

Prof. ZEHRA YAZAN

Personal Information

Office Phone: [+90 312 212 6720](tel:+903122126720) Extension: 1284

Web: <https://avesis.ankara.edu.tr/zdurmus>

International Researcher IDs

ScholarID: 0000-0002-7511-7508

ORCID: 0000-0002-7511-7508

Publons / Web Of Science ResearcherID: AAH-4189-2020

ScopusID: 56809304600

Yoksis Researcher ID: 11623

Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1994 - 1998

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 1990 - 1992

Undergraduate, Ankara University, Fen Fakültesi, Kimya Bölümü, Turkey 1985 - 1989

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Benzo[c]cinnolin-N-oksit ve türevlerinin elektrokimyasal yapılarının incelenmesi, Ankara University, Fen Bilimleri Enstitüsü, Kimya (Dr), 1998

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Ankara University, Fen Fakültesi, Kimya Bölümü, 2010 - Continues

Associate Professor, Ankara University, Fen Fakültesi, Kimya Bölümü, 2004 - Continues

Research Assistant, Ankara University, Fen Fakültesi, Kimya Bölümü, 1990 - Continues

Courses

Doctorate

Elektrokimyasal biyosensörler, Doctorate, 2022 - 2023

Tez çalışması sağlık bilimleri, Doctorate, 2021 - 2022

Uzmanlık alan dersi, Doctorate, 2021 - 2022

Uzmanlık alan dersi, Doctorate, 2022 - 2023

Uzmanlık alan dersi, Doctorate, 2021 - 2022

Postgraduate

Tez çalışması, Postgraduate, 2021 - 2022

Adli kimyada analitik yöntemler, Postgraduate, 2022 - 2023

Voltametik sıyırma yöntemleri, Postgraduate, 2022 - 2023

Seminer, Postgraduate, 2021 - 2022

Undergraduate

Özel konu, Undergraduate, 2022 - 2023

Elektroanalitik yöntemler, Undergraduate, 2021 - 2022

Analitik Kimya laboratuvarı I, Undergraduate, 2022 - 2023

Analitik kimya II, Undergraduate, 2021 - 2022

Adli Kimyaya giriş, Undergraduate, 2021 - 2022

Analitik kimya laboratuvarı II, Undergraduate, 2021 - 2022

Analitik Kimya I , Undergraduate, 2022 - 2023

Supervised Theses

Yazan Z., PROPİFENAZON, ASETAMİNOFEN VE KAFEİNİN EŞ ZAMANLI TAYİNİNE YÖNELİK ELEKTROKİMYASAL NANOSENSÖR TASARIMI, Postgraduate, A.URÇUK(Student), 2024

Yazan Z., Kozmetik ürünlere kullanılan bazı maddelerin DNA ile etkileşiminin elektrokimyasal yöntemlerle incelenmesi, Postgraduate, M.Mohanad(Student), 2023

Yazan Z., Bazı ksantin türevlerinin modifiye kalem grafit elektrotta elektrokimyasal tayini ve dna ile etkileşimleri, Doctorate, A.Fitoz(Student), 2021

YAZAN Z., Ürik asit varlığında L-triptofan için yeni bir modifiye kalem grafit sensörün geliştirilmesi ve elektrokimyasal tayini, Postgraduate, C.YILDIZ(Student), 2020

YAZAN Z., Modifiye karbon pasta elektrotlar kullanılarak bazı kozmetik ürünlere kullanılan maddelerin voltametik tayini, Doctorate, S.AYDAR(Student), 2019

YAZAN Z., Investigation Of Electrochemical Behaviours Of Meloxicam And Development Of Voltammetric Anodic Adsorptive Stripping Methods For Its Determination, Postgraduate, M.EMİN(Student), 2019

YAZAN Z., Askorbik asidin sepiyolit kil modifiye karbon pasta elektrot yüzeyinde anodik adsorptif sıyırma voltametrisi yöntemi ile analizi, Postgraduate, M.PEKİN(Student), 2019

Yazan Z., BİYOSENSÖRLER VE GIDALARDA KULLANIMI, Postgraduate, N.Duygu(Student), 2018

YAZAN Z., Antikanser özellik gösteren bazı maddelerin voltametik yöntemlerle tayini için modifiye karbon pasta elektrotların geliştirilmesi ve ds-dna ile etkileşimlerinin incelenmesi, Doctorate, D.ESKİKÖY(Student), 2017

Yazan Z., 'Gıda Güvenliğinde Önem Taşıyan Aflatoksinlerin analizi, Postgraduate, M.Aslan(Student), 2012

YAZAN Z., Valsartan'ın elektrokimyasal davranışının incelenmesi ve tayini için anodik adsorptif sıyırma yönteminin geliştirilmesi, Postgraduate, N.GÜRLER(Student), 2012

YAZAN Z., Ezetimib'in elektrokimyasal davranışı ve adsorptif sıyırma yöntemleriyle tayini, Postgraduate, D.ŞURA(Student), 2012

YAZAN Z., Trazodon'un elektrokimyasal davranışı ve adsorptif sıyırma yöntemleriyle tayini, Postgraduate, C.KAÇAR(Student), 2010

YAZAN Z., Disopiramidin elektrokimyasal davranışının incelenmesi ve tayini için anodik adsorptif sıyırma yönteminin geliştirilmesi, Postgraduate, M.DURAN(Student), 2010

YAZAN Z., Ornizadol'ün elektrokimyasal davranışı ve adsorptif sıyırma yöntemleriyle tayini, Postgraduate, Ş.TURAN(Student), 2008

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Electrochemical and computational studies on the interaction between calf-thymus DNA and skin whitening agent arbutin**
Mahdi M. M. M., Fitoz A., Yildiz C., YAZAN Z.
BIOELECTROCHEMISTRY, vol.164, 2025 (SCI-Expanded)
- II. **Development of a sensitive and facile DNA biosensor for the determination of trace levels of bisphenol A concentration based on DNA damage**
Yildiz C., ESKİKÖY BAYRAKTEPE D., Turan M. P., YAZAN Z.
MICROCHEMICAL JOURNAL, vol.209, 2025 (SCI-Expanded)
- III. **Gold nanoparticles decorated kaolinite mineral modified screen-printed electrode: Use for simple, sensitive determination of gallic acid in food samples**
Saribaş P., Yıldız C., ESKİKÖY BAYRAKTEPE D., Pekin Turan M., YAZAN Z.
Food Chemistry, vol.453, 2024 (SCI-Expanded)
- IV. **Electrochemical detection of bicalutamide in sepiolite clay sensing platform: Its possible electrooxidation mechanism, determination, and DNA interaction**
Eskiköy Bayraktepe D., Polat K., Yıldız C., Yazan Z.
ELECTROANALYSIS, vol.36, no.7, 2024 (SCI-Expanded)
- V. **A new screen-printed carbon sensor decorated gold nanoparticles/kaolinite mineral: electrochemical analysis of propyphenazone and the investigation of ds-DNA interaction**
Yıldız C., ESKİKÖY BAYRAKTEPE D., YAZAN Z.
MONATSHEFTE FÜR CHEMIE, vol.155, no.1, pp.47-55, 2024 (SCI-Expanded)
- VI. **Voltammetric studies on the interaction of ds-DNA with anti-cancer agents imatinib and erlotinib - Comparison of Au and Pt nanoparticle effects to drug-DNA complex formation**
Eskiköy Bayraktepe D., Yıldız C., Yazan Z.
JOURNAL OF MOLECULAR LIQUIDS, vol.388, 2023 (SCI-Expanded)
- VII. **Electrochemical sensor for simultaneous determination of paracetamol, propyphenazone, and caffeine-Electrodes based on poly(L-cystine)/gold nanoparticles plating on pencil graphite**
Urçuk A., Yıldız C., Eskiköy Bayraktepe D., Yazan Z.
MICROCHEMICAL JOURNAL, vol.193, 2023 (SCI-Expanded)
- VIII. **Experimental and theoretical approaches to interactions between DNA and purine metabolism products**
Fitoz A., Yazan Z.
International Journal of Biological Macromolecules, vol.248, 2023 (SCI-Expanded)
- IX. **Two- and Three-Dimensional Strategies for Determining Consecutive Acidity Constants of Ciprofloxacin and Enrofloxacin Using Fluorescent Excitation-Emission Measurements**
Dinç E., Yazan Z., Ertekin Z. C., Yıldız C.
CHEMISTRYSELECT, vol.8, no.27, 2023 (SCI-Expanded)
- X. **The development of electrochemical DNA biosensor based on poly-L-methionine and bimetallic AuPt nanoparticles coating: Picomolar detection of Imatinib and Erlotinib**
Eskiköy Bayraktepe D., Yıldız C., Yazan Z.
TALANTA, vol.257, 2023 (SCI-Expanded)
- XI. **Electrochemical fabrication of poly(L-alanine)-gold nanoparticle nanocomposite-modified electrode: application for determination and mechanism of antipsychotic drug olanzapine**
Tuezuen U. N., Yildiz C., Eskiköy Bayraktepe D., Polat K., Yazan Z.
MONATSHEFTE FÜR CHEMIE, vol.154, pp.95-104, 2023 (SCI-Expanded)
- XII. **Electrochemical sensing of caffeine in real-life samples and its interaction with calf thymus DNA**
Yazan Z., Fitoz A.
CHEMICAL PAPERS, vol.1, pp.1-9, 2023 (SCI-Expanded)
- XIII. **Cream production and biological in vivo/in vitro activity assessment of a novel boron-based compound derived from quercetin and phenyl boronic acid**
Temel H., Atlan M., Ertas A., Yener I., Akdeniz M., YAZAN Z., Yilmaz M. A., DOĞANYIĞİT Z., Okan A., Akyuz E.

Journal of Trace Elements in Medicine and Biology, vol.74, 2022 (SCI-Expanded)

- XIV. **Highly sensitive and disposable electrochemical nano sensor for simultaneous analysis of caffeic acid and uric acid based on halloysite nanotubes and magnetite nanoparticles**
Urcuk A., Yildiz C., ESKİKÖY BAYRAKTEPE D., YAZAN Z.
MICROCHEMICAL JOURNAL, vol.181, 2022 (SCI-Expanded)
- XV. **Preparation of Multiwalled Carbon Nanotubes: Electrochemically Treated Pencil Graphite Electrodes for Nanomolar Detection of L-Tryptophan in Complex Samples**
Yildiz C., ESKİKÖY BAYRAKTEPE D., YAZAN Z.
CHEMISTRYSELECT, vol.7, no.40, 2022 (SCI-Expanded)
- XVI. **Square wave voltammetric pKa determination of aspirin using multi-way data analysis models**
YAZAN Z., ESKİKÖY BAYRAKTEPE D., DİNÇ E.
CHEMICAL PAPERS, vol.76, no.9, pp.5389-5397, 2022 (SCI-Expanded)
- XVII. **A sensitive nanocomposite design via polydopamine mediated Au and Ag nanoparticles: Voltammetric assay for dopamine in biological samples**
KARATAŞ E., Ozden D. S., Yilmaz M., YAZAN Z., Piskin E.
THIN SOLID FILMS, vol.756, 2022 (SCI-Expanded)
- XVIII. **Kinetic and thermodynamic studies on the interaction between calf thymus DNA and food additive vanillin - electrochemical methods**
Urcuk A., Bayraktepe D., Yildiz C., Yazan Z.
JOURNAL OF MOLECULAR LIQUIDS, vol.360, 2022 (SCI-Expanded)
- XIX. **Bismuth nanoparticles decorated on Na-montmorillonite-multiwall carbon nanotube for simultaneous determination of heavy metal ions- electrochemical methods**
Yildiz C., ESKİKÖY BAYRAKTEPE D., YAZAN Z., ÖNAL M.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.910, 2022 (SCI-Expanded)
- XX. **Two-layered Au@Ag Bimetallic Nanocomposites-poly (L-Met) Platform for Highly Sensitive Chlorpheniramine Maleate Detection**
Bayraktepe D., YAZAN Z.
Electroanalysis, vol.34, no.3, pp.445-454, 2022 (SCI-Expanded)
- XXI. **Highly sensitive direct simultaneous determination of zinc(II), cadmium(II), lead(II), and copper(II) based on in-situ-bismuth and mercury thin-film plated screen-printed carbon electrode**
Yildiz C., Bayraktepe D., YAZAN Z.
Monatshefte fur Chemie, vol.152, no.12, pp.1527-1537, 2021 (SCI-Expanded)
- XXII. **Preparation and characterization of a pencil graphite electrode modified with gold nanoparticles decorated poly (L-methionine) and its use in the simultaneous sensitive electrochemical analysis of ascorbic acid, acetaminophen, chlorpheniramine maleate, and caffeine**
Bayraktepe D., İnal E. K., Yazan Z.
Microchemical Journal, vol.171, 2021 (SCI-Expanded)
- XXIII. **Simultaneous Trace Electrochemical Determination of Xanthine Theophylline and Theobromine with a Novel Sensor Based on a Composite Including Metal Oxide Nanoparticle Multi-walled Carbon Nanotube and Nano-Na-montmorillonite Clay**
Fitoz A., YAZAN Z., ÖNAL M.
ELECTROANALYSIS, vol.33, no.10, pp.2226-2234, 2021 (SCI-Expanded)
- XXIV. **Investigation of electrochemical oxidation mechanism, rapid and low-level determination for whitening cosmetic: arbutin in aqueous solution by nano sepiolite clay**
Aydar Barutcu S., ESKIKOY Bayraktepe D., Yazan Z., Polat K., Filik H.
Chemical Papers, vol.75, no.7, pp.3483-3491, 2021 (SCI-Expanded)
- XXV. **Four-way parallel factor analysis of voltammetric four-way dataset for monitoring the etoposide-DNA interaction with its binding constant determination**
YAZAN Z., Bayraktepe D., DİNÇ E.
Bioelectrochemistry, vol.134, 2020 (SCI-Expanded)
- XXVI. **Application of Single-use Electrode Based on Nano-clay and MWCNT for Simultaneous Determination**

of Acetaminophen, Ascorbic Acid and Acetylsalicylic Acid in Pharmaceutical Dosage

Bayraktepe D., YAZAN Z.

Electroanalysis, vol.32, no.6, pp.1263-1272, 2020 (SCI-Expanded)

- XXVII. **Electrochemical low-level detection of l-tryptophan in human urine samples: use of pencil graphite leads as electrodes for a fast and cost-effective voltammetric method**
Yildiz C., Bayraktepe D., YAZAN Z.
Monatshefte fur Chemie, vol.151, no.6, pp.871-879, 2020 (SCI-Expanded)
- XXVIII. **Low-level electrochemical analysis of ketoconazole by sepiolite nanoparticles modified sensor in shampoo sample**
Aydar S., Bayraktepe D., Filik H., YAZAN Z.
Acta Chimica Slovenica, vol.67, no.3, pp.729-738, 2020 (SCI-Expanded)
- XXIX. **Sensitive and cost effective disposable composite electrode based on graphite, nano-smectite and multiwall carbon nanotubes for the simultaneous trace level detection of ascorbic acid and acetylsalicylic acid in pharmaceuticals**
Bayraktepe D., YAZAN Z., ÖNAL M.
Talanta, vol.203, pp.131-139, 2019 (SCI-Expanded)
- XXX. **Electro-oxidation mechanism of meloxicam and electrochemical sensing platform based on graphene nanoparticles for its sensing pharmaceutical sample**
Eroglu M. E., Bayraktepe D., POLAT K., YAZAN Z.
Current Pharmaceutical Analysis, vol.15, no.4, pp.346-354, 2019 (SCI-Expanded)
- XXXI. **A NEW SEPIOLITE CLAY/TiO₂/MULTIWALL CARBON NANOTUBE MODIFIED CARBON PASTE SENSOR FOR THE ADSORPTIVE STRIPPING SQUARE WAVE VOLTAMMETRIC ANALYSIS OF VANILLIN IN LOCAL FOOD SAMPLES**
Erden S., YAZAN Z.
REVUE ROUMAINE DE CHIMIE, vol.63, no.11, pp.977-986, 2018 (SCI-Expanded)
- XXXII. **A comparative application of two-way and three-way analysis to three-dimensional voltammetric dataset for the pK(a) determination of vanillin**
YAZAN Z., Erden S., DİNÇ E.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.826, pp.133-141, 2018 (SCI-Expanded)
- XXXIII. **Wavelet Transform-Based UV Spectroscopy for Pharmaceutical Analysis**
DİNÇ E., YAZAN Z.
FRONTIERS IN CHEMISTRY, vol.6, 2018 (SCI-Expanded)
- XXXIV. **A new sepiolite clay/TiO₂ /multiwall carbon nanotube modified carbon paste sensor for the adsorptive stripping square wave voltammetric analysis of vanillin in local food samples**
Erden S., YAZAN Z.
Revue Roumaine de Chimie, vol.63, no.11, pp.977-986, 2018 (SCI-Expanded)
- XXXV. **A nano-sepiolite clay electrochemical sensor for the rapid electro-catalytic detection of hydroquinone in cosmetic products**
Aydar S., Bayraktepe D., Filik H., YAZAN Z.
Acta Chimica Slovenica, vol.65, no.4, pp.946-954, 2018 (SCI-Expanded)
- XXXVI. **Electrochemical sensor based on a sepiolite clay nanoparticle-based electrochemical sensor for ascorbic acid detection in real-life samples**
Pekin M., Bayraktepe D., YAZAN Z.
Ionics, vol.23, no.12, pp.3487-3495, 2017 (SCI-Expanded)
- XXXVII. **Syntheses, characterization of and studies on the electrochemical behaviour of ferrocenyl dithiophosphonates and 4-methoxyphenyl dithiophosphonates**
SAĞLAM E. G., Erden S., Tutsak O., Bayraktepe D., Durmus Z., DAL H., Ebinc A.
Phosphorus, Sulfur and Silicon and the Related Elements, vol.192, no.3, pp.322-329, 2017 (SCI-Expanded)
- XXXVIII. **Sensitive and selective voltammetric determination of anti-cancer agent shikonin on sepiolite clay/TiO₂ nanoparticle/MWCNTs composite carbon paste sensor and investigation of its electro-oxidation mechanism**

- Bayraktepe D., Yazan Z., Polat K.
Journal of Electroanalytical Chemistry, vol.780, pp.38-45, 2016 (SCI-Expanded)
- XXXIX. **TiO₂ modified carbon paste sensor for voltammetric analysis and chemometric optimization approach of amlodipine in commercial formulation**
Erden S., Bayraktepe D., YAZAN Z., DİNÇ E.
Ionics, vol.22, no.7, pp.1231-1240, 2016 (SCI-Expanded)
- XL. **Electrochemical investigation of 2-[8-hydroxyquinoline-5-yl]azo]benzo[c]cinnoline on a platinum electrode in dimethylsulfoxide**
ÖZTÜRK F., YAZAN Z., ÖLMEZ Ö., Kilic E., Kilic E.
TURKISH JOURNAL OF CHEMISTRY, vol.40, no.4, pp.613-624, 2016 (SCI-Expanded)
- XLI. **Voltammetric determination of etoposide by using Sepiolite clay modified electrode and its interaction with DNA**
Bayraktepe D., Yanardag T., Yazan Z., Aksut A.
Revue Roumaine de Chimie, vol.60, no.4, pp.287-295, 2015 (SCI-Expanded)
- XLII. **Electrochemical oxidation behavior of ezetimibe and its adsorptive stripping determination in pharmaceutical dosage forms and biological fluids**
Ozden D. S., Durmus Z., DİNÇ E.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.41, no.3, pp.1803-1818, 2015 (SCI-Expanded)
- XLIII. **Electrochemical behavior of trazodone at mercury and glassy carbon electrodes and voltammetric methods for its determination**
KAÇAR SELVİ C., Durmus Z., Kilic E.
Asian Journal of Chemistry, vol.26, no.7, pp.1931-1937, 2014 (SCI-Expanded)
- XLIV. **Electrochemical characterization and voltammetric anodic stripping methods for the determination of valsartan**
Gurler N., Bayraktepe D., Durmus Z., DİNÇ E.
Revista de Chimie, vol.64, no.11, pp.1211-1217, 2013 (SCI-Expanded)
- XLV. **Voltammetric stripping methods for direct determination of disopyramide**
Duran M., Durmuş Z., Taşdemir I. H., Kiliç E.
Current Pharmaceutical Analysis, vol.8, no.1, pp.28-36, 2012 (SCI-Expanded)
- XLVI. **Electrochemical oxidation of atorvastatin and its adsorptive stripping determination in pharmaceutical dosage forms and biological fluids**
Eskiköy D., Durmus Z., Kiliç E.
Collection of Czechoslovak Chemical Communications, vol.76, no.12, pp.1633-1649, 2011 (SCI-Expanded)
- XLVII. **Simultaneous Determination of Antimony and Lead in Gunshot Residue by Cathodic Adsorptive Stripping Voltammetric Methods**
Erden S., Durmus Z., Kiliç E.
Electroanalysis, vol.23, no.8, pp.1967-1974, 2011 (SCI-Expanded)
- XLVIII. **Synthesis and electroreduction of 2-[(8-hydroxyquinoline-5-yl)azo]benzo[c]cinnoline in dmsO-H₂O (1:1) medium**
Öztürk F., Durmuş Z., Uçkan Ö. Ö., Kiliç E., Kiliç E.
Collection of Czechoslovak Chemical Communications, vol.75, no.11, pp.1201-1216, 2010 (SCI-Expanded)
- XLIX. **Electroreduction of some substituted hydrazones on platinum electrode in dimethylformamide**
Özel A., Durmuş Z., Yılmaz I., Çukurovalı A., Kiliç E.
Acta Chimica Slovenica, vol.56, no.4, pp.797-806, 2009 (SCI-Expanded)
- L. **Electrochemical Behaviors and Determinations of Some 2,5-Disubstituted Benzoxazole Compounds at the Hanging Mercury Drop Electrode**
Zeybek B., Durmuş Z., Tekiner-Gülbaş B., Ala-Şener E., Yalçın I., Kiliç E.
CURRENT PHARMACEUTICAL ANALYSIS, vol.5, no.1, pp.21-27, 2009 (SCI-Expanded)
- LI. **Electrochemical Behavior of Ornidazole and its Adsorptive Stripping Determination in Pharmaceuticals**
Turan S., Durmus Z., Kilic E.

CURRENT PHARMACEUTICAL ANALYSIS, vol.5, no.4, pp.416-423, 2009 (SCI-Expanded)

- LII. **Spectrofluorimetric assay of ciprofloxacin hydrochloride in tablets**
Durmus Z., Canel E., Kiliç E.
Analytical and Quantitative Cytology and Histology, vol.27, no.3, pp.162-166, 2005 (SCI-Expanded)
- LIII. **Electrochemical investigation of 1,3,5-triphenylformazan and its nitro derivatives in dimethyl sulfoxide**
Gokce G., Durmus Z., Tezcan H., Kilic E., Yilmaz H.
Analytical Sciences, vol.21, no.6, pp.685-688, 2005 (SCI-Expanded)
- LIV. **Liquid-membrane electrode sensitive to ammonia and aliphatic amines based on 1-[(2-oxyphenyl)iminomethyl]-2-oxybenzene-0,0', N-ammin-nickel(II) complex**
Basgut O., Durmus Z., Atakol O., Kilic E.
Talanta, vol.57, no.4, pp.813-817, 2002 (SCI-Expanded)
- LV. **Electrochemical behaviours of 2-bromobenzo[c]cinnoline-6-oxide and 2-nitrobenzo[c]cinnoline-6-oxide at mercury electrode**
Yazan Z., Solak A. O., Durmuş S., Kılıç E.
Bulletin Of Electrochemistry, vol.18, no.11, pp.509-514, 2002 (SCI-Expanded)
- LVI. **Crystal structure of a symmetrical heterotrinary NiII-MnII-NiII complex: Bis{(N,N'-dimethylformamide) (μ-acetato) [μ-N,N'-bis(salicylidene)-2-hydroxy-1,3-propanediamine]nickel(II)} manganese(II)**
Atakol O., NAZIR H., Durmus Z., Svoboda I., Fuess H.
Analytical Sciences, vol.18, no.4, pp.493-494, 2002 (SCI-Expanded)
- LVII. **Investigations on some heterotrinary complexes of nickel(II) and copper(II)**
Atakol O., Durmus S., Durmus Z., Arici C., Cicek B.
Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry, vol.31, no.9, pp.1689-1704, 2001 (SCI-Expanded)
- LVIII. **{[μ-N,N'-Bis(salicylidene)-2,2'-dimethyl-1,3-propanediamine] (piperidine)copper(II)}dibromozinc(II)**
Svoboda I., Arici C., Nazir H., Durmus Z., Atakol O., Fuess H.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.57, 2001 (SCI-Expanded)
- LIX. **Electrochemical behaviour of 3,8-difluorobenzo[c]cinnoline at mercury electrode**
Durmus Z., Solak A., Durmus S., Kilic E.
TALANTA, vol.55, no.2, pp.357-362, 2001 (SCI-Expanded)
- LX. **Electrochemical behavior of benzo[c]cinnoline-N-oxide at mercury electrode**
Durmus Z., Solak A., Durmus S., Kilic E.
Analytical Sciences, vol.16, no.1, pp.1-4, 2000 (SCI-Expanded)

Articles Published in Other Journals

- I. **An adsorptive stripping voltammetric study based on disposable pencil graphite sensor for the determination of caffeine in local brand ice tea**
Zereykaya b., Eskiköy Bayraktepe D., YAZAN Z.
Cumhuriyet Science Journal, vol.41, no.3, pp.680-689, 2020 (Peer-Reviewed Journal)
- II. **NiO Modifiye Karbon Pasta Sensör Yüzeyinde Bakır ve Kadmiyum'un Anodik Sıyırma Voltametrisi ile Tayini**
YILDIZ C., ESKİKÖY BAYRAKTEPE D., YAZAN Z.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.7, no.3, pp.1403-1416, 2019 (Peer-Reviewed Journal)
- III. **Electrochemical oxidation pathway of the anti-cancer agent dasatinib using disposable pencil graphite electrode and its adsorptive stripping voltammetric determination in biological samples**
Eskiköy Bayraktepe D., POLAT K., YAZAN Z.
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.5, no.2, pp.381-392, 2018 (Scopus)

IV. Tuzla Amaçlı Yeni Bir Buharlaştırma Sistemi

Yazan Z.

Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.8, no.1, pp.10-16, 2006 (Peer-Reviewed Journal)

Books

I. 22. Bölüm

Ertaş F. N., Gündoğdu A., İnam R., Akkaş Kavaklı P., Kavaklı C., Nakiboğlu N., Özdeş D., Yazan Z., Bağda E., Çiftçi T. D., et al.

in: Analitik kimya, Recai İnam, Editor, Palme Yayınevi, Ankara, pp.735-768, 2021

Papers Published in Refereed Scientific Meetings

I. ELECTROCHEMICAL DETERMINATION OF ANTIOXIDANT GALLIC ACID BASED ON METAL NANOPARTICLES DECORATED NATURAL MINERAL USING ECO-FRIENDLY ELECTROCHEMICAL NANOSENSOR

Yazan Z., Eskiköy Bayraktepe D.

AACD2023 12th Eagen analytical chemistry , İstanbul, Turkey, 19 - 22 October 2023

II. HIGHLY SENSITIVE DIRECT SIMULTANEOUS DETERMINATION OF ZINC (II) CADMIUM (II) LEAD (II) AND COPPER (II) BASED ON IN-SITU-BISMUTH AND MERCURY THIN FILM PLATED SCREEN-PRINTED CARBON ELECTRODE

Yazan Z., Eskiköy Bayraktepe D.

AACD2023 12th Eagen analytical chemistry days , İstanbul, Turkey, 19 - 22 October 2023

III. Electrochemical DNA Biosensor Based on Screen Printed Carbon Electrode Modified with P(L-Methionine)/Au-Pt Nanoparticles/DNA for the Detection of Erlotinib

Yazan Z., Eskiköy Bayraktepe D.

12th Aegean Analytical Chemistry days , İstanbul, Turkey, 19 - 22 October 2023, no.35, pp.1-355

IV. Electrochemical development of poly(L alanine) gold nanoparticles modified electrode for the determination and mechanism of antipsychotic drug olanzapine

Tüzün Ü. N., Yıldız C., Eskiköy Bayraktepe D., Polat K., Yazan Z.

PBA2023, 33rd International Symposium on Pharmaceutical and Biomedical Analysis, Ankara, Turkey, 2 - 06 July 2023, pp.125-126

V. Three-Way Analysis of Potential-Frequency Dataset for the Determination of the pKa Values of Aspirin by Parallel Factor Analysis Model

YAZAN Z., ESKİKÖY BAYRAKTEPE D., DİNÇ E.

International Conference on New Trends in Chemometrics and Applications, 1 - 04 May 2019

VI. A FOUR-WAY ANALYSIS OF FOUR-DIMENSIONAL VOLTAMMETRIC DATASET FOR MONITORING THE INTERACTION OF ETPOSIDO AND CALF THYMUS DNA USING PARAFAC MODEL

ESKİKÖY BAYRAKTEPE D., YAZAN Z., DİNÇ E.

International Conference on New Trends in Chemometrics and Applications, 1 - 04 May 2019

VII. Parallel factor analysis of voltammetric data arrays for the enrofloxacin's pKa prediction using cyclic and square wave voltammetry, analysis

Yazan Z., Dinç E.

4th International Conference on New Trends: in Chemometrics and Applications,, Muğla, Turkey, 1 - 04 May 2019, pp.1-2

VIII. A Four-Way Analysis of Four-Dimensional Voltammetric Dataset for Monitoring The Interaction of Etoposide and Calf Thymus DNA Using PARAFAC Model

Eskiköy Bayraktepe D., YAZAN Z., DİNÇ E.

4th International Conference on New Trends in Chemometrics and Applications, 1 - 04 May 2019

- IX. **Fast and sensitive adsorptive stripping voltammetric determination of anti-cancer drug etoposide by SEP/MWCNTs/TiO₂ composite modified carbon paste electrode''**
 Yazan Z., Dinç E.
 29th International Symposium on Pharmaceutical and Biomedical Analysis, Leuven, Belgium, 9 - 12 September 2018, pp.1-2
- X. **Chemometric pKa determination of ciprofloxacin by PARAFAC application to cyclic and square wave voltammetric data analysis**
 Yazan Z., Dinç E.
 International Symposium on Pharmaceutical and Biomedical Analysis, Leuven, Belgium, 9 - 13 September 2018, pp.1-2
- XI. **Fast and sensitive adsorptive stripping voltammetric determination of anti-cancer drug etoposide by SEP/MWCNTs/TiO₂ composite modified carbon paste electrode**
 Yazan Z., Eskiköy Bayraktepe D.
 International Symposium on Drug Analysis & 29th International Symposium on Pharmaceutical and Biomedical Analysis, Leuven, Belgium, 9 - 12 September 2018, pp.1-2
- XII. **Electrochemical Sensor For The Determination of Anti-Cancer Shikonin Based on NSC/TiO₂/MWCNTs Composite**
 ESKİKÖY BAYRAKTEPE D., YAZAN Z.
 12th International Symposium on Pharmaceutical Sciences-ISOPS2018, 26 - 29 June 2018
- XIII. **An Electrochemical Sensor For Sensitive and Fast Detection of Mitoxantrone Based On Nanosepiolite Electrode**
 ESKİKÖY BAYRAKTEPE D., YILDIZ C., YAZAN Z.
 12th International Symposium on Pharmaceutical Sciences-ISOPS2018, 26 - 29 June 2018
- XIV. **Simultaneous Determination of Copper and Cadmium at NiO Modified Carbon Paste Sensor by Anodic Stripping Voltammetry**
 YILDIZ C., ESKİKÖY BAYRAKTEPE D., YAZAN Z.
 International Trace Analysis Congress-ITAC2018, 20 - 23 June 2018
- XV. **A Novel Electrochemical Sensor for Simultaneous Analysis of Ascorbic Acid and Acetyl Salicylic Acid Using BENT/MWCNTs Composite Modified Pencil Graphite Electrode**
 ESKİKÖY BAYRAKTEPE D., YAZAN Z.
 International Trace Analysis Congress 2018 (ITAC 2018), 20 - 23 June 2018
- XVI. **Voltammetric determination of hydroquinone in cosmetic products by using clay modified carbon paste electrodes**
 Aydar S., YAZAN Z.
 ANCON International congress on chemistry and materials science, 5 - 07 October 2017
- XVII. **Square wave voltammetric determination of cefpodoxime proxetil by using pencil graphite electrode**
 Erden S., YAZAN Z.
 ANCON International congress on chemistry and materials science, 5 - 07 October 2017
- XVIII. **Voltammetric determination of hydroquinone in some cosmetic products by using carbon paste electrodes**
 Aydar S., YAZAN Z.
 ANCON International congress on chemistry and materials science, 5 - 07 October 2017
- XIX. **Adsorptive Stripping voltammetric determination of the anti-cancer agent dasatinib using disposable pencil-Graphite Electrode**
 Eskiköy Bayraktepe D., YAZAN Z., POLAT K.
 ANCON International congress of chemistry and materials sciences, Ankara, Turkey, 5 - 07 October 2017
- XX. **Adsorptive Stripping Voltammetric Determination of the Anti-Cancer Agent Dastanib Using Disportable Pencil-Graphite Electrode.**
 Eskiköy Bayraktepe D., Yazan Z., Polat K.
 ANCON 2017, International Congress on Chemistry and Materials Science, Ankara, Turkey, 5 - 10 October 2017
- XXI. **Voltammetric Mitoxantrone Determination in Biological and Pharmaceutical Samples Using a Carbon**

Paste Sensor Modified with Sepiolite Clay

ESKİKÖY BAYRAKTEPE D., YILDIZ C., YAZAN Z.

"International Congress on Chemistry and Materials Science", 5 - 07 October 2017

- XXII. **Anti-cancer agent bicalutamide determination on sepiolite modified carbon paste sensor by differential pulse and square wave voltammetry**
YAZAN Z., ESKİKÖY BAYRAKTEPE D.
Recent Developments in Pharmaceutical Analysis - RDPA 2017, 20 - 23 September 2017
- XXIII. **Investigating the interaction of DNA and bicalutamide by using cyclic and differential pulse voltammetric methods**
YAZAN Z., ESKİKÖY BAYRAKTEPE D.
Recent Developments in Pharmaceutical Analysis - RDPA 2017, 20 - 23 September 2017
- XXIV. **Anti-cancer agent shikonin determination on modified carbon paste sensor by adsorptive stripping voltammetry and interaction with ds-DNA**
ESKİKÖY BAYRAKTEPE D., YAZAN Z.
3. Uluslararası İlaç ve Eczacılık Kongresi, 26 - 29 April 2017
- XXV. **Anti-cancer agent shikonin determination on modified carbon paste sensor by adsorptive stripping voltammetry and interaction with ds-DNA**
Yazan Z., Eskiköy Bayraktepe D.
3. ilaç ve Eczacılık kongresi, İstanbul, Turkey, 26 - 29 April 2017, pp.1-3
- XXVI. **A New Sepiolite Clay TiO₂ Multiwall Carbon Nanotube Modified Carbon Paste Sensor for the Adsorptive Stripping Square Wave Voltammetric Analysis of Vanillin in Local Food Samples**
Erden S., DURMUŞ Z.
10th Aegean analytical Chemistry, 29 September - 02 October 2016
- XXVII. **Novel Electrochemical Sensor Based on Sepiolite Clay Modified Carbon Paste Electrode for Ascorbic Acid Detection**
Pekin M., Eskiköy Bayraktepe D., DURMUŞ Z.
10th Aegean analytical Chemistry Days, 29 September - 02 October 2016
- XXVIII. **Sensitive and Selective Voltammetric Approach for Determination of Anti Cancer Drug Etoposide Based on Sepiolite clay TiO₂ nanoparticles Modified Carbon Paste Sensor and Investigation of its Interaction with DNA**
Eskiköy Bayraktepe D., DURMUŞ Z.
10th Aegean analytical Chemistry Days, 29 September - 02 October 2016
- XXIX. **Multivariate curve resolution alternating least squares Method for the determination of the pKa value of Ascorbic acid using square wave voltammetry**
Erden S., DURMUŞ Z., DİNÇ E.
3rd International Conference On New Trends in Chemometric and Applications, 25 - 28 May 2016
- XXX. **PARAFAC and Multivariate Curve Resolution Approaches to the Determination of the pKa Value of Vanillin Using Square Wave Voltammetry**
Erden S., DURMUŞ Z., DİNÇ E.
3rd International Conference On New Trends in Chemometric and Applications, 25 - 28 May 2016
- XXXI. **Multivariate Curve Resolution Alternating Least Squares Method for the Determination of the pKa Value of Ascorbic Acid Using Square Wave Voltammetry**
Erden S., YAZAN Z., DİNÇ E.
Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016
- XXXII. **Electrochemical Behavior of Trazodone and Voltammetric Methods for its Direct Determination**
KAÇAR SELVİ C., TAŞDEMİR İ. H., YAZAN Z., KILIÇ E.
9th International Electrochemistry Meeting in Turkey, 25 - 29 September 2011
- XXXIII. **Voltammetric Stripping Methods to Assay of Trazodone HCl in Pharmaceutical Formulations and Biological Medium**
KAÇAR SELVİ C., YAZAN Z., KILIÇ E.
7th Aegean Analytical Chemistry Days-AACD2010, 29 September - 03 October 2010

- XXXIV. **Bazı Tiyazol Türevlerinin Elektrokimyasal Davranışlarının İncelenmesi**
DEMİREL ÖZEL A., YAZAN Z., YILMAZ İ., ÇUKUROVALI A., KILIÇ E.
XX. Ulusal Kimya Kongresi, Turkey, 4 - 08 September 2006
- XXXV. **Electrochemical Investigation of Some Novel Salicylaldehyde Thiazolyl Hydrazones in N N Dimethylformamide**
DEMİREL ÖZEL A., YAZAN Z., YILMAZ İ., ÇUKUROVALI A., KILIÇ E.
3rd Black Sea Basin Conference on Analytical Chemistry, 20 - 23 September 2005
- XXXVI. **Bazı Hidrazonların Asılı Cıva Elektrotta Elektrokimyasal Davranışlarının İncelenmesi**
DEMİREL ÖZEL A., YAZAN Z., YILMAZ İ., ÇUKUROVALI A., KILIÇ E.
XIX. Ulusal Kimya Kongresi, Turkey, 30 September - 04 October 2005
- XXXVII. **BENZO[c]SİNNOLİN TÜREVİ YARDIMIYLA NİKEL TAYİNİ İÇİN SPEKTROFOTOMETRİK YÖNTEM GELİŞTİRİLMESİ**
Yazan Z., Öztürk F., Kılıç E., Kılıç E.
XIX. Ulusal Kimya Kongresi, Kuşadası, 2005 , Muğla, Turkey, 30 September - 04 October 2005, pp.1-2
- XXXVIII. **Bazı Tiyazol Türevlerinin Elektrokimyasal Davranışlarının İncelenmesi2**
DEMİREL ÖZEL A., YAZAN Z., YILMAZ İ., ÇUKUROVALI A., KILIÇ E.
6. Elektrokimya Günleri, Turkey, 29 June - 01 July 2005
- XXXIX. **Tetranükleer Cu Hg Kompleksleri**
AKAY M. A., ARICI C., DURMUŞ S., DURMUŞ Z., CANEL E., ERCAN F.
Kimya 99, 13. Ulusal Kimya Kongresi, Samsun , Turkey, 31 August - 04 September 1999, pp.143

Supported Projects

- Yazan Z., Project Supported by Higher Education Institutions, Endokrin bozucu maddelerin neden olduğu DNA hasarının tayini için elektrokimyasal sensörlerin hazırlanması, 2023 - 2024
- Yazan Z., Project Supported by Higher Education Institutions, Şizofreni Tedavisinde Kullanılan Bazı Antipsikotik İlaç Etken Maddelerin Elektroanalitik Tayini İçin Sensör Geliştirilmesi ve DNA ile Etkileşimleri, 2022 - 2024
- Yazan Z., Eskişehir Bayraktepe D., TÜBİTAK Project, Bazı Antikanser İlaçların Biyouyumlu DNA Biyosensörü ile Tayinleri ve DNA ile Etkileşimlerinin İncelenmesi, 2021 - 2022
- Yazan Z., Eskişehir Bayraktepe D., Project Supported by Higher Education Institutions, Bentonit kiline dayanan, sudaki ağır metallerin tayinine yönelik basit, uygulanabilir, ekonomik bir karbon esaslı perde baskılı voltametik sensör geliştirilmesi, 2020 - 2022
- Yazan Z., Fitoz A., Project Supported by Higher Education Institutions, Bazı Ksantin Türevlerinin Modifiye Kalem Grafit Elektrotta Elektrokimyasal Tayini ve DNA ile Etkileşimleri, 2020 - 2022
- Yazan Z., Project Supported by Higher Education Institutions, Modifiye karbon pasta elektrotlar kullanılarak bazı kozmetik ürünlerde kullanılan arbutin ve pantotenik asitin voltametik analizi, 2017 - 2018
- YAZAN Z., Project Supported by Higher Education Institutions, Askorbik asit ve/veya kafeinin nano malzemelerle modifiye edilmiş karbon elektrot yüzeylerinde voltametik analizi, 2016 - 2017
- YAZAN Z., Project Supported by Higher Education Institutions, Grafen oksit ve veya kil ve veya iletken polimerler ile modifiye edilmiş elektrotların hazırlanması ve bazı ilaç etken maddelerin tayini, 2015 - 2016
- YAZAN Z., TÜBİTAK Project, Bazı ilaç etken maddelerinin tayini için çeşitli modifiye karbon pasta elektrotların hazırlanması elektrokatalitik etkinin ve DNA ile etkileşimlerinin araştırılması, 2013 - 2014
- Yazan Z., TÜBİTAK Project, Bazı anti kanser ilaçlarının tayini için adsorptif sıyırma yöntemlerinin geliştirilmesi ve DNA ile etkileşimlerinin incelenmesi, 2012 - 2013
- YAZAN Z., TÜBİTAK Project, Bazı antidepresan ilaçlarının elektrokimyasal davranışlarının incelenmesi ve tayini için elektrokimyasal yöntem geliştirilmesi, 2008 - 2009
- YAZAN Z., TÜBİTAK Project, Bazı Schiff Bazlarının Elektrokimyasal Davranışlarının İncelenmesi ve Eser Element Tayini İçin yöntem geliştirilmesi, 2005 - 2007
- Yazan Z., Kılıç E., Demirel Özel A., Öztürk F., Project Supported by Higher Education Institutions, Bazı Schiff Bazlarının Elektrokimyasal Davranışlarının İncelenmesi ve Eser Element Tayini İçin Yöntem Geliştirilmesi, 2004 - 2007

Kılıç E., Yazan Z., Demirel Özel A., Zeybek B., Project Supported by Higher Education Institutions, Bazı 1 2 4 triazol Türevlerinin Elektrokimyasal Davranışlarının İncelenmesi, 2005 - 2006
YAZAN Z., TUBITAK Project, Bazı 1 2 4 triazol 5 on türevlerinin elektrokimyasal davranışlarının incelenmesi, 2005 - 2006
Kılıç E., Canel E., Yazan Z., Çetin A., Kormalı Ertürün H. E., Demirel Özel A., Erden S., Project Supported by Higher Education Institutions, Makrosiklik Bileşiklerin İyon Seçici Elektrot Yapımında Kullanımı, 2003 - 2006
Kılıç E., Canel E., Yazan Z., Doğan A., Kormalı H. E., Erden S., DEMİREL ÖZEL A., Project Supported by Higher Education Institutions, Makrosiklik bileşiklerin iyon-seçici elektrot yapımında kullanımı, 2002 - 2006
YAZAN Z., TUBITAK Project, Benzo c cinnolin ve benzo c cinnolin N oksit türevlerinin sentezi ve çeşitli voltametrik metotlarla elektrokimyasal davranışlarının incelenmesi, 1998 - 2000

Peer Reviews in Scientific Publications

MICROCHEMICAL JOURNAL, SCI Journal, September 2024
HELIYON, SCI Journal, September 2024
JOURNAL OF MOLECULAR LIQUIDS, SCI Journal, September 2024
TALANTA, SCI Journal, September 2024
CHEMISTRYSELECT, SCI Journal, September 2024
NANOSCALE, SCI Journal, December 2022
JOURNAL OF MOLECULAR LIQUIDS, SCI Journal, October 2022
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, SCI Journal, October 2022
JOURNAL OF MOLECULAR LIQUIDS, SCI Journal, July 2022
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, SCI Journal, March 2021
MICROCHEMICAL JOURNAL, SCI Journal, March 2020
ELECTROANALYSIS, SCI Journal, January 2019

Metrics

Publication: 106
Citation (WoS): 557
Citation (Scopus): 560
H-Index (WoS): 15
H-Index (Scopus): 16