

Prof. FATMA ARSLAN

Personal Information

Office Phone: [+90 312 202 1518](tel:+903122021518)

Fax Phone: [+90 312 202 2279](tel:+903122022279)

Email: fatma@gazi.edu.tr

Other Email: dr.fatmaarslan@gmail.com

Web: <https://avesis.gazi.edu.tr/fatma>

Address: Fatma ARSLAN Gazi Üniversitesi, Fen Fakültesi Kimya Bölümü 06500 Teknikokullar ANKARA TÜRKİYE

International Researcher IDs

ScholarID: kLg1ERcAAAAJ

ORCID: 0000-0002-3282-6451

Publons / Web Of Science ResearcherID: B-7452-2016

ScopusID: 7003890797

Yoksis Researcher ID: 133551

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1996 - 2004

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 1990 - 1995

Undergraduate, Hacettepe University, Eğitim Fakültesi, Ortaöğretim Fen Ve Matematik Alanlar Eğitimi Bölümü, Turkey 1985 - 1990

Foreign Languages

German, B2 Upper Intermediate

Dissertations

Doctorate, Ksantin tayini için polipirol filme ksantin oksidaz enziminin immobilizasyonu ile yeni bir biyosensör hazırlanması, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2004

Postgraduate, Xantin oksidaz enziminin kanserli dokulardan izolasyonu, saflaştırılması, kinetik ve elektroforetik özelliklerinin incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 1995

Research Areas

Chemistry, Biochemistry

Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Kimya, 2017 - Continues

Associate Professor, Gazi University, Fen Fakültesi, Kimya, 2010 - 2017

Assistant Professor, Gazi University, Fen Fakültesi, Kimya, 2008 - 2010

Research Assistant, Gazi University, Fen Fakültesi, Kimya, 1991 - 2008

Academic and Administrative Experience

Head of Department, Gazi University, Fen Fakültesi, Kimya, 2017 - Continues

Courses

Biyokimya I, Undergraduate, 2023 - 2024

besin kimyası ı, Undergraduate, 2023 - 2024

Enzimoloji, Postgraduate, 2021 - 2022

Besin Kimyası II, Undergraduate, 2020 - 2021

Biyokimya II, Undergraduate, 2020 - 2021

Advising Theses

- Arslan F., Preparation of a novel glucose biosensor modified with ferrocene-attached 4-aminoantipyrine, Postgraduate, A.ERBAŞ(Student), 2023
- Arslan F., PREPARATION OF A TYROSINASE BASED DOPAMINE BIOSENSOR, Postgraduate, M.Ali(Student), 2022
- Arslan F., PREPARATION OF A NEW BISPHENOL A BIOSENSOR WITH MODIFIED CARBON PASTE ELECTRODE, Postgraduate, E.Ezgi(Student), 2022
- ARSLAN F., Preparation Of Biosensor For Bisfenol-A Determination, Postgraduate, H.KOÇAK(Student), 2020
- ARSLAN F., Alzheimer hastalığının teşhisini için asetilkolin biyosensörünün hazırlanması, Postgraduate, O.CAN(Student), 2019
- ARSLAN F., Investigation Of Inhibition Of Acetylcholinesterase Enzyme With New Synthesis Compounds Used In The Treatment Of Alzheimer Disease, Postgraduate, M.ÇAT(Student), 2019
- ARSLAN F., Preparation Of A New Choline Biosensor With Mediator, Postgraduate, R.BASKIN(Student), 2018
- ARSLAN F., Preparation Of A New Biosensor For Phenole Determination, Postgraduate, D.ŞENARSLAN(Student), 2017
- ARSLAN F., A New Laccase-Based Biosensor For Adrenaline Determination, Postgraduate, S.DURMUŞ(Student), 2016
- ARSLAN F., THE DEVELOPMENT OF CHEMICAL METHODS TO PROTECT THE VIABILITY OF PANCREAS ISLET CELL, Doctorate, S.MERCAN(Student), 2016
- ARSLAN F., Preparation of a novel dna biosensor for detection of hepatitis C virus, Doctorate, S.DÖNMEZ(Student), 2014
- ARSLAN F., Preparation Of Amperometric Biosensor With Bienzyme For Acetylcholine Determination, Postgraduate, A.TUĞÇE(Student), 2014
- ARSLAN F., Preparing a biosensor for choline determination by immobilization of choline oxidase in polypyrol-polyvinylsulphonate film, Postgraduate, M.ÖZDEMİR(Student), 2012
- ARSLAN F., Preparing a new biosensor for glucose determination by immobilization of glucose oxidase in polyaniline-polyvinylsulphonate film, Postgraduate, U.BESKAN(Student), 2011
- ARSLAN F., GLUKOZ TAYİNİ İÇİN YENİ BİR BİYOSENSÖR HAZIRLANMASI, Postgraduate, S.USTABAŞ(Student), 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Development of novel biosensor for the ultra-sensitive detection of the endocrine disruptor Bisphenol A and detection of Bisphenol A leakage from some plastic containers
Ergezer E. E., Bodur O. C., Hasanoğlu Özkan E., Sarı N., Arslan F.
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.21, no.1, pp.1-13, 2024 (SCI-Expanded)
- II. A Sensitive Amperometric Biosensor Based on Carbon Dot 3-Chloropropyl-trimethoxysilane Modified Electrode for Detection of Neurotransmitter Dopamine

- Akbıyık M. A., Bodur O. C., Keskin M., Kara M., Dinç S., Arslan H., Özmen M., Arslan F.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.170, no.3, 2023 (SCI-Expanded)
- III. Novel Tyrosinase-Based Bisphenol-A Biosensor for the determination of Bisphenol-A in bracket adhesive in orthodontics
Arslan F., Koçak H., Bodur O. C., Hasanoğlu Özkan E., Arslan B., Sarı N.
MACEDONIAN JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING, vol.41, no.2, pp.229-241, 2022 (SCI-Expanded)
- IV. A sensitive amperometric detection of neurotransmitter acetylcholine using carbon dot-modified carbon paste electrode
Bodur O. C., Dinç S., Özmen M., Arslan F.
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, vol.68, no.1, pp.20-29, 2021 (SCI-Expanded)
- V. Preparation of acetylcholine biosensor for the diagnosis of Alzheimer's disease
Bodur O. C., Hasanoğlu Özkan E., Çolak O., Arslan H., Sarı N., Dişli A., Arslan F.
JOURNAL OF MOLECULAR STRUCTURE, vol.1223, 2021 (SCI-Expanded)
- VI. Development of a Novel Phenylalanine Biosensor for Diagnosis of Phenylketonuria
ARSLAN H., Ünal K., Aynaci Koyuncu E., YILDİRİM E., ARSLAN F.
IEEE SENSORS JOURNAL, vol.20, no.20, pp.12127-12133, 2020 (SCI-Expanded)
- VII. Synthesis, molecular modeling studies, ADME prediction of arachidonic acid carbamate derivatives, and evaluation of their acetylcholinesterase activity
Kalin T. N., KILIÇ D., ARSLAN F., Colak O., ALTUNDAŞ A.
DRUG DEVELOPMENT RESEARCH, vol.81, no.2, pp.232-241, 2020 (SCI-Expanded)
- VIII. Development of choline biosensor using toluidine blue O as mediator
Baskin R., Koyuncu E., ARSLAN H., ARSLAN F.
PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, vol.50, no.3, pp.240-245, 2020 (SCI-Expanded)
- IX. Electrochemical nucleic acid hybridization biosensor based on poly(L-Aspartic acid)-modified electrode for the detection of short oligonucleotide sequences related to hepatitis C virus 1a
DÖNMEZ S., Cagdas L., ARSLAN H., ARSLAN F.
PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, vol.49, no.9, pp.900-907, 2019 (SCI-Expanded)
- X. SYNTHESIS OF NOVEL SCHIFF BASE DERIVATIVES OF TACRINE AND INVESTIGATION OF THEIR ACETYLCHOLINESTERASE INHIBITION POTENCY
Koyuncu E., Yasar A., ARSLAN F., SARI N.
MACEDONIAN JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING, vol.38, no.1, pp.75-84, 2019 (SCI-Expanded)
- XI. NEW MULTIFUNCTIONAL AGENTS AND THEIR INHIBITORY EFFECTS ON THE ACETYLCHOLINESTERASE ENZYME
DİŞLİ A., Gümüş M., Ünal K., SARI N., ARSLAN F.
MACEDONIAN JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING, vol.37, no.1, pp.21-34, 2018 (SCI-Expanded)
- XII. Glucose biosensor based on immobilization of glucose oxidase on a carbon paste electrode modified with microsphere-attached l-glycine
Donmez S., Arslan F., Sarı N., Hasanoğlu Özkan E., Arslan H.
Biotechnology and Applied Biochemistry, vol.64, pp.745-753, 2017 (SCI-Expanded)
- XIII. Development of an acetylcholinesterase-choline oxidase based biosensor for acetylcholine determination
Tunc A. T., Koyuncu E. A., ARSLAN F.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.44, no.7, pp.1659-1664, 2016 (SCI-Expanded)
- XIV. Development of an electrochemical DNA biosensor for detection of specific Mycobacterium tuberculosis sequence based on poly(L-glutamic acid) modified electrode
Yesil M., DÖNMEZ S., ARSLAN F.
JOURNAL OF CHEMICAL SCIENCES, vol.128, no.11, pp.1823-1829, 2016 (SCI-Expanded)
- XV. Sequence-specific label-free nucleic acid biosensor for the detection of the hepatitis C virus

- genotype 1a using a disposable pencil graphite electrode**
DÖNMEZ S., ARSLAN F., ARSLAN H.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.44, no.3, pp.912-917, 2016 (SCI-Expanded)
- XVI. **An amperometric biosensor for L-glutamate determination prepared from L-glutamate oxidase immobilized in polypyrrole-polyvinylsulphonate film**
Simsek S., Aynaci E., ARSLAN F.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.44, no.1, pp.356-361, 2016 (SCI-Expanded)
- XVII. **A Nucleic Acid Biosensor for Detection of Hepatitis C Virus Genotype 1a Using Poly(l-Glutamic Acid)-Modified Electrode**
DÖNMEZ S., ARSLAN F., ARSLAN H.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.176, no.5, pp.1431-1444, 2015 (SCI-Expanded)
- XVIII. **Amperometric biosensing of ethanol based on integration of alcohol dehydrogenase with a Pt/PPy-PVS/MB electrode**
Colak O., ARSLAN F.
TURKISH JOURNAL OF CHEMISTRY, vol.39, no.1, pp.84-95, 2015 (SCI-Expanded)
- XIX. **Immobilization of glucose oxidase attached to new nanospheres including azomethine**
Özdem N., Hasanoğlu Özkan E., Sarı N., Arslan F., Tümtürk H.
MACROMOLECULAR RESEARCH, vol.22, pp.1282-1287, 2014 (SCI-Expanded)
- XX. **An amperometric biosensor for acetylcholine determination prepared from acetylcholinesterase-choline oxidase immobilized in polypyrrole-polyvinylsulphonate film**
Aynaci E., Yasar A., ARSLAN F.
SENSORS AND ACTUATORS B-CHEMICAL, vol.202, pp.1028-1036, 2014 (SCI-Expanded)
- XXI. **An amperometric biosensor for glucose detection from glucose oxidase immobilized in polyaniline-polyvinylsulfonate-potassium ferricyanide film**
ARSLAN F., Beskan U.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.42, no.4, pp.284-288, 2014 (SCI-Expanded)
- XXII. **New aromatic/heteroaromatic propanesulfonylhydrazone compounds: Synthesis, physical properties and inhibition studies against carbonic anhydrase II (CAII) enzyme**
ÖZDEMİR ÖZMEN Ü., Altuntas A., BALABAN GÜNDÜZALP A., ARSLAN F., HAMURCU F.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.128, pp.452-460, 2014 (SCI-Expanded)
- XXIII. **Preparation of carbon paste electrodes including poly(styrene) attached glycine-Pt(IV) for amperometric detection of glucose**
DÖNMEZ S., ARSLAN F., SARI N., Yetim N. K., ARSLAN H.
BIOSENSORS & BIOELECTRONICS, vol.54, pp.146-150, 2014 (SCI-Expanded)
- XXIV. **Glucose biosensor based on the immobilization of glucose oxidase on electrochemically synthesized polypyrrole-poly(vinyl sulphonate) composite film by cross-linking with glutaraldehyde**
Colak O., Yasar A., ÇETE S., ARSLAN F.
ARTIFICIAL CELLS BLOOD SUBSTITUTES AND BIOTECHNOLOGY, vol.40, no.5, pp.354-361, 2012 (SCI-Expanded)
- XXV. **Immobilization of fructose dehydrogenase on electro-chemically synthesized ppy-pvs composite film by cross-linking via glutaraldehyde for determination of fructose**
Colak Z., ARSLAN F., Yasar A.
NEW BIOTECHNOLOGY, vol.29, 2012 (SCI-Expanded)
- XXVI. **An amperometric biosensor for choline determination prepared from choline oxidase immobilized in polypyrrole-polyvinylsulfonate film**
Ozdemir M., ARSLAN F., ARSLAN H.
ARTIFICIAL CELLS BLOOD SUBSTITUTES AND BIOTECHNOLOGY, vol.40, no.4, pp.280-284, 2012 (SCI-Expanded)
- XXVII. **An amperometric biosensor for fish freshness detection from xanthine oxidase immobilized in polypyrrole-polyvinylsulphonate film**
Dolmacı N., ÇETE S., Arslan F., Yasar A.
ARTIFICIAL CELLS BLOOD SUBSTITUTES AND BIOTECHNOLOGY, vol.40, no.4, pp.275-279, 2012 (SCI-Expanded)

- XXVIII. **Preparation of a Polypyrrole-Polyvinylsulphonate Composite Film Biosensor for Determination of Phenol Based on Entrapment of Polyphenol Oxidase**
ARSLAN H., ARSLAN F.
ARTIFICIAL CELLS BLOOD SUBSTITUTES AND BIOTECHNOLOGY, vol.39, no.5, pp.341-345, 2011 (SCI-Expanded)
- XXIX. **An Amperometric Biosensor for Glucose Determination Prepared from Glucose Oxidase Immobilized in Polyaniline-Polyvinylsulfonate Film**
ARSLAN F., Ustabas S., ARSLAN H.
SENSORS, vol.11, no.8, pp.8152-8163, 2011 (SCI-Expanded)
- XXX. **Synthesis, characterization, antibacterial activities and carbonic anhydrase enzyme inhibitor effects of new arylsulfonylhydrazone and their Ni(II), Co(II) complexes**
Ozdemir Ü., ARSLAN F., Hamurcu F.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.75, no.1, pp.121-126, 2010 (SCI-Expanded)
- XXXI. **Preparation of a Polypyrrole-Polyvinylsulphonate Composite Film Biosensor for Determination of Cholesterol Based on Entrapment of Cholesterol Oxidase**
Yildirimoglu F., ARSLAN F., ÇETE S., Yasar A.
SENSORS, vol.9, no.8, pp.6435-6445, 2009 (SCI-Expanded)
- XXXII. **Effect of the Training to the Levels of the Serum Zn and Cu**
Arslan F.
ASIAN JOURNAL OF CHEMISTRY, vol.21, no.3, pp.2189-2192, 2009 (SCI-Expanded)
- XXXIII. **Amperometric Cholesterol Biosensors Based on the Electropolymerization of Pyrrole and Aniline in Sulphuric Acid for the Determination of Cholesterol in Serum**
MUHAMMET S. M., Cete S., Arslan F., Yasar A.
ARTIFICIAL CELLS BLOOD SUBSTITUTES AND BIOTECHNOLOGY, vol.37, no.6, pp.273-278, 2009 (SCI-Expanded)
- XXXIV. **An amperometric biosensor for uric acid determination prepared from uricase immobilized in polyaniline-polypyrrole film**
Arslan F.
SENSORS, vol.8, no.9, pp.5492-5500, 2008 (SCI-Expanded)
- XXXV. **Characterization of protein profiles of Aeromonas hydrophila and Aeromonas caviae isolates from fish**
ERDEM B., YÜCEL N., ARSLAN F.
ARCHIV FÜR LEBENSMITTELHYGIENE, vol.59, no.4, pp.147-150, 2008 (SCI-Expanded)
- XXXVI. **Immobilization of uricase upon polypyrrole-ferrocenium film**
ÇETE S., Yasar A., ARSLAN F.
ARTIFICIAL CELLS BLOOD SUBSTITUTES AND BIOTECHNOLOGY, vol.35, no.6, pp.607-620, 2007 (SCI-Expanded)
- XXXVII. **Antimicrobial effect on bacterial and yeast cells of phenylselenocyanates and comparison with some antibiotics**
Cete S., Ozkan H., Arslan F., Yildirir Y., Yasar A.
ASIAN JOURNAL OF CHEMISTRY, vol.19, no.1, pp.550-554, 2007 (SCI-Expanded)
- XXXVIII. **An amperometric biosensor for uric acid determination prepared from uricase immobilized in polypyrrole film**
Cete S., Yasar A., Arslan F.
ARTIFICIAL CELLS BLOOD SUBSTITUTES AND BIOTECHNOLOGY, vol.34, no.3, pp.367-380, 2006 (SCI-Expanded)
- XXXIX. **An amperometric enzyme electrode for creatine determination prepared by the immobilization of creatinase and sarcosine oxidase in poly(vinylferrocenium)**
Erden P., Pekyaydimci S., Kilic E., Arslan F.
ARTIFICIAL CELLS BLOOD SUBSTITUTES AND BIOTECHNOLOGY, vol.34, no.2, pp.223-239, 2006 (SCI-Expanded)
- XL. **Preparation of Pt/polypyrrole-ferrocene hydrogen peroxide sensitive electrode for the use as a biosensor**
Arslan F., Yasar A., Kilic E.
RUSSIAN JOURNAL OF ELECTROCHEMISTRY, vol.42, no.2, pp.137-140, 2006 (SCI-Expanded)

- XLI. An amperometric biosensor for xanthine determination prepared from xanthine oxidase immobilized in polypyrrole film
 Arslan F., Yasar A., Kilic E.
 ARTIFICIAL CELLS BLOOD SUBSTITUTES AND BIOTECHNOLOGY, vol.34, no.1, pp.113-128, 2006 (SCI-Expanded)
- XLII. The effect of gel composition on the adsorption of invertase on poly(acrylamide/maleic acid) hydrogels
 Arslan F., Tumturk H., Caykara T., SEN M., Guven O.
 FOOD CHEMISTRY, vol.70, no.1, pp.33-38, 2000 (SCI-Expanded)
- XLIII. Immobilization of invertase attached to a granular dimer acid-co-alkyl polyamine
 Tumturk H., Arslan F., Disli A., Tufan Y.
 FOOD CHEMISTRY, vol.69, no.1, pp.5-9, 2000 (SCI-Expanded)

Articles Published in Other Journals

- I. Preparation of carbon paste electrode containing polyaniline-activated carbon composite for amperometric detection of phenol
 Arslan H., Senarslan D., Cevrimli B. S., Zengin H., Uzun D., Arslan F.
 Bulgarian Chemical Communications, vol.50, no.1, pp.16-20, 2018 (Scopus)
- II. The Effect of the Training to the Levels of Selenium and Chromium in Blood
 ARSLAN H., ARSLAN F.
 GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.29, no.3, pp.559-563, 2016 (ESCI)
- III. A New Laccase-Based Biosensor for Epinephrine Determination
 ARSLAN F., Durmus S., Colak O., ARSLAN H.
 GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.28, no.1, pp.1-9, 2015 (ESCI)
- IV. Some Novel Antimicrobial Therapeutic Agents for Acetylcholinesterase Inhibitors; Synthesis of Hydroxyquinoline Ester Involving Amino Acid
 Sakiyan D., Koyuncu E. A., ARSLAN F., Ogutcu H., SARI N.
 GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.28, no.1, pp.11-19, 2015 (ESCI)
- V. Investigation of antimicrobial effects against some microorganisms of aloe vera and Nerium Oleander also examination of the effects on The xanthine oxidase activity in liver tissue treated with cyclosporin
 ÇETE S., ARSLAN F., YAŞAR A.
 G. Ü. Fen Bilimleri Dergisi, 2005 (Peer-Reviewed Journal)

Books & Book Chapters

- I. Biyokimya Laboratuvar Deneyleri,
 YAŞAR A., ARSLAN F., ÇETE S., MUHAMMET S. M.
 gazi, 2007

Refereed Congress / Symposium Publications in Proceedings

- I. Gıdalarda tiramin tayini için biyosensör geliştirilmesi
 Oktay H., Dikim S., Bodur O. C., Sarı N., Arslan F.
 4TH INTERNATIONAL BLACK SEA MODERN SCIENTIFIC RESEARCH CONGRESS, Rize, Turkey, 6 - 07 June 2023,
 vol.1, pp.402-403
- II. 4-Aminoantipiren temelli farklı Schiff bazlarının Glukoz biyosensörü olarak incelenmesi
 Erbaş A., Dikim S., Bodur O. C., Sarı N., Arslan F.

- 5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022) , Ankara, Turkey, 23 - 25 November 2022, vol.1, pp.1717-1718
- III. **Modifiye Karbon Pasta Elektrot ile Yeni Bir Bisfenol A Biyosensörü Hazırlanması**
YİĞİT E. E., HASANOĞLU ÖZKAN E., BODUR O. C., SARI N., ARSLAN F.
14. Ulusal Kimya Mühendisliği Kongresi (UKMK2020), 10-12 Haziran 2021, Konya Teknik Üniversitesi (e-Conference), Konya, Turkey, 10 - 12 June 2021, pp.242
- IV. **PREPARATION OF ACETYLCHOLINE BIOSENSOR FOR THE DIAGNOSIS OF ALZHEIMER'S DISEASE**
BODUR O. C., HASANOĞLU ÖZKAN E., ARSLAN H., SARI N., DİŞLİ A., ARSLAN F.
• International Natural Science Engineering and Material Technologies Conference-NEM 2019, 9 - 10 October 2019
- V. **Preparation of Acetylcholine Biosensor for the Diagnosis of Alzheimer's Disease**
BODUR O. C., HASANOĞLU ÖZKAN E., ÇOLAK Ö., ARSLAN H., SARI N., DİŞLİ A., ARSLAN F.
International Natural Science, Engineering and Materials Technology Conference (NEM 2019), Sep 9-10, İstanbul, TURKEY, İstanbul, Turkey, 9 - 10 September 2019, pp.63
- VI. **Synthesis and Inhibition on the Acetylcholinesterase Enzyme of Piperazine Derivatives Containing Pyrazine**
ÇAT M., HASANOĞLU ÖZKAN E., SARI N., ARSLAN F.
International Natural Science, Engineering and Materials Technology Conference (NEM 2019), Sep 9-10, İstanbul, TURKEY, İstanbul, Turkey, 9 - 10 September 2019, pp.128
- VII. **SYNTHESIS AND INHIBITION ON THE ACETYL CHOLINESTERASE ENZYME OF PIPERAZINE DERIVATIVES CONTAINING PYRAZINE**
Çat M., SARI N., ARSLAN F., Hasanoğlu Özkan E.
International Natural Science, Engineering and Material Technologies Conference, 9 - 10 September 2019
- VIII. **A New Amperometric Biosensor: Carbon Paste Electrode Modified WithCarbon Dots For Determination Of Acetylcholine**
BODUR O. C., DİNÇ S., ÖZMEN M., ARSLAN F.
3. International Conference on Agriculture, Food, Veterinary and Pharmacy Sciences, 16 - 18 April 2019
- IX. **Preparation of a new modified carbon paste electrode with hydrogen peroxide sensitive**
BODUR O. C., HASANOĞLU ÖZKAN E., ARSLAN H., SARI N., DİŞLİ A., ARSLAN F.
1st Eurasia Biochemical Approaches Technologies (ebat) congress, 27 - 30 November 2018
- X. **Synthesis and Application of Novel Acetylcholinesterase Inhibitors**
DOĞANER M., HASANOĞLU ÖZKAN E., SARI N., ARSLAN F.
12th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 26 - 29 June 2018
- XI. **PREPARATION OF A NEW MODIFIED CARBON PASTE ELECTRODE FOR ADRENALINE DETERMINATION**
ÇAPAN T., UZUN D., HASANOĞLU ÖZKAN E., SARI N., ARSLAN F., ARSLAN H.
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
- XII. **Synthesis and Application of Novel Acetylcholinesterase Inhibitors,**
Doğaner M., Hasanoğlu Özkan E., SARI N., ARSLAN F.
12th International Symposium on Pharmaceutical Sciences (ISOPS), 26 - 29 June 2018
- XIII. **Development of Voltammetric Method for Determination of Ethanol**
ARSLAN H., UZUN D., ARSLAN F.
ANCON-2017 / INTERNATIONAL CONGRESS ON CHEMISTRY AND MATERIALS SCIENCE, 5 - 07 October 2017
- XIV. **Enzyme Inhibition Study by means of Ellman Method for Pt(IV) Complex with Piperazine Derivatives**
Çat M., Hasanoğlu Özkan E., SARI N., Çolak Ö., ARSLAN F.
Ancon2017 Ancon-International Congress on Chemistry and Materials Science, 5 - 07 October 2017
- XV. **Enzyme inhibition study by means of Ellman method for Pt(IV) complex with piperazine derivatives**
ÇAT M., HASANOĞLU ÖZKAN E., SARI N., ÇOLAK Ö., ARSLAN F.
International Congress on Chemistry and Materials Science (ANCON-2017), Ankara, Turkey, 5 - 07 October 2017
- XVI. **Synthesized of new Pt(II) / Pt(IV) complexes and investigation of charge effective on inhibition of AChE**
HASANOĞLU ÖZKAN E., ÇAT M., ARSLAN F., SARI N.

- International Congress on Chemistry and Materials Science (ANCON-2017), Ankara, Turkey, 5 - 07 October 2017
- XVII. **The effect of electronegative substituents on “IC50 value”**
ÇAT M., HASANOĞLU ÖZKAN E., ÇOLAK Ö., SARI N., ARSLAN F.
, International Congress on Chemistry and Materials Science (ANCON-2017), Ankara, Turkey, 5 - 07 October 2017
- XVIII. **Preparation of Carbon Paste Electrode containing Polyaniline Activated Carbon Composite for Amperometric Detection of Phenol**
ARSLAN H., yücel d., ÇEVİRİMLİ B. S., ZENGİN H., UZUN D., ARSLAN F.
3rd International Congress On Biosensors, 5 - 07 October 2016
- XIX. **Preparation of a Biosensor for Determination of Choline**
Baskın R., Aynacı Koyuncu E., ARSLAN H., ARSLAN F.
Biosensors 2016, 5 - 07 October 2016
- XX. **Synthesis Characterization and Examination of Acetylcholinesterase Inhibition Properties of Some New Compounds Containing Electron Donating Groups**
gümüş m., Ünal k., DİŞLİ A., ARSLAN F.
International Conference on Chemical and Biochemical Engineering, 20 - 22 July 2015
- XXI. **Synthesis Characterization and Examination of Acetylcholinesterase Inhibition Properties of Some New Compounds Containing Electron Withdrawing Groups**
Gümüş M., Ünal K., DİŞLİ A., ARSLAN F.
International Conference on Chemical and Biochemical Engineering, 20 - 22 July 2015
- XXII. **Glucose Biosensor Based on Immobilization of Glucose Oxidase in Carbon Paste Electrodes Involving Nanoparticles Poly(styrene) Attached Glycine**
DÖNMEZ S., ARSLAN F., SARI N., HASANOĞLU ÖZKAN E., ARSLAN H.
11th Nanoscience and Nanotechnology Conference Middle East Technical University, Ankara, Turkey, 22 - 25 June 2015
- XXIII. **Synthesis and Investigation Acetylcolinesterase Inhibition of Novel Acetylcholinesterase**
KOYUNCUOĞLU E., YAŞAR A., ARSLAN F., SARI N.
ISOPS 11th International Symposium on Pharmaceutical Sciences, 22 - 24 June 2015
- XXIV. **Preparation of a biosensor for determination of phenylketouria**
ÜNAL K., KOYUNCU E. A., ARSLAN F., ARSLAN H.
11th International symposium on Pharmaceutical sciences, Ankara, Turkey, 9 - 12 June 2015
- XXV. **A DISPOSABLE ELECTROCHEMICAL NUCLEICACID BIOSENSOR FOR THE DETECTION OF MYCOBACTERIUM TUBERCULOSIS USING POLY L GLUTAMIC ACID MODIFIED ELECTRODE**
YEŞİL M., DÖNMEZ S., ARSLAN F.
2 nd INTERNATIONAL CONGRESS ON BIOSENSORS, İzmir, Turkey, 10 - 12 June 2015
- XXVI. **SYNTHESIS AND INVESTIGATION ACETYLCHOLINESTERASE INHIBITION OF NOVEL ACETYLCHOLINESTERASE INHIBITORS**
KOYUNCU E. A., YAŞAR A., ARSLAN F., SARI N.
11th INTERNATIONAL SYMPHOSIUM ON PHARMACEUTICAL SCIENCES (ISOPS), Ankara, Turkey, 9 - 12 June 2015
- XXVII. **Asetilkolinesteraz İnhibitörleri Olarak Kullanılabilecek Araçlı AşitKarbamat Türevlerinin Sentezi**
Tuğçe N K., ALTUNDAŞ A., Çolak Ö., ARSLAN F., ALTUNDAŞ R.
3. İlaç Kimyası İlaç Etken Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 20 - 22 March 2015, pp.656
- XXVIII. **Yeni Asetilkolinesteraz inhibitörlerinin Sentezi, Karakterizasyonu ve İnhibisyon Özelliklerinin Belirlenmesi**
Aynacı Koyuncu E., ARSLAN F., SARI N., YAŞAR A.
2. İlaç Kimyası, Üretimi, Teknolojisi, Standardizasyonu Kongresi, Turkey, 21 - 23 March 2014
- XXIX. **Kondenzasyon Metoduyla Nanokürelere Schiff Bazı Takılması ve Glukoz Oksidaz Enziminin Biyokataliz Olarak İncelenmesi**
SARI N., ARSLAN F., Özdem N.
4. Anorganik Kimya Kongresi, Turkey, 30 May - 02 June 2013
- XXX. **Glukoz tayini için biyosensör hazırlanması**

- ÇETE S., YAŞAR A., ARSLAN F.
Uluslararası Katılımlı 25. Ulusal Kimya Kongresi, 27 June 2011
- XXXI. **Immobilization Of Glucose oxidase and invertase on electrochemically synthesized Ppy-PVS composite film by cross-linking via glutaraldehyde for determination of sucrose**
ÇETE S., YAŞAR A., ARSLAN F.
The International Conferenceon Enzyme Science and Technology, 24 January 2011
- XXXII. **Preparation of cholesterol biosensor Polypyrrole-Polyvinylsulphonate (PPy-PVS) composite film based by entrapment of cholesterol oxidase for determination of cholesterol**
ÇETE S., ARSLAN F., YAŞAR A., Yıldırımoğlu F.
8th International Electrochemistry Meeting, 08 October 2009
- XXXIII. **An amperometric uric acid biosensor based on Polianiline-Polyvinylsulphonate (Pani-PVS) composite film**
ÇETE S., ARSLAN F., YAŞAR A., YILMAZ M.
8th International Electrochemistry Meeting, 08 October 2009
- XXXIV. **The Preparation of a new biosensor for hypoxanthine determination**
ÇETE S., ARSLAN F., YAŞAR A., Çetin Z. A., Dolmacı N.
9th International Symposium on Pharmaceutical Sciences, 23 June 2009
- XXXV. **Inhibition effect of new arylsulfonylhydrozone derivatives on carbuncic anhydrase,**
ARSLAN F., Akçay S., ÖZDEMİR ÖZMEN Ü., Altuntaş A.
9th International symposium on pharmaceutical sciences Ankara, Türkiye, 15 - 18 June 2009
- XXXVI. **Karbonik Anhidraz II enziminin bazı sülfon amitlerle inhibisyon kinetiğinin incelenmesi**
ÖZDEMİR ÖZMEN Ü., ARSLAN F., köşker A.
XXII.Uluslararası Kimya Kongresi, Mağusa, K.K.T.C, Turkey, 6 - 10 October 2008
- XXXVII. **Kolesterol için biyosensor hazırlanması**
MUHAMMET S. M., ARSLAN F., YAŞAR A.
21. Ulusal Kimya Kongresi, İnönü Üniversitesi MALATYA, Turkey, 23 - 27 August 2007
- XXXVIII. **Ürik asit tayini için yeni bir amperometrik biyosensör hazırlanması**
ÇETE S., YAŞAR A., ARSLAN F.
XXI. Ulusal Kimya Kongresi, 23 August 2007
- XXXIX. **Inhibition effect of new sulfonamide derivatives on carbonic anhydrase**
ÖZDEMİR ÖZMEN Ü., ARSLAN F., HAMURCU F.
International Symposium on Drug research and development from chemistry to medicine Antalya , Türkiye, 17 - 20 May 2007
- XL. **Ürik asit tayini için biyosensör hazırlanması**
ÇETE S., YAŞAR A., ARSLAN F.
XIX. Ulusal Kimya Kongresi, 30 September 2005
- XLI. **Ürikazın polipirol filme immobilizasyonu**
ÇETE S., YAŞAR A., ARSLAN F.
XIX. Ulusal Kimya Kongresi, 30 September 2005
- XLII. **Polianilin Polipirol Membranları Kullanarak İyon Seçici Elektrotların Hazırlanması**
AYTAÇ A., ARSLAN F.
6. Elektrokimya Günler, Eskişehir, 29 Haziran-1 Temmuz 2005, 50, Eskişehir, Turkey, 29 June - 01 July 2005
- XLIII. **o-Nitrofenil selenosiyanür bileşığının yeni bir yöntemle sentezi, maya ve bazı patojen bakterile rüzerine antimikrobiyal aktivitelerinin incelenmesi ve bazı antibiyotiklerle karşılaştırılması**
ÇETE S., YAŞAR A., ARSLAN F., YAVUZ S., ÖZKAN H.
XVIII. Ulusal Kimya Kongresi, 05 July 2004
- XLIV. **p-Bromofenil selenosiyanür bileşığının yeni bir yöntemle sentezi, maya ve bazı patojen bakteriler üzerine antimikrobiyal aktivitelerinin incelenmesi ve bazı antibiyotiklerle karşılaştırılması**
ÇETE S., YAŞAR A., ARSLAN F., ÖZKAN H.
XVIII. Ulusal Kimya Kongresi, 05 July 2004
- XLV. **Synthesis of Pyridinium Fluorochromate(VI) and Antimicrobial Effect on Bacterial and Yeast.**

- ÇETE S., ARSLAN F., ŞENDİL K., Metin Z. E.
XI. International Biomedical Science and Technology Symposium, 03 January 2004
- XLVI. 'Antimicrobial activity of extracts from Aloe Vera and effect on the xanthine oxidase activity'
ÇETE S., ARSLAN F., YAŞAR A., Muti S.
XI. International Biomedical Science and Technology Symposium, 02 January 2004
- XLVII. Antimicrobial activity of extracts from Nerium Oleander and effect on the xanthine oxidase activity.
ÇETE S., ARSLAN F., YAŞAR A., Okçu E.
XI. International Biomedical Science and Technology Symposium, 01 January 2004

Supported Projects

Sarı N., Arslan F., Project Supported by Higher Education Institutions, Alzehimer hastalığının teşhisi için, asetilkolin biyosensörünün hazırlanması, 2017 - 2020

ARSLAN F., Project Supported by Higher Education Institutions, Poliaspartik asit ile modifiye edilmiş kalem grafit elektrot kullanılarak Hepatit C'nin tesbitine yönelik yeni bir E-DNA sensörünün hazırlanması, 2014 - 2016

Arslan F., Dişli A., TUBITAK Project, Alzheimer Hastalığı AH Tedavisinde Kullanılabileceği Düşünülen Bazı Yeni Bileşiklerin Sentezi Karakterizasyonu ve Asetilkolinesteraz Enzimi Üzerine İnhibisyon Özelliklerinin İncelenmesi, 2014 - 2015

ARSLAN F., Project Supported by Higher Education Institutions, L-Glutamat tayini için biyosensör hazırlanması, 2013 - 2015

ARSLAN F., Project Supported by Higher Education Institutions, Alkol tayini için alkol dehidrogenaz enziminin polipirol-polivinil sülfonat filme immobilizasyonu ile yeni bir biyosensör hazırlanması, 2012 - 2013

ARSLAN F., Project Supported by Higher Education Institutions, Kolin Tayini İçin Yeni Bir Biyosensör Hazırlanması, 2011 - 2013

ARSLAN F., Project Supported by Higher Education Institutions, Glukoz tayini için yeni bir biyosensör hazırlanması, 2009 - 2011

ARSLAN F., Project Supported by Higher Education Institutions, Çeşitli Yağ Asidi Esterlerinden Biyo-Dizellerin Hazırlanması ve Karakterizasyonu, 2006 - 2007

Student Project

R & D Project, Yeşil sentez ile kahve telvesinden gümüş nanopartikül sentezi ve glukoz biyosensörü uygulaması, Gazi University, Fen Fakültesi, Kimya, Turkey, 2022 - Continues

Metrics

Publication: 97
Citation (WoS): 703
Citation (Scopus): 740
H-Index (WoS): 15
H-Index (Scopus): 16