

Res. Asst. DEMET UZUN

Personal Information

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2007 - 2014

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 2003 - 2006

Undergraduate, Gazi University, Fen Fakültesi, Kimya Bölümü, Turkey 1999 - 2003

Dissertations

Doctorate, Bazı indol türevli schiff bazlarının elektrokimyasal davranışlarının incelenmesi, karbon yüzeyine bağlanma özellikleri ve analitik uygulamaları, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2013

Postgraduate, Taç eteri esaslı demir(III) iyonuna duyarlı yeni bir membran elektrot hazırlanması ve uygulaması, Gazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2006

Research Areas

Electromagnetic Methods, Sensors, Surface Analysis

Academic Titles / Tasks

Research Assistant, Gazi University, Fen Fakültesi, Kimya, 2005 - Continues

Courses

KİMYA , Undergraduate, 2018 - 2019

KİM 151 KİMYA LABORATUVARI TEKNOLOJİ FAKÜLTESİ BİLGİSAYAR MÜHENDİSLİĞİ, Undergraduate, 2017 - 2018

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

- I. **Copper(II) sulfonamide complexes having enzyme inhibition activities on carbonic anhydrase I: synthesis, characterization and inhibition studies**
UZUN D., BALABAN GÜNDÜZALP A., Parlakgumus G., ÖZDEMİR ÖZMEN Ü., ÖZBEK N., AKTAN E.
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, 2021 (Journal Indexed in SCI)
- II. **Determination of Paracetamol Based on 3-amino-4H-1,2,4-triazole Coated Glassy Carbon Surface in Pharmaceutical Sample**
UZUN D.
ELECTROANALYSIS, 2021 (Journal Indexed in SCI)
- III. **An electrochemical sensor for the rapid determination of hazardous phenol in real-life water**

samples

UZUN D.

INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.100, no.15, pp.1720-1736, 2020 (Journal Indexed in SCI)

- IV. **Electrocatalytic Investigations of Cu(II) and Fe(III) Complexes of Salophen Derivative Schiff Bases on the Pencil Graphite Electrode**
Cakmak D., Bulut T., Uzun D.
ELECTROANALYSIS, vol.32, no.7, pp.1559-1570, 2020 (Journal Indexed in SCI)
- V. **The fabrication of a new modified pencil graphite electrode for the electrocatalytic reduction of 2-nitrophenol in water samples**
Baysal G., UZUN D., HASDEMİR E.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.860, 2020 (Journal Indexed in SCI)
- VI. **The determination of uric acid in the presence of ascorbic acid and dopamine using [(1H-1,2,4-triazole-3-ylimino)methyl]naphthalene-2-ol modified platinum electrode**
Tatli F., TABANLIGİL CALAM T., UZUN D., HASDEMİR E.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.35, no.4, pp.2013-2022, 2020 (Journal Indexed in SCI)
- VII. **Rapid and Selective Determination of Vanillin in the Presence of Caffeine, its Electrochemical Behavior on an Au Electrode Electropolymerized with 3-amino-1,2,4-triazole-5-thiol**
Tabanlıgil Calam T., Uzun D.
ELECTROANALYSIS, vol.31, no.12, pp.2347-2358, 2019 (Journal Indexed in SCI)
- VIII. **Preparation and characterization of 3-[(1H-1,2,4-triazole-3-ylimino)methyl]naphthalene-2-ol film at the platinum surface for selective voltammetric determination of dopamine in the presence of uric acid and ascorbic acid**
Tatli F., Uzun D., Tabanlıgil Calam T., Balaban Gündüzalp A., Hasdemir E.
SURFACE AND INTERFACE ANALYSIS, vol.51, no.4, pp.475-483, 2019 (Journal Indexed in SCI)
- IX. **Preparation of carbon paste electrode containing polyaniline-activated carbon composite for amperometric detection of phenol**
Arslan H., Senarlan D., Cevrimli B. S., Zengin H., Uzun D., Arslan F.
BULGARIAN CHEMICAL COMMUNICATIONS, vol.50, no.1, pp.16-20, 2018 (Journal Indexed in SCI)
- X. **A voltammetric sensor based on glassy carbon electrode modified with 1H-1, 2,4-triazole-3-thiol coating for rapid determination of trace lead ions in acetate buffer solution**
Danyildiz Z., Uzun D., Tabanlıgil Calam T., Hasdemir E.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.805, pp.177-183, 2017 (Journal Indexed in SCI)
- XI. **Selective and sensitive determination of dopamine via suppressing ascorbic acid using an N-(1-H-indole-3-yl) methylene thiazole-2-amine thin film-modified glassy carbon electrode**
UZUN D., HASDEMİR E.
IONICS, vol.23, no.3, pp.759-765, 2017 (Journal Indexed in SCI)
- XII. **Selective and sensitive determination of tannic acid using a. 1-benzoyl-3-(pyrrolidine) thiourea film modified glassy carbon electrode**
Yilmaz U. T., Calik E., UZUN D., KARİPCİN F., Yilmaz H.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.776, pp.1-8, 2016 (Journal Indexed in SCI)
- XIII. **Carbonic anhydrase inhibitors: Synthesis, characterization and inhibition activities of furan sulfonylhydrazones against carbonic anhydrase I (hCA I)**
BALABAN GÜNDÜZALP A., Parlakgumus G., UZUN D., ÖZDEMİR ÖZMEN Ü., ÖZBEK N., SARI M., TUNÇ T.
JOURNAL OF MOLECULAR STRUCTURE, vol.1105, pp.332-340, 2016 (Journal Indexed in SCI)
- XIV. **Sensitive voltammetric determination of melittin in honeybee venom powder from Apis mellifera**
Yilmaz U. T., Melekogullari T., KEKİLLİOĞLU A., UZUN D.
MICROCHEMICAL JOURNAL, vol.124, pp.364-367, 2016 (Journal Indexed in SCI)
- XV. **A new method for rapid and sensitive determination of cholic acid in gallbladder bile using voltammetric techniques**

Yilmaz U. T. , UZUN D., Yilmaz H.

MICROCHEMICAL JOURNAL, vol.122, pp.159-163, 2015 (Journal Indexed in SCI)

- XVI. **Selective determination of dopamine in the presence of uric acid and ascorbic acid by N,N'-bis(indole-3-carboxalimine)-1,2-diaminocyclohexane thin film modified glassy carbon electrode by differential pulse voltammetry**
UZUN D., BALABAN GÜNDÜZALP A., HASDEMİR E.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.747, pp.68-76, 2015 (Journal Indexed in SCI)
- XVII. **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 (Journal Indexed in SCI)
- XVIII. **A novel iron(III) selective membrane electrode based on benzo-18-crown-6 crown ether and its applications**
Ekmekci G., Uzun D., Somer G., Kalayci S.
JOURNAL OF MEMBRANE SCIENCE, vol.288, pp.36-40, 2007 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **A new glassy carbon surface covered with 1-(2-benzothiazolyl)-3-methyl pyrazol-5-one and its characterization**
UZUN D.
Sakarya University Journal of Science, vol.23, pp.1, 2019 (Other Refereed National Journals)
- II. **Theoretical Study of The Structure and Tautomerism of An Asymmetric Diimine Schiff Base, Preparation and Characterization of Its Modified Electrode**
UZUN D., AKTAN E., ÖZDEMİR Ö., HASDEMİR E.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.30, no.4, pp.124-138, 2017 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Fabrication of 2-mercaptobenzothiazole coated pencil graphite electrode for determination of Rutin**
EN NAKRA F., UZUN D., HASDEMİR E.
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), Ankara, Turkey, 19 - 20 March 2020
- II. **Electrochemical determination of 2-nitrophenol using 3-amino-1,2,4-triazole-5-thiol covered pencil graphite electrode in water samples**
UZUN D., GÜLŞEN B., HASDEMİR E.
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), 28 - 29 June 2019
- III. **SENSITIVE DETERMINATION OF 4-NITRO PHENOL BY DIFFERENTIAL PULSE VOLTAMMETRY USING TRIAZOLE DERIVATIVED GLASSY CARBON ELECTRODE**
UZUN D.
1. Uluslararası Harran Multidisipliner Çalışmalar Kongresi, 8 - 10 March 2019
- IV. **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
- V. **Modifiye Camı Karbon Elektrot Kullanarak Diferansiyel Puls Voltametriyi Yöntemi ile Seçici ve Duyarlı Fenol Tayini**
UZUN D.

International Trace Analysis Congress, 20 - 23 June 2018

- VI. **Electrochemical Study of Sudan I at Glassy Carbon Electrode**
Mamedov R., Uzun D., Karaboduk K., Hasdemir E.
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018
- VII. **Voltammetric determination of catechol at 3-amino-1,2,4-triazole-5-thiol modified glassy carbon electrode**
UZUN D.
INTERNATIONAL EURASIAN CONFERENCE ON SCIENCE, ENGINEERING AND TECHNOLOGY (EURASIANSCIENTECH 2018), 22 - 23 November 2018
- VIII. **Cyclic and Differential Pulse Voltammetry Measurements of 3,5-ditertiarybutylsalicylaldehydemethanesulfonylhydrozone and its Cu(II) Complex on Carbonic Anhydrase I**
UZUN D., BALABAN GÜNDÜZALP A., Erdogdu E., ÖZBEK N., ÖZDEMİR ÖZMEN Ü.
1st International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), 26 - 27 April 2018
- IX. **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
- X. **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
- XI. **Carbonic Anhydrase CA Inhibitors as Pollution Biomarkers Investigation of Enzyme Inhibition by Using Electrochemical Methods**
BALABAN GÜNDÜZALP A., UZUN D., ÖZDEMİR ÖZMEN Ü., Erdoğan E.
1ST INTERNATIONAL BLACK SEA CONGRESS ON ENVIRONMENTAL SCIENCES (IBCESS), 31 August - 03 September 2016
- XII. **SELECTIVE AND SENSITIVE DETERMINATION OF TANNIC ACID USING A 1-BENZOYL-3-(PYROLIDINE) THIOUREA FILM MODIFIED GLASSY CARBON ELECTRODE**
ÇALIK E., UZUN D., TAŞKOPARAN YILMAZ Ü.
2nd International Congress of Forensic Toxicology, Ankara, Turkey, 26 - 30 May 2016
- XIII. **Kurşun Tayini İçin Elektrokimyasal Yöntem İle Yeni Modifiye Camı Karbon Elektrot Hazırlanması ve Karakterizasyonu**
UZUN D., DANYILDIZ Z., HASDEMİR E.
8. Ulusal Analitik Kimya Kongresi, Isparta, Turkey, 30 May - 03 June 2016
- XIV. **Enzyme Inhibition Studies of Furan Sulfonylhydrazone Cu II Complexes by Using Differential Pulse Voltammetry DPV Method**
UZUN D., BALABAN GÜNDÜZALP A., ÖZDEMİR ÖZMEN Ü., Parlakgümüş G.
All in One Conference, 2nd International Conference on New Trends in Chemistry, 19 - 22 April 2016
- XV. **Selective Carbonic Anhydrase I Inhibitors Electrochemical Characterization of Aromatic Substitue Sulfonamide and Its Copper II Complex**
UZUN D., BALABAN GÜNDÜZALP A., ÖZDEMİR ÖZMEN Ü., erdoğan e.
All in One Conference, 2nd International Conference on New Trends in Chemistry ZAGREB-CROATIA, 19 - 22 April 2016
- XVI. **Inhibition Effect of Sulfonamide- Copper(II) Complex Against Carbonic Anhydrase I (hCAI) by Electrochemical Methods**
UZUN D., BALABAN GÜNDÜZALP A., Erdoğan E., ÖZDEMİR ÖZMEN Ü.
INTERNATIONAL SYMPOSIUM ON MOLECULAR CHEMISTRY, 19 - 21 December 2014
- XVII. **Alkil Sülfon Amit Bileşiğinin Karbonik Anhidraz I (CAI) Enzimine Karşı İnhibisyon Etkisinin Elektrokimyasal Yöntemlerle İncelenmesi**

- UZUN D., BALABAN GÜNDÜZALP A., ÖZDEMİR ÖZMEN Ü.
2. İlaç Kimyası, Üretimi, Teknolojisi ve Standardizasyonu kongresi Antalya, Turkey, 21 - 23 March 2014
- XVIII. **Determination of Dopamine in the Presence of Ascorbic Acid and Uric Acid at the 3-((1h-1,2,4-triazol-3-ylimino)metil)naftalen-2-ol Modified Platinum Electrode**
TABANLIGİL CALAM T., tatli f., UZUN D., HASDEMİR E.
10th INTERNATIONAL ELECTROCHEMISTRY MEETING, 4 - 08 September 2013
- XIX. **Preparation and Characterization of Poly(3-((1h-1,2,4-triazol-3-ylimino)metil)naftalen-2-ol) Film at the Platinum Surface**
TABANLIGİL CALAM T., tatli f., UZUN D., HASDEMİR E.
10th International Electrochemistry Meeting 2013 10th INTERNATIONAL ELECTROCHEMISTRY MEETING, 4 - 08 September 2013
- XX. **DETERMINATION OF URIC ACID IN THE PRESENCE OF DOPAMINE AND ASCORBIC ACID AT THE 3-((1H-1,2,4-TRIAZOL-3-YLIMINO)METİL)NAFTALEN-2-OL MODIFIED PLATINUM ELECTRODE**
TATLI F., TABANLIGİL CALAM T., UZUN D., HASDEMİR E.
10th INTERNATIONAL ELECTROCHEMISTRY MEETING, Konya, Turkey, 4 - 08 September 2013
- XXI. **Elektrokimyasal Yöntemle Modifiye Camsı Karbon Elektrot Kullanarak Askorbik Asit ve Ürik Asit Varlığında Dopamin Tayini**
HASDEMİR E., UZUN D.
6. Ulusal Analitik Kimya Kongresi, Hatay, Turkey, 3 - 07 September 2012
- XXII. **N,N'-Bis(İndol-3-Karboksaldimin)-1,2-Diaminosikloheksan Schiff Bazı İle Modifiye Camsı Karbon Elektrot Kullanarak Askorbik Asit ve Ürik Asit Varlığında Dopamin Tayini**
UZUN D., HASDEMİR E.
6. Ulusal Analitik Kimya Kongresi, Hatay, Turkey, 3 - 07 September 2012
- XXIII. **Schiff Bazı ile Hazırlanan Modifiye Platin Elektrot Yüzeyinin Elektrokimyasal ve Spektroskopik Karakterizasyonu**
TABANLIGİL CALAM T., UZUN D., HASDEMİR E.
6. Ulusal Analitik Kimya Kongresi, Hatay, Turkey, 3 - 07 September 2012
- XXIV. **Glassy Carbon Electrode Modified With N,N'-Bis(Indole-3-Carboxaldimine)-1,2-Diaminocyclohexane And Its Characterization**
UZUN D., BALABAN GÜNDÜZALP A., HASDEMİR E.
9th International Electrochemistry Meeting In Turkey, İzmir/Çeşme, Turkey, 25 - 29 September 2011
- XXV. **Asimetrik Diimin Schiff Bazı İle Hazırlanan Modifiye Camsı Karbon Yüzeyinin Elektrokimyasal ve Spektroskopik Karakterizasyonu**
UZUN D., ÖZDEMİR Ö., HASDEMİR E., GÜRKAN P.
25. Uluslararası Katılımlı Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011
- XXVI. **Glassy Carbon Electrode Modified With N-((1H-Indole-3yl)Methylene Thiazole-2-Amine**
UZUN D., BALABAN GÜNDÜZALP A., HASDEMİR E.
8th International Electrochemistry Meeting In Turkey, Antalya, Turkey, 8 - 11 November 2009
- XXVII. **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
- XXVIII. **KARALAHANADA BULUNAN İYODÜR VE FLORÜR İYONUNUN İYON SEÇİCİ ELEKTROTLAR İLE TAYİNİ**
KALAYCI Ş., UZUN D., SOMER G.
21. Ulusal Kimya Kongresi, Malatya, Turkey, 23 August - 27 March 2007
- XXIX. **ÇAYDAKİ ESER ELEMENTLERİN DİFERANSİYEL PULS POLAROGRAFİ İLETAYİNİ İÇİN YÖNTEM GELİŞTİRİLMESİ**
KALAYCI Ş., SOMER G., UZUN D.
XIX. Ulusal Kimya Kongresi, Kuşadası, Turkey, 30 September - 04 October 2005
- XXX. **İSPANAKTAKİ ESER ELEMENTLERİN DİFERANSİYEL PULS POLAROGRAFİSİ İLE TAYİNİ İÇİN YÖNTEM GELİŞTİRİLMESİ**
KALAYCI Ş., SOMER G., UZUN D.

XIX. Ulusal Kimya Kongresi, Kuşadası, Turkey, 30 September - 04 October 2005

XXXI. A New Ferric Ion Selective Membrane Electrode and Its Application

Ekmekci G., Kalaycı Ş., Uzun D., Somer G.

4th Aegean Analytical Chemistry Days Kuşadası/Aydın/ Turkey (2004), Aydın, Turkey, 29 September - 03 October 2004

XXXII. PVC Temelli Taç Eter Kullanılarak Demir III e Duyarlı Elektrodun Hazırlanması

EKMEKÇİ G., KALAYCI Ş., UZUN D., Somer G.

V. Ulusal Elektrokimya Günleri, Samsun, (2004)., Samsun, Turkey, 9 - 11 June 2004

XXXIII. Yeni Bir Hidroksit İyon Seçici Elektrot Hazırlanması

EKMEKÇİ G., Somer G., KALAYCI Ş., UZUN D., Atasoy B.

IV. Elektrokimya Günleri, Adana, (2003)., Adana, Turkey, 11 - 13 June 2003

Citations

Total Citations (WOS):190

h-index (WOS):8