

## Prof. ZEHRA YAZAN

### Personal Information

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### International Researcher IDs

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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

Elektrokimyasal biyosensörler, Doctorate, 2022 - 2023

Tez çalışması, Postgraduate, 2021 - 2022

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  
Tez çalışması sağlık bilimleri, Doctorate, 2021 - 2022  
Adli kimyada analitik yöntemler, Postgraduate, 2022 - 2023  
Uzmanlık alan dersi, Doctorate, 2021 - 2022  
Uzmanlık alan dersi, Doctorate, 2022 - 2023  
Uzmanlık alan dersi, Doctorate, 2021 - 2022  
Analitik Kimya I , Undergraduate, 2022 - 2023  
Voltametrik sıyırma yöntemleri, Postgraduate, 2022 - 2023  
Seminer, Postgraduate, 2021 - 2022

## Advising 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 voltametrik 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 voltametri 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 voltametrik 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

1. **Gold nanoparticles decorated kaolinite mineral modified screen-printed electrode: Use for simple, sensitive determination of gallic acid in food samples**

Sarıbaşı P., Yıldız C., ESKİKÖY BAYRAKTEPE D., Pekin Turan M., YAZAN Z.

Food Chemistry, vol.453, 2024 (SCI-Expanded)

- II. **Electrochemical detection of bicalutamide in sepiolite clay sensing platform: Its possible electrooxidation mechanism, determination, and DNA interaction**  
ESKİKÖY BAYRAKTEPE D., POLAT K., Yıldız C., YAZAN Z.  
ELECTROANALYSIS, vol.36, no.7, 2024 (SCI-Expanded)
- III. **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)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **Electrochemical fabrication of poly(L-alanine)-gold nanoparticle nanocomposite-modified electrode: application for determination and mechanism of antipsychotic drug olanzapine**  
Tuezuen U. N., Yıldız C., ESKİKÖY BAYRAKTEPE D., POLAT K., YAZAN Z.  
MONATSHEFTE FÜR CHEMIE, vol.154, pp.95-104, 2023 (SCI-Expanded)
- X. **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)
- XI. **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)
- XII. **Preparation of Multiwalled Carbon Nanotubes: Electrochemically Treated Pencil Graphite Electrodes for Nanomolar Detection of L-Tryptophan in Complex Samples**  
Yıldız C., ESKİKÖY BAYRAKTEPE D., YAZAN Z.  
CHEMISTRYSELECT, vol.7, no.40, 2022 (SCI-Expanded)
- XIII. **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., Yıldız C., ESKİKÖY BAYRAKTEPE D., YAZAN Z.  
MICROCHEMICAL JOURNAL, vol.181, 2022 (SCI-Expanded)
- XIV. **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)

- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **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 für Chemie, vol.152, no.12, pp.1527-1537, 2021 (SCI-Expanded)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **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)
- XXV. **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 für Chemie, vol.151, no.6, pp.871-879, 2020 (SCI-Expanded)
- XXVI. **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)

- XXVII. **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)
- XXVIII. **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)
- XXIX. **A NEW SEPIOLITE CLAY/TiO<sub>2</sub>/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)
- XXX. **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)
- XXXI. **Wavelet Transform-Based UV Spectroscopy for Pharmaceutical Analysis**  
DİNÇ E., YAZAN Z.  
FRONTIERS IN CHEMISTRY, vol.6, 2018 (SCI-Expanded)
- XXXII. **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)
- XXXIII. **A new sepiolite clay/TiO<sub>2</sub> /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)
- XXXIV. **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)
- XXXV. **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)
- XXXVI. **Sensitive and selective voltammetric determination of anti-cancer agent shikonin on sepiolite clay/TiO<sub>2</sub> 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)
- XXXVII. **TiO<sub>2</sub> 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)
- XXXVIII. **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)
- XXXIX. **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)

- XL. **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)
- XLII. **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)
- XLIII. **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)
- XLIV. **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)
- XLV. **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)
- XLVI. **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)
- XLVII. **Synthesis and electroreduction of 2-[(8-hydroxyquinoline-5-yl)azo]benzo[c] cinnoline in dmsO-H<sub>2</sub>O (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)
- XLVIII. **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)
- XLIX. **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)
- L. **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)
- L. **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)
- LI. **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)
- LII. **Liquid-membrane electrode sensitive to ammonia and aliphatic amines based on 1-[(2-oxyphenyl)iminomethyl]-2-oxybenzene-O,O', N-ammin-nickel(II) complex**  
Basgut O., Durmus Z., Atakol O., Kilic E.

Talanta, vol.57, no.4, pp.813-817, 2002 (SCI-Expanded)

- LIII. **Crystal structure of a symmetrical heterotrinnuclear NiII-MnII-NiII complex: Bis{(N,N'-dimethylformamide) ( $\mu$ -acetato) [ $\mu$ -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)
- LIV. **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., Kiliç E.  
Bulletin Of Electrochemistry, vol.18, no.11, pp.509-514, 2002 (SCI-Expanded)
- LV. **Investigations on some heterotrinnuclear 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)
- LVI. **{[ $\mu$ -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)
- LVII. **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)
- LVIII. **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 & Book Chapters

- 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

## Refereed Congress / Symposium Publications in Proceedings

- 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.  
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