the Seed Extract of Urtica urens L. (Dwarf Nettle)**
Agus H. H. , Tekin P., Bayav M., Semiz A., Sen A.
PHYTOTHERAPY RESEARCH, vol.23, no.12, pp.1763-1770, 2009 (Journal Indexed in SCI)
- XXXIX. **ENVIRONMENTAL AND DIETARY FACTORS ON CANCER WITH REGARD TO CYP450**
Sen A.

IUBMB LIFE, vol.61, no.3, pp.295-296, 2009 (Journal Indexed in SCI)

- XL. **In vivo effects of *Urtica urens* (dwarf nettle) on the expression of CYP1A in control and 3-methylcholanthrene-exposed rats**
Ozkarsli M., Sevim H., Sen A.
XENOBIOTICA, vol.38, no.1, pp.48-61, 2008 (Journal Indexed in SCI)
- XLI. **Effects of metals and detergents on biotransformation and detoxification enzymes of leaping mullet (*Liza saliens*)**
Sen A., Semiz A.
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol.68, no.3, pp.405-411, 2007 (Journal Indexed in SCI)
- XLII. **Determination of heavy metals and EROD induction in mullet from highly contaminated Aliaga Bay, Izmir, Turkey**
Ulutas O. K., Ertas N., Sen A., Tutuncu B., Cok I.
TOXICOLOGY LETTERS, vol.172, 2007 (Journal Indexed in SCI)
- XLIII. **Antioxidant and chemoprotective properties of *Momordica charantia* L. (bitter melon) fruit extract**
Semiz A., Sen A.
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.6, no.3, pp.273-277, 2007 (Journal Indexed in SCI)
- XLIV. **Biochemical characterization and distribution of glutathione S-transferases in leaping mullet (*Liza saliens*)**
Sen A., Kirikbakan A.
Biokhimiya, vol.69, no.9, pp.1223-1232, 2004 (Journal Indexed in SCI)
- XLV. **cDNA-directed expression of a functional zebrafish CYP1A in yeast**
Chung W., Sen A., Wang-Buhler J., Yang Y., Lopez N., Merrill G., Miranda C., Hu C., Buhler D.
AQUATIC TOXICOLOGY, vol.70, no.2, pp.111-121, 2004 (Journal Indexed in SCI)
- XLVI. **Biochemical characterization and distribution of glutathione S-transferases in leaping mullet (*Liza saliens*)**
Sen A., Kirikbakan A.
BIOCHEMISTRY-MOSCOW, vol.69, no.9, pp.993-1000, 2004 (Journal Indexed in SCI)
- XLVII. **Liquid-liquid extraction of transition metal cations by nine new azo derivatives calix[n]arene**
Akdogan A., Deniz M., Cebecioglu S., Sen A., Deligoz H.
SEPARATION SCIENCE AND TECHNOLOGY, vol.37, no.4, pp.973-980, 2002 (Journal Indexed in SCI)
- XLVIII. **Immunohistochemical localization and differential expression of cytochrome P450 3A27 in the gastrointestinal tract of rainbow trout**
Lee S., Hedstrom O., Fischer K., Wang-Buhler J., Sen A., Cok I., Buhler D.
TOXICOLOGY AND APPLIED PHARMACOLOGY, vol.177, no.2, pp.94-102, 2001 (Journal Indexed in SCI)
- XLIX. **Cloning, sequencing, and characterization of CYP1A1 cDNA from leaping mullet (*Liza saliens*) liver and implications for the potential functions of its conserved amino acids**
Sen A., Hu C., Urbach E., Wang-Buhler J., Yang Y., Arinc E., Buhler D.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.15, no.5, pp.243-255, 2001 (Journal Indexed in SCI)
- L. **Further immunochemical and biocatalytic characterization of CYP1A1 from feral leaping mullet liver (*Liza saliens*) microsomes**
Sen A., Arinc E.
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY, vol.126, no.3, pp.235-244, 2000 (Journal Indexed in SCI)
- LI. **Cytochrome P4501A and associated mixed-function oxidase induction in fish as a biomarker for toxic carcinogenic pollutants in the aquatic environment**
Arinc E., Sen A., Bozcaarmutlu A.
PURE AND APPLIED CHEMISTRY, vol.72, no.6, pp.985-994, 2000 (Journal Indexed in SCI)
- LII. **Hepatic cytochrome P4501A and 7-ethoxycorofurin O-deethylase induction in mullet and common sole as an indicator of toxic organic pollution in Izmir Bay, Turkey**
Arinc E., Sen A.

MARINE ENVIRONMENTAL RESEARCH, vol.48, no.2, pp.147-160, 1999 (Journal Indexed in SCI)

- LIII. **Preparation of highly purified cytochrome P4501A1 from leaping mullet (*Liza saliens*) liver microsomes and its biocatalytic, molecular and immunochemical properties**
Sen A., Arinc E.
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY, vol.121, pp.249-265, 1998 (Journal Indexed in SCI)
- LIV. **Purification and Characterization of Cytochrome P450 Reductase from Liver Microsomes of Feral Leaping Mullet (*Liza saliens*)**
Sen A., Arinc E.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.12, no.2, pp.103-113, 1998 (Journal Indexed in SCI)
- LV. **Separation of three P450 isozymes from liver microsomes of gilthead seabream treated with D-NF and partial purification of cytochrome P4501A1**
Sen A., Arinc E.
BIOCHEMISTRY AND MOLECULAR BIOLOGY INTERNATIONAL, vol.41, no.1, pp.131-141, 1997 (Journal Indexed in SCI)
- LVI. **Separation of three P450 isozymes from liver microsomes of gilthead seabream treated with β -NF and partial purification of cytochrome P4501A1**
Şen A., Arinç E.
Biochemistry and Molecular Biology International, vol.41, no.1, pp.131-141, 1997 (Journal Indexed in SCI Expanded)
- LVII. **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 (Journal Indexed in SCI)
- LVIII. **EFFECTS OF IN-VIVO BENZO(A)PYRENE TREATMENT ON LIVER MICROSOMAL MIXED-FUNCTION OXIDASE ACTIVITIES OF GILTHEAD SEABREAM (*SPARUS-AURATA*)**
ARINC E., SEN A.
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-PHARMACOLOGY TOXICOLOGY & ENDOCRINOLOGY, vol.107, no.3, pp.405-414, 1994 (Journal Indexed in SCI)
- LIX. **IN-VIVO EFFECTS OF THE ANESTHETIC, BENZOCAINE, ON LIVER MICROSOMAL CYTOCHROME-P450 AND MIXED-FUNCTION OXIDASE ACTIVITIES OF GILTHEAD SEABREAM (*SPARUS-AURATA*)**
ARINC E., SEN A.
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-PHARMACOLOGY TOXICOLOGY & ENDOCRINOLOGY, vol.107, no.3, pp.399-404, 1994 (Journal Indexed in SCI)
- LX. **EFFECTS OF INVIVO BENZENE TREATMENT ON CYTOCHROME-P450 AND MIXED-FUNCTION OXIDASE ACTIVITIES OF GILTHEAD SEABREAM (*SPARUS-AURATA*) LIVER-MICROSOMES**
ARINC E., SEN A.
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY, vol.104, no.1, pp.61-65, 1993 (Journal Indexed in SCI)
- LXI. **CHARACTERIZATION OF CYTOCHROME-P450 DEPENDENT MIXED-FUNCTION OXIDASE SYSTEM OF GILTHEAD SEABREAM (*SPARUS-AURATA*, *SPARIDAE*) LIVER**
ARINC E., SEN A.
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY B-BIOCHEMISTRY & MOLECULAR BIOLOGY, vol.104, no.1, pp.133-139, 1993 (Journal Indexed in SCI)

Articles Published in Other Journals

1. **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 (Refereed Journals of Other Institutions)

II. A potential therapeutic role in multiple sclerosis for stigmast-5,22-dien-3 beta-ol myristate isolated from *Capparis ovata*

Acar O. O. , GAZİOĞLU I., KOLAK U., Sen A., TOPÇU G.

EUROBIOTECH JOURNAL, vol.1, no.3, pp.241-246, 2017 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Tetrangomycin from *Streptomyces stramineus* CAH29 and its antimicrobial and cytotoxic activities**
Ozakin S., Sen A., Ince E.
European Biotechnology Congress, Athens, Greece, 26 - 28 April 2018, vol.280
- II. **Stigmast-5,22-dien-3 beta-ol myristate isolated from *Capparis ovata* having anti-inflammatory and immunomodulatory actions could be of interest for use in multiple sclerosis**
Sen A., Acar O. O. , GAZİOĞLU I., KOLAK U., TOPÇU G.
European Biotechnology Congress, Dubrovnik, Croatia, 25 - 27 May 2017, vol.256
- III. **Beneficial actions of dichloromethane sub-fraction of the COWE extract for multiple sclerosis: a potential therapeutic role**
Acar O. O. , Sen A., TOPÇU G., GAZİOĞLU I., KOLAK U., Arslan S.
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.358
- IV. **Evaluation of anti-diabetic potential of circiliol and circilineol using CACO2 cell line**
Ayar B., Sen A., TOPÇU G., Yilmaz A.
41st Congress of the Federation-of-European-Biochemical-Societies (FEBS) on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.377
- V. **A promising novel antidiabetic compound: Alysine-A**
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