

Prof. HALİT ARSLAN

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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-4121-2016

ScopusID: 36766563400

Yoksis Researcher ID: 55681

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1996 - 2003

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 1991 - 1995

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

Associate Degree, Erciyes University, Kayseri Meslek Yüksekokulu, Turkey 1982 - 1984

Foreign Languages

German, B2 Upper Intermediate

Dissertations

Doctorate, Kurşun (II), Kalay (II) ve Kadmiyum (II)'xx nin Selenit İle Etkileşiminin Polarografik Olarak İncelenmesi, Gazi University, Fen Bilimleri Enstitüsü, 2003

Postgraduate, Akü Kurşununda Bulunan Selenyum'xxun Diferansiyel Puls Polarografisi İle Tayini İçin Yöntem Geliştirilmesi, Gazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 1995

Research Areas

Analytical Chemistry, Separation Methods, Bioanalytical Methods, Electromagnetic Methods, Sensors, Natural Sciences

Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Kimya, 2022 - Continues

Associate Professor, Gazi University, Fen Fakültesi, Kimya, 2014 - 2022

Assistant Professor, Gazi University, Fen Fakültesi, Kimya, 2009 - 2014

Research Assistant, Gazi University, Fen Fakültesi, Kimya, 1993 - 2009

Academic and Administrative Experience

Deputy Head of Department, Gazi University, Fen Fakültesi, Kimya, 2021 - 2023

Vice Dean, Gazi University, Fen Fakültesi, 2013 - 2016

Gazi University, Fen Fakültesi, Kimya Bölümü, 2009 - 2013

Gazi University, Fen Fakültesi, Kimya Bölümü, 2009 - 2013

Advising Theses

Arslan H., DEVELOPMENT OF THE METHOD FOR THE DETERMINATION OF VITAMIN D BY SQUARE WAVE VOLTAMMETRY, Postgraduate, S.UZUN(Student), 2022

Arslan H., DEVELOPMENT OF METHOD FOR VOLTAMMETRIC DETERMINATION OF MERCURY, Postgraduate, T.ÇAPAN(Student), 2021

ARSLAN H., Development Of Method For Electrochemical Determination Of Silver, Postgraduate, G.MAMMADOVA(Student), 2020

ARSLAN H., Developing A Method For The Determination Of Tannic Acid By Differential Pulse Voltammetry, Postgraduate, E.Çalk(Student), 2017

ARSLAN H., A Method Developed For Determination Of Ethanol By Electrochemically, Postgraduate, M.ASLAN(Student), 2015

ARSLAN H., DEVELOPING OF THE ELECTROCHEMICAL METHOD FOR PHENOL DETERMINATION, Postgraduate, M.BALCI(Student), 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A Sensitive Amperometric Biosensor Based on Carbon Dot 3-Chloropropyl-trimethoxysilane Modified Electrode for Detection of Neurotransmitter Dopamine**
Akbiyik 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)
- II. **Designing an electrochemical biosensor based on tyrosinase for highly sensitive and rapid detection of bisphenol A and its derivatives**
BODUR O. C., KESKİN M., Avan B. A., ARSLAN H.
JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, vol.88, no.5, pp.521-536, 2023 (SCI-Expanded)
- III. **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)
- IV. **Development of a Novel Phenylalanine Biosensor for Diagnosis of Phenylketonuria**
ARSLAN H., Unal K., Aynaci Koyuncu E., YİLDİRİM E., ARSLAN F.
IEEE SENSORS JOURNAL, vol.20, no.20, pp.12127-12133, 2020 (SCI-Expanded)
- V. **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)
- VI. **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)
- VII. **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)

- VIII. **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)
- IX. **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)
- X. **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)
- XI. **Choline-sensing carbon paste electrode containing polyaniline (pani)-silicon dioxide composite-modified choline oxidase**
Ozdemir M., ARSLAN H.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.42, no.1, pp.27-31, 2014 (SCI-Expanded)
- XII. **Preparation of modified glassy carbon surface with N-(1-H-indole-3yl) methylene thiazole-2-amine and its characterization**
UZUN D., ARSLAN H., BALABAN GÜNDÜZALP A., HASDEMİR E.
SURFACE & COATINGS TECHNOLOGY, vol.239, pp.108-115, 2014 (SCI-Expanded)
- XIII. **Preparing a new biosensor for hypoxanthine determination by immobilization of xanthine oxidase and uricase in polypyrrole-polyvinyl sulphonate film**
Gorgulu M., ÇETE S., ARSLAN H., Yasar A.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.41, no.5, pp.327-331, 2013 (SCI-Expanded)
- XIV. **Concentrations of metals in water, sediment and tissues of Cyprinus carpio L., 1758 from Mogan Lake (Turkey)**
Benzer S., Arslan H., Uzel N., Gül A., Yılmaz M.
IRANIAN JOURNAL OF FISHERIES SCIENCES, vol.12, no.1, pp.45-55, 2013 (SCI-Expanded)
- XV. **Glucose Biosensing at Carbon Paste Electrodes Containing Polyaniline-Silicon dioxide Composite**
ARSLAN H., Ozdemir M., ZENGİN H., ZENGİN G.
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.7, no.10, pp.10205-10214, 2012 (SCI-Expanded)
- XVI. **Amperometric Detection of Glucose by Polyaniline-Activated Carbon Composite Carbon Paste Electrode**
Colak O., ARSLAN H., ZENGİN H., ZENGİN G.
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.7, no.8, pp.6988-6997, 2012 (SCI-Expanded)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **ELECTROCHEMICAL INVESTIGATION OF Pb Se INTERACTION BY CYCLIC VOLTAMMETRY.**
Arslan H.
Asian Journal Of Chemistry, vol.20, no.7, pp.5658-5666, 2008 (SCI-Expanded)
- XXI. **Galvanic corrosion of titanium-based dental implant materials**

ARSLAN H., Celikkan H., Oernek N., Ozan O., Ersoy A. E., Aksu M. L.

JOURNAL OF APPLIED ELECTROCHEMISTRY, vol.38, no.6, pp.853-859, 2008 (SCI-Expanded)

XXII. **Electrochemical behavior of selenite in the presence of tin(II)**

Arslan H., Hasdemir E., Solak A.

BULLETIN OF ELECTROCHEMISTRY, vol.21, no.10, pp.433-436, 2005 (SCI-Expanded)

XXIII. **Polarographic investigation of tin(II), thiosemicarbazide and selenium(IV) interaction**

Arslan H., Hasdemir E.

TRACE ELEMENTS AND ELECTROLYTES, vol.22, no.4, pp.243-247, 2005 (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. **Direct Determination Of Copper With Thiosemicarbazide By Uv-Vis Spectrophotometric Method And Effect Of Presence Some Other Cations**

ARSLAN H., HASDEMİR E.

G.Ü. Journal of Science, vol.17, no.1, pp.49-58, 2004 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Greensynthesisofoliveleaves-based silvernanoparticles**

Adak E., Arslan H.

7th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2024), Ankara, Turkey, 2 - 04 October 2024, pp.78

II. **Electrochemical Determination of Vitamin B12 Using Square-Wave Voltammetry Method**

Adak E., Arslan H.

35. Ulusal Kimya Kongresi, Diyarbakır, Turkey, 9 - 12 September 2024, pp.272

III. **A Novel Acetylcholinesterase Biosensor for the Determination of Pesticides**

Adak E., Keskin M., Arslan H.

6th International Congress on Biosensors, Konya, Turkey, 5 - 07 September 2024, pp.48

IV. **D VİTAMİNİNİN ELEKTROKİMYASAL TAYİNİ İÇİN YÖNTEM GELİŞTİLMESİ**

Uzun S., Arslan H.

KARADENİZ 9th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Artvin, Turkey, 25 - 27 June 2022, pp.44-52

V. **A Novel Amperometric Biosensor for Detection of Bisphenol A**

Bodur O. C., Keskin M., Arslan Avan B., Arslan H.

3. EBAT/ Eurasia Biochemical Approaches & Technologies Congress, Antalya, Turkey, 4 - 07 November 2021, pp.154

VI. **DEVELOPMENT NEW METHOD FOR RAPID AND DIRECT DETERMINATION OF SILVER**

ARSLAN H., MAMMADOVA G.

7th International Symposium on Academic Studies in Science, Engineering and Architecture Sciences, Ankara,

Turkey, 15 - 17 November 2019, pp.1254-1263

- VII. **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
- VIII. **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
- IX. **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, Ankara, Turkey, 26 - 29 September 2018
- X. **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
- XI. **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
- XII. **Preparation of a Biosensor for Determination of Choline**
Baskın R., Aynacı Koyuncu E., ARSLAN H., ARSLAN F.
Biosensors 2016, 5 - 07 October 2016
- XIII. **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
- XIV. **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
- XV. **Bir Maya Hücresi olan Sacchomyces Cerevisiae nin Agar Üzerine İmmobilize edilmesi ve Kurşun ile bazı Ağır Metallerin Biyosorbsiyonunun İncelenmesi**
ÇETE S., ARSLAN H., ÇEVİRİMLİ B. S.
11. Ulusal Spektroskopi Kongresi, Ankara, Turkey, 23 - 26 June 2009
- XVI. **Bir maya hücresi olan Sacchomyces Cerevisiae'nin Agar üzerine immobilize edilmesi ve kurşun ile bazı ağır metallerin biyosorbsiyonunun incelenmesi**
ÇETE S., ARSLAN H., ÇEVİRİMLİ B. S.
XI. Ulusal Spektroskopi Kongresi, 23 June 2009
- XVII. **PPy/PVS İle Modifiye Edilmiş Camsı Karbon Elektrot İle Bizmutun Elektrokimyasal Tayini**
ARSLAN H., UZUN D.
IV. Ulusal Analitik Kimya Kongresi, Elazığ, Turkey, 25 - 27 June 2008

Supported Projects

ARSLAN H., BODUR O. C., ARSLAN AVAN B., KESKİN M., Project Supported by Higher Education Institutions, Tirozinaz Enzimi Temelli Bisfenol A Biyosensörünün Hazırlanması, 2020 - 2022

ARSLAN H., Project Supported by Higher Education Institutions, Glukoz tayini için karbon pasta elektrot hazırlanması, 2011 - 2013

Karacan M. S., Karacan N., Çelikkan H., Arslan H., TÜBİTAK International Bilateral Joint Cooperation Program Project, Molecular mechanism of action of novel chemical inhibitors of electron transport of photosystem II, 2009 - 2011

ARSLAN H., Project Supported by Higher Education Institutions, Fenol bileşiklerinin Tayini İçin Amperometrik Esaslı Biyosensör Geliştirilmesi, 2007 - 2009

Activities in Scientific Journals

Turkish Journal of Forensic Sciences and Crime Studies, Advisory Committee Member, 2019 - Continues

Scientific Refereeing

ANALYTICAL LETTERS, SCI Journal, July 2021

Gazi University Journal of Science, Journal Indexed in ESCI, May 2021

Tasks In Event Organizations

Arslan H., I. National Electrochemistry and Biosensor Applications Workshop, Scientific Congress, Bilecik, Turkey, Kasım 2021

Arslan H., INTERNATIONAL SYMPOSIUM ON KNOWLEDGE GENERATING AND SCIENCE POLICIES IN TURKEY, Scientific Congress, Kırşehir, Turkey, Kasım 2017

Arslan H., XI ULUSAL SPEKTROSKOPİ KONGRESİ, Scientific Congress, Ankara, Turkey, Haziran 2009

Metrics

Publication: 47

Citation (WoS): 328

Citation (Scopus): 379

H-Index (WoS): 11

H-Index (Scopus): 12

Non Academic Experience

Milli Eğitim Bakanlığı