



# SİBEL AYŞIL ÖZKAN

## PROF.

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### Learning Knowledge

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Doctorate  
1988 - 1994

Ankara University, Sağlık Bilimleri Enstitüsü, Analitik Kimya (Dr), Turkey

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Postgraduate  
1986 - 1988

Ankara University, Sağlık Bilimleri Enstitüsü, Analitik Kimya (YI) (Tezli), Turkey

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Undergraduate  
1981 - 1985

Ankara University, Eczacılık Fakültesi, Eczacılık Pr., Turkey

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Bazı ilaçların elektroanalitik incelenmesi, Ankara University, Sağlık Bilimleri Enstitüsü, Analitik Kimya (Dr), 1994

Postgraduate, Kateşolamin türevi bazı ilaçların elektroanalitik ve analitik incelenmesi, Ankara University, Sağlık Bilimleri Enstitüsü, Analitik Kimya (YI) (Tezli), 1988

### Academic Titles / Tasks

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## Supported Projects

1. Özkan S. A., TUBITAK Project, Sentetik Onkolitik/Yüksek-Etkili (High-Potent) İlaç Etken Maddeleri, Hammaddeleri, İn-Proses Kontrol ve Ara Ürünleri için Analitik Metot Geliştirme ve Validasyon Çalışmaları,, 2020 - 2027
2. Özkan S. A., Sezgintürk M. K., Ünal M. A., TUBITAK Project, Development of new analytic tools and pathways to accelerate diagnosis and diagnostic monitoring of rare diseases: Metabolic test in vivo for malignant hyperthermia, 2023 - 2026
3. Özkan S. A., TUBITAK Project, Akut Lenfoblastik Lösemi Tanısına Yönelik Seçilmiş Metabolitlerin Tayini İçin Nanomateryal Katkılı Moleküler Baskılama Temelli İmpedimetrik Sensörler Geliştirilmesi, 2023 - 2025
4. Özkan S. A., Nazır H., Sezgintürk M. K., Arı F., Ünal M. A., Güneş Altuntaş E., Project Supported by Higher Education Institutions, Aflatoksin Analizinde Biyosensör Temelli Analiz Yöntemi Araştırması, 2023 - 2025
5. Özkan S. A., Arı F., Sezgintürk M. K., Ünal M. A., Özçelikay Akyıldız G., Nazır H., Project Supported by Higher Education Institutions, Beyin hasarı biyobelirteci Glial Fibriler Asidik Protein (GFAP) tespitine yönelik kütle duyarlı immünoensör geliştirilmesi, 2022 - 2025
6. Özkan S. A., Ünal M. A., TÜBİTAK International Bilateral Joint Cooperation Program Project, Buğdayda Aflatoksin ve Deoksinivalenol İçin Senkron İmmünoassay Teknikleri Üzerine Araştırma, 2022 - 2025
7. Özkan S. A., Uslu B., Özçelikay Akyıldız G., Ünal M. A., TÜBİTAK International Multi-Cooperation Project, Kantitatif Ölçüme Uygun, Uzun Ömürlü Hasta Başı Tanı Cihazı, 2021 - 2025
8. Özkan S. A., Nemutlu E., Reçber T., TUBITAK Project, Mikroçip Elektroferez Teknolojisine Dayalı Poc Kullanarak Invaziv Olmayan Bir Tanı Prosedürü Geliştirmek İçin Astımlı Ve Koah Hastalarının Nefes Kondensat Örneklerinde (Ebc) Metabolomik Profili Ile Yeni Biyobelirteçlerin Belirlenmesi, 2021 - 2025
9. Özkan S. A., Gümüştaş M., Other International Funding Programs, GREENNESS OF OFFICIAL STANDARD SAMPLE PREPARATION METHODS, 2021 - 2025
10. Özkan S. A., Other International Funding Programs, A review of current status of analytical chemistry education, 2020 - 2025
11. Özkan S. A., Demirbakan B., Uludağ İ., Özyurt C., Özcan B., Sezgintürk M. K., Yılmaz Aktuna A., Ünal M. A., Project Supported by Higher Education Institutions, Dolaşan Tümör Hücrelerinin Lateral Flow (Yanal Akış) Sistemiyle Tespiti, 2023 - 2024
12. Gümüştaş M., Sevin S., Süzen H. S., Özkan S. A., Uzunoğlu A., İpekçi H. H., Tutun H., Project Supported by Higher Education Institutions, Arı Ürünlerinde Flumetrim Kalıntısının Tespiti İçin Tek Kullanımlık Sensör Sistemlerinin Geliştirilmesi, 2022 - 2024
13. Özkan S. A., Project Supported by Higher Education Institutions, Akciğer adenokarsinom hücre hattında erlotinib maruziyeti ile değişen metabolomik profilin incelenmesi, 2022 - 2024
14. Özkan S. A., Project Supported by Other Official Institutions, Determination of Some Endocrine Disrupting Chemicals with Selective and Sensitive Sensors, 2021 - 2023
15. ÖZKAN S. A., Project Supported by Higher Education Institutions, Eletriptan Hidrobromür içeren polimerik nanopartiküllerin hazırlanması ve yüksek performanslı sıvı kromatografisi ile in vitro değerlendirilmesine yönelik analiz yöntemi geliştirilmesi, 2017 - 2017
16. DOĞAN TOPAL B., ÖZKAN S. A., ÖZÇELİKAY G., Project Supported by Higher Education Institutions, Antiviral ilaç etken maddesi Tenofovir'in elektroanalitik incelenmesi için nanosensör tasarımı, 2016 - 2017
17. Doğan Topal B., Özkan S. A., Özçelikay Akyıldız G., Project Supported by Higher Education Institutions, Tenofovir in elektrokimyasal davranışının çeşitli voltametrik yöntemlerle incelenmesi, 2016 - 2016
18. Özkan S. A., Doğan Topal B., Project Supported by Higher Education Institutions, Antipsikotik aripiprazol ilaç etken maddesinin DNA ve hasarlı DNA ile etkileşiminin elektrokimyasal olarak incelenmesine ait biyosensör geliştirilmesi,

2015 - 2016

19. KURBANOĞLU S., ÖZKAN S. A., Project Supported by Higher Education Institutions, Çeşitli İlaçların Tirozinaz İnhibisyonundaki Rollerini İncelemek Amaçlı Elektrokimyasal Nanobiyosensor Tasarımı, 2014 - 2016
20. ÖZKAN S. A., Project Supported by Higher Education Institutions, Antineoplastik ilaç etken maddelerinin modifiye katı elektrotlar ile elektroanalitik incelenmesi ve nanosensör tasarımı 12L3336002, 2013 - 2015
21. HASÇİÇEK C., BAKAR ATEŞ F., ÖZKAN S. A., ŞENGEL TÜRK C. T., TÜBİTAK Project, Meme kanseri tedavisinde kullanılmak üzere fulvestrant yüklü polimerik nanopartiküler sistemlerin geliştirilmesi, 2012 - 2015

## Jury Memberships

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Anadolu Üniversitesi, December, 2022

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Adıyaman Üniversitesi, September, 2022

## Published journal articles indexed by SCI, SSCI, and AHCI

1. **A molecularly imprinted polymer-based detection platform confirmed through molecular modeling for the highly sensitive and selective analysis of ipratropium bromide**  
Piskin E., Cetinkaya A., ÜNAL M. A., ÖZGÜR E., Atici E. B., UZUN L., ÖZKAN S. A.  
Journal of Pharmaceutical and Biomedical Analysis, vol.248, 2024 (SCI-Expanded)
2. **An electrochemical sensor based on carbon nanofiber and molecular imprinting strategy for dasatinib recognition**  
Yıldız E., Cetinkaya A., Çorman M. E., Atici E. B., UZUN L., ÖZKAN S. A.  
Bioelectrochemistry, vol.158, 2024 (SCI-Expanded)
3. **Selective and Sensitive MIP-Based Electrochemical Sensor for the Analytical Determination of Lanreotide**  
Ozkan E., Emin Çorman M., NEMUTLU E., ÖZKAN S. A., Kır S.  
Microchemical Journal, vol.202, 2024 (SCI-Expanded)
4. **Activates B lymphocytes and enhanced immune response: A promising adjuvant based on PLGA nanoparticle to improve the sensitivity of ZEN monoclonal antibody**  
Pang C., Yuan B., Ren K., Xu H., Nie K., Yu C., Liu Z., Zhang Y., ÖZKAN S. A., Yang Q.  
Talanta, vol.274, 2024 (SCI-Expanded)
5. **A green perspective for the first electrochemical detection and application of balsalazide via recycled waste core-shell carbon/CdO nanoparticles-based hybrid nanosensor**  
BİLGE YÜCEL S., Karadurmus L., Sınağ A., ÖZKAN S. A.  
Microchemical Journal, vol.202, 2024 (SCI-Expanded)
6. **Impurity assessment, development and validation of an RP-HPLC method for the determination of eleven potential impurities of eltrombopag precursor**  
Demirhan T., Guksu E., Yazar Y., Keskin E., Bellur Atici E., ÖZKAN S. A.  
Journal of Pharmaceutical and Biomedical Analysis, vol.243, 2024 (SCI-Expanded)
7. **Plant-based zinc nanoflowers assisted molecularly imprinted polymer for the design of an electrochemical sensor for selective determination of abrocitinib**  
Cetinkaya A., Yusufbeyoglu S., Kaya S. I., Kilic A. B., Atici E. B., ÖZKAN S. A.  
MICROCHIMICA ACTA, vol.191, no.6, 2024 (SCI-Expanded)
8. **Sensitive and selective electrochemical sensor for palbociclib, a highly selective CDK4/6 inhibitor, based on molecularly imprinted polymer**  
Cheraghi S., Cetinkaya A., Kaya S. I., Atici E. B., ÖZKAN S. A.  
Microchemical Journal, vol.201, 2024 (SCI-Expanded)

9. **Highly selective and sensitive molecularly imprinted sensors for the electrochemical assay of quercetin in methanol extracts of *Rubus sanctus* and *Fragaria vesca***  
HÜRKÜL M. M., Cetinkaya A., YAYLA Ş., Kaya S. I., Budak F., TOK K. C., GÜMÜŞTAŞ M., UZUN L., ÖZKAN S. A.  
TALANTA, vol.273, 2024 (SCI-Expanded)
10. **Enzalutamide-human serum albumin interaction: Electrochemical exploration of complex formation and binding parameters**  
Chenguiti F., Bakirhan N. K., GÖZELLE M., Douliche M., Saidat B., Atici E. B., ÖZKAN S. A.  
Microchemical Journal, vol.201, 2024 (SCI-Expanded)
11. **Emerging trends of ion-selective electrodes in pharmaceutical applications**  
Jadon N., Hosseinzadeh B., Kaya S. I., ÖZÇELİKAY AKYILDIZ G., Cetinkaya A., ÖZKAN S. A.  
Electrochimica Acta, vol.488, 2024 (SCI-Expanded)
12. **A specific chiral HPLC method for lifitegrast and determination of enantiomeric impurity in drug substance, ophthalmic product and stressed samples**  
Uğur M., Bellur Atici E., ÖZKAN S. A.  
Journal of Pharmaceutical and Biomedical Analysis, vol.242, 2024 (SCI-Expanded)
13. **Recent trends in core/shell nanoparticles: their enzyme-based electrochemical biosensor applications**  
BİLGE KOÇAK S., DOĞAN TOPAL B., Gurbuz M. M., ÖZKAN S. A., Sinag A.  
MICROCHIMICA ACTA, vol.191, no.5, 2024 (SCI-Expanded)
14. **A comparative study of electropolymerization and photopolymerization for the determination of molnupiravir and their application in an electrochemical sensor via computationally designed molecularly imprinted polymers**  
Cetinkaya A., ÜNAL M. A., NAZIR H., Çorman M. E., UZUN L., ÖZKAN S. A.  
Microchimica Acta, vol.191, no.5, 2024 (SCI-Expanded)
15. **Innovative Graphene-Based Nanocomposites for Improvement of Electrochemical Sensors: Synthesis, Characterization, and Applications**  
Pengsomjit U., Alabdo F., Karuwan C., Kraiya C., Alahmad W., ÖZKAN S. A.  
CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY, 2024 (SCI-Expanded)
16. **Ultrasensitive electrochemical immunosensor system for determination of autologous SOX2 antibody**  
Özçelikay-Akyıldız G., ÜNAL M. A., Atakan Ş., Gül den S., Kızılelma B., Aydın S., ÖZKAN S. A.  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.241, 2024 (SCI-Expanded)
17. **Investigation of Health Effects of Major Phenolic Compounds in Foods: Extraction Processes, Analytical Approaches and Applications**  
HÜRKÜL M. M., Cetinkaya A., Kaya S. I., YAYLA Ş., ÖZKAN S. A.  
CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY, 2024 (SCI-Expanded)
18. **Sensitive and selective electrochemical characterization and analytical determination of linezolid in environmental samples using TiO<sub>2</sub> nanoparticles and MWCNT-COOH modified glassy carbon electrode**  
Aydogdu Ozdogan N., Demir E., ÖZKAN S. A.  
Microchemical Journal, vol.199, 2024 (SCI-Expanded)
19. **The sensor applications for prostate and lung cancer biomarkers in terms of electrochemical analysis**  
Bounoua N., Cetinkaya A., Piskin E., Kaya S. I., ÖZKAN S. A.  
Analytical and Bioanalytical Chemistry, vol.416, no.9, pp.2277-2300, 2024 (SCI-Expanded)
20. **Electrochemical Determination of Anti-Cancer Drug Pazopanib with High Selectivity and Sensitivity Using Molecularly Imprinted Polymer-Modified Glassy Carbon Electrode**  
Samanci S. N., Cetinkaya A., Doufene N., Bounoua N., Kaya S. I., Atici E. B., ÖZKAN S. A.  
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.171, no.3, 2024 (SCI-Expanded)
21. **Recent trends in sensors and diagnostics**  
ÖZKAN S. A., Zor E.  
TrAC - Trends in Analytical Chemistry, vol.172, 2024 (SCI-Expanded)

22. **Biosensors for stem cell-based applications: Current trends and future prospects**  
Arif T., BİLGE YÜCEL S., UYAR R., ÖZÇELİKAY AKYILDIZ G., Summak G. Y., ÜNAL M. A., YILMAZER AKTUNA A., ÖZKAN S. A.  
Microchemical Journal, vol.198, 2024 (SCI-Expanded)
23. **Development of a molecularly imprinted polymer-based electrochemical sensor for the selective detection of nerve agent VX metabolite ethyl methylphosphonic acid in human plasma and urine samples**  
Sezigen S., Kaya S. I., Bakirhan N. K., ÖZKAN S. A.  
Analytical and Bioanalytical Chemistry, vol.416, no.6, pp.1505-1515, 2024 (SCI-Expanded)
24. **A collection of the best practice examples of electroanalytical applications in education: from polarography to sensors**  
Cetinkaya A., Kaya S. I., ÖZKAN S. A.  
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, vol.28, no.3-4, pp.869-895, 2024 (SCI-Expanded)
25. **A novel electrochemical sensor based on a molecularly imprinted polymer for highly selective and sensitive determination of rutin from herbal supplements and plant extracts**  
Hürkul M. M., Yayla Ş., Cetinkaya A., Kaya S. I., Uzun L., Özkan S. A.  
ANALYTICAL METHODS, no.10, pp.1480-1488, 2024 (SCI-Expanded)
26. **Development and Fabrication of a Molecularly Imprinted Polymer-Based Electroanalytical Sensor for the Determination of Acyclovir**  
Al Faysal A., Cetinkaya A., Kaya S. I., ERDOĞAN T., ÖZKAN S. A., Gölcü A.  
ACS OMEGA, vol.9, no.8, pp.9564-9576, 2024 (SCI-Expanded)
27. **Early cancer detection based on exosome biosensors in biological samples**  
UYAR R., ÖZÇELİKAY AKYILDIZ G., Kaya S. İ., BEREKETOĞLU NERGİS S., Beşbinar Ö., ÜNAL M. A., YILMAZER AKTUNA A., ÖZKAN S. A.  
Sensors and Actuators B: Chemical, vol.400, 2024 (SCI-Expanded)
28. **An innovative method for the detection of alpha synuclein, a potential biomarker of Parkinson's disease: quartz tuning fork-based mass sensitive immunosensor design**  
KARABOĞA M. N. S., ÜNAL M. A., ARI F., SEZGİNTÜRK M. K., ÖZKAN S. A.  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, no.6, pp.5106-5114, 2024 (SCI-Expanded)
29. **Graphene-based gel electromembrane extraction coupled with modified screen-printed carbon electrode for detecting streptomycin in honey samples: Greener strategy for food analysis**  
Pengsomjit U., Alahmad W., Varanusupakul P., ÖZKAN S. A., Sharma V. K., Kraiya C.  
Talanta, vol.268, 2024 (SCI-Expanded)
30. **Recent Developments in the Sensitive Electrochemical Assay of Common Opioid Drugs**  
Yence M., Cetinkaya A., Kaya S. I., ÖZKAN S. A.  
CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY, vol.54, no.4, pp.882-895, 2024 (SCI-Expanded)
31. **The Effect of Polymerization Techniques on the Creation of Molecularly Imprinted Polymer Sensors and Their Application on Pharmaceutical Compounds**  
Faysal A. A., Kaya S. I., Cetinkaya A., ÖZKAN S. A., Gölcü A.  
Critical Reviews in Analytical Chemistry, 2024 (SCI-Expanded)
32. **Current Analytical Methods for the Sensitive Assay of New-Generation Ovarian Cancer Drugs in Pharmaceutical and Biological Samples**  
Cetinkaya A., Kaya S. I., Budak F., ÖZKAN S. A.  
Critical Reviews in Analytical Chemistry, 2024 (SCI-Expanded)
33. **Molecularly imprinted polymer paper-based analytical devices for biomarkers detection**  
Alahmad W., Cetinkaya A., Kaya S. I., Varanusupakul P., ÖZKAN S. A.  
TrAC - Trends in Analytical Chemistry, vol.170, 2024 (SCI-Expanded)
34. **Carbon Dots in the Detection of Pathogenic Bacteria and Viruses**  
Zor E., Mollarasouli F., Karadurmuş L., Özçelikay G., Özkan S. A.  
Critical Reviews in Analytical Chemistry, vol.54, no.2, pp.219-246, 2024 (SCI-Expanded)
35. **Investigations on the electrochemical behavior of sunitinib and metabolites N-desethyl-sunitinib and**

- sunitinib-N-oxide and its selective determination using molecularly imprinted polymer-based sensor**  
Budak F., Cetinkaya A., Kaya S. I., Bellur Atici E., ÖZKAN S. A.  
Electrochimica Acta, vol.472, 2023 (SCI-Expanded)
36. **A novel electrochemical approach to biosensing applications: Quartz tuning forks as working electrodes for immunosensors**  
ARI F., İnce B., ÜNAL M. A., SEZGİNTÜRK M. K., ÖZKAN S. A.  
MICROCHEMICAL JOURNAL, vol.195, 2023 (SCI-Expanded)
37. **Electrochemical paper-based analytical devices for environmental analysis: Current trends and perspectives**  
Alahmad W., Cetinkaya A., Kaya S. I., Varanusupakul P., ÖZKAN S. A.  
Trends in Environmental Analytical Chemistry, vol.40, 2023 (SCI-Expanded)
38. **Quartz tuning fork biosensor: A potential tool for SARS-CoV-2 detection**  
Kavacık M., İnce B., ARI F., ÜNAL M. A., SEZGİNTÜRK M. K., ÖZKAN S. A.  
MICROCHEMICAL JOURNAL, vol.195, 2023 (SCI-Expanded)
39. **A Dynamic and Pseudo-Homogeneous MBs-icELISA for the Early Detection of Aflatoxin B1 in Food and Feed**  
Wei L., Xu D., Yuan B., Pang C., Xu H., Nie K., Yang Q., ÖZKAN S. A., Zhang Y., Guo Y., et al.  
Toxins, vol.15, no.11, 2023 (SCI-Expanded)
40. **Designing an electrochemical sensor based on ZnO nanoparticle-supported molecularly imprinted polymer for ultra-sensitive and selective detection of sorafenib**  
Cetinkaya A., Kaya S. I., Alahmad W., Bellur Atici E., ÖZKAN S. A.  
Analytica Chimica Acta, vol.1280, 2023 (SCI-Expanded)
41. **Electrochemical Behavior and Determination of Tolvaptan Using Glassy Carbon and Boron-Doped Diamond Electrodes**  
Karadurmus L., Atici E. B., Özkan S. A.  
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.170, pp.501, 2023 (SCI-Expanded)
42. **An overview of the current progress in green analytical chemistry by evaluating recent studies using greenness assessment tools**  
Cetinkaya A., Kaya S. I., ÖZKAN S. A.  
TrAC - Trends in Analytical Chemistry, vol.168, 2023 (SCI-Expanded)
43. **Fabrication of an Electrochemical Sensor Based on a Molecularly Imprinted Polymer for the Highly Sensitive and Selective Determination of the Antiretroviral Drug Zidovudine in Biological Samples**  
Karadurmus L., ÖZKAN S. A.  
Micromachines, vol.14, no.10, 2023 (SCI-Expanded)
44. **Comparative MIP sensor technique: photopolymerization or thermal polymerization for the sensitive determination of anticancer drug Regorafenib in different matrixes**  
Kaya S. I., Bakirhan N. K., Corman M. E., UZUN L., ÖZKAN S. A.  
Microchimica Acta, vol.190, no.10, 2023 (SCI-Expanded)
45. **Molecularly imprinted electrochemical sensor for the selective and sensitive determination of octreotide in cancer patient plasma sample**  
Ozkan E., Ozcelikay G., Topak E. D. G., NEMUTLU E., ÖZKAN S. A., DİZDAR Ö., AKSOY S., KIR S.  
TALANTA, vol.263, 2023 (SCI-Expanded)
46. **Development of highly selective and sensitive molecularly imprinted polymer-based electrochemical sensors for tolvaptan assay in tablets and serum**  
KARADURMUŞ L., Budak F., Cetinkaya A., Atici E. B., ÖZKAN S. A.  
ANALYTICAL METHODS, vol.15, no.40, pp.5316-5322, 2023 (SCI-Expanded)
47. **Fabrication of molecularly imprinted electrochemical sensors for sensitive codeine detection**  
Yence M., Cetinkaya A., Çorman M. E., UZUN L., ÇAĞLAYAN M. G., ÖZKAN S. A.  
MICROCHEMICAL JOURNAL, vol.193, 2023 (SCI-Expanded)
48. **Evaluation of electrochemical behavior combined with the sensitive and selective determination of ceftriaxone using molecularly imprinted polymer-based sensor**

- Alahmad W., Cetinkaya A., Kaya S. I., Varanusupakul P., ÖZKAN S. A.  
MICROCHEMICAL JOURNAL, vol.193, 2023 (SCI-Expanded)
49. **Biomarkers in exhaled breath condensate as fingerprints of asthma, chronic obstructive pulmonary disease and asthma-chronic obstructive pulmonary disease overlap: a critical review**  
Seyfinejad B., NEMUTLU E., Taghizadieh A., Khoubnasabjafari M., ÖZKAN S. A., Jouyban A.  
BIOMARKERS IN MEDICINE, no.19, pp.811-837, 2023 (SCI-Expanded)
50. **Two different molecularly imprinted polymeric coating techniques for creating sensitive and selective electrochemical sensors for the detection of Ribavirin**  
Cetinkaya A., ÜNAL M. A., NAZIR H., Çorman M. E., UZUN L., ÖZKAN S. A.  
Sensors and Actuators B: Chemical, vol.389, 2023 (SCI-Expanded)
51. **New brand MXene-based electrochemical point-of-care sensors as novel diagnostic devices**  
Karadurmus L., Kaya S. I., Cetinkaya A., ÖZKAN S. A.  
TrAC - Trends in Analytical Chemistry, vol.165, 2023 (SCI-Expanded)
52. **Designing of ZnO nanoparticles oriented interface imprinted electrochemical sensor for fluoxetine detection**  
Emin Çorman M., Cetinkaya A., Armutcu C., UZUN L., ÖZKAN S. A.  
Bioelectrochemistry, vol.152, 2023 (SCI-Expanded)
53. **Electrochemical bioplatforM for the determination of the most common and carcinogenic human papillomavirus DNA**  
Ozcelikay G., Gamella M., Solís-Fernández G., Barderas R., Pingarrón J. M., Campuzano S., ÖZKAN S. A.  
Journal of Pharmaceutical and Biomedical Analysis, vol.231, 2023 (SCI-Expanded)
54. **A molecularly imprinted polymer-based electrochemical sensor for the determination of tofacitinib**  
Budak F., Cetinkaya A., Kaya S. I., Atici E. B., Özkan S. A.  
MICROCHIMICA ACTA, vol.190, no.6, 2023 (SCI-Expanded)
55. **The electrochemical quantitation method for sugammadex via a molecularly imprinted polymer-based sensor**  
ÖZÇELİKAY AKYILDIZ G., Cetinkaya A., Atici E. B., ÖZKAN S. A.  
ANALYTICAL METHODS, vol.15, no.19, pp.2309-2317, 2023 (SCI-Expanded)
56. **Nanomaterial-based electrochemical sensing platform for the determination of Olaparib**  
Majidian M., Ozcelikay G., Cetinkaya A., ÜNAL M. A., NAZIR H., Atici E. B., ÖZKAN S. A.  
Electrochimica Acta, vol.449, 2023 (SCI-Expanded)
57. **SnO<sub>2</sub> nanoparticles/waste masks carbon hybrid materials for DNA biosensor application on voltammetric detection of anti-cancer drug pazopanib**  
Bilge Koçak S., Doğan Topal B., Ünal M. A., Ünal M. N., Nazir H., Bellur Atici E., Sınağ A., Özkan S. A.  
BIOELECTROCHEMISTRY, vol.150, 2023 (SCI-Expanded)
58. **Chiral Sensing as a Future Challenge in Electroanalytical Chemistry: Cyclodextrin-Based Chiral Sensors**  
KARADURMUŞ L., GÜMÜŞTAŞ M., Bakirhan N. K., Ozkan S. A.  
CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY, vol.53, no.3, pp.498-519, 2023 (SCI-Expanded)
59. **Electrochemical detection of lactate produced by foodborne presumptive lactic acid bacteria**  
Özoğlu Ö., Uzunoglu A., Ünal M. A., Gümüştas M., Özkan S. A., Korukluoğlu M., Güneş Altuntaş E.  
JOURNAL OF BIOSCIENCE AND BIOENGINEERING, vol.135, no.4, pp.313-320, 2023 (SCI-Expanded)
60. **Molecularly imprinted polymers as highly selective sorbents in sample preparation techniques and their applications in environmental water analysis**  
Kaya S. I., Cetinkaya A., ÖZKAN S. A.  
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3. **Development of Selective and Sensitive MIP-Based Electrochemical Sensor for Quercetin Determination from Rubus sanctus, Fragaria vesca Extracts and Some Herbal Supplements**  
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5. **Carbon based nanosensors for sensitive monitoring of pharmaceutical compounds**  
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6. **THE FIRST ELECTROCHEMICAL MIP SENSOR FOR SUGAMMADEX**  
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21. **An Overview of Electrochemical Carbon Based Sensors for Sensitive Monitoring of Drug Active Compounds and Their Sensitive Applications**  
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32. **A new sensor material from cigarette butt for the sensitive determination of antihypertensive drug trandolapril**  
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40. **Ultrasensitive label-free electrochemical impedance immunosensor based on 11-Mercapto undecanoic acid/Au NPs/L-cysteine modified screen printed carbon electrode for the detection of Glial Fibrillary**

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47. **Electrochemical, Spectroscopic and Molecular Docking Studies on The Interaction of Lercanidipine with dsDNA**  
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49. **Non-Enzymatic Electrochemical Catechol Detection Using A Novel Nanosensor**  
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51. **A Sensitive Assay of Morphazinamide by an Electrochemical Nanosensor in Human Serum Sample**  
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52. **Electrochemical determination of antipsychotic drug using a novel nanosensor based on NH<sub>2</sub>-functionalized multi walled carbon nanotubes, ZnO nanoparticles and graphene quantum dots**  
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6th International Conference on Bio-Sensing Technology, 16 - 19 June 2019
53. **Electrochemical Determination of Catechol-Orto-Methyltransferase Inhibitor using NH<sub>2</sub>-Functionalized Multi Walled Carbon Nanotubes based nanosensor**

- KURBANOĞLU S., aftab s., ÖZÇELİKAY G., Shah A., Iftikhar F. J., ÖZKAN S. A.  
1st International Congress on Analytical and Bioanalytical Chemistry, 27 - 30 March 2019
54. **A novel electrochemical nanosensor based on NH<sub>2</sub>-Functionalized Multi Walled Carbon Nanotubes Decorated with ZnO Nanoparticles and Graphene Quantum Dots for Pimozide Assay**  
ÖZÇELİKAY G., aftab s., KURBANOĞLU S., Shah A., ÖZKAN S. A.  
1st International Congress on Analytical and Bioanalytical Chemistry, 27 - 30 March 2019
55. **Electrochemical Investigation of Calcium Channel Blockers-dsDNA Interaction on Glassy Carbon Electrode, 1st International Congress On Analytical And Bioanalytical Chemistry**  
Shahzad S., DOĞAN TOPAL B., KARADURMUŞ L., Caglayan M. G., Tok T. T., USLU B., Shah A., ÖZKAN S. A.  
1st International Congress On Analytical And Bioanalytical Chemistry, 27 - 30 March 2019
56. **Electrochemical Investigation of Entacapone Using NH<sub>2</sub> Functionalized Multiwalled Carbon Nanotubes Modified Nanosensor**  
aftab s., ÖZÇELİKAY G., KURBANOĞLU S., Shah A., ÖZKAN S. A.  
12th International Symposium on Pharmaceutical Sciences (ISOPS'12), 26 - 29 September 2018
57. **Electrochemical analysis of desloratadine by a new design carbon based electrode**  
USLU B., ÖZTÜRK K., KARADAŞ BAKIRHAN N., ÖZKAN S. A.  
11th Aegean Analytical Chemistry Days (AACD2018), 25 - 29 September 2018
58. **Development And Validation Of A Selective HPLC Method For The Determination Of S-Adenosyl L-Methionine Isomers From Rat Plasma**  
ERGİN A. D., GÜMÜŞTAŞ M., ÖZKAN S. A., ÖZÇELİKAY A. T., YÜKSEL N.  
12th International Symposium on Pharmaceutical Sciences (ISOPS), 26 - 29 June 2018
59. **Validasyon: İlaç Analizlerindeki Yeri ve İlgili Parametreleri**  
ÖZKAN S. A.  
9.UAKK, Turkey, 19 - 23 September 2018
60. **Analytical Method Development and Validation For Simultaneous Determination of Carboplatine and Decitabine by Using HPLC**  
EŞİM Ö., GÜMÜŞTAŞ M., HASÇİÇEK C., ÖZKAN S. A.  
19th International Pharmaceutical Technology Symposium (IPTS-19), Antalya, Turkey, 17 - 19 September 2018
61. **Design of electrochemical DNA based nanobiosensor for the interaction of anticancer drugs with DNA**  
KARADURMUŞ L., KURBANOĞLU S., Shah A., ÖZKAN S. A.  
29th International Symposium on Pharmaceutical and Biomedical Analysis, 9 - 12 September 2018
62. **Molecularly imprinted polymer based nanosensor on AuPt surface for the selective and sensitive electrochemical assay of antimicrobial Daptomycin**  
ÖZÇELİKAY G., ÖZKAN S. A., KURBANOĞLU S., YARMAN A., Scheller F. W.  
29th International Symposium on Pharmaceutical and Biomedical Analysis, 9 - 12 September 2018
63. **Design of An Electrochemical Nanosensor For The Determination Of Antimigraine Drug**  
Kaya S. I., Demirkan B., KURBANOĞLU S., Aygun A., ŞEN F., ÖZKAN S. A.  
4th Romanian International Conference on Analytical Chemistry, 1 - 03 September 2018
64. **Development and validation of a HILIC method for simultaneous determination of carboplatin and decitabine**  
EŞİM Ö., GÜMÜŞTAŞ M., HASÇİÇEK C., ÖZKAN S. A.  
12th International Symposium on Pharmaceutical Sciences (ISOPS-12), Ankara, Turkey, 26 - 29 July 2018
65. **EFFECT OF POLYMER TYPE AND CONCENTRATION ON CHARACTERISTICS OF DIHYDROERGOTAMINE MESYLATE SUBLING FILMS**  
KÖSE ÖZKAN C., EŞİM Ö., KURBANOĞLU S., SAVAŞER A., TAŞ Ç., ARSLAN A., ÖZKAN S. A., ÖZKAN Y.  
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
66. **TOWARDS ADVANCED ELECTROANALYTICAL NANOSENSORS: A PROMISING TOOL FOR THE ANALYSIS OF PHARMACEUTICALS**  
ÖZKAN S. A.  
International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018

67. **Gold Nanoparticles Modified Screen Printed Electrode For Sensitive Detection/Enhanced Sensing Of Anticancer Drug Irinotecan-DNA Interaction**  
Shahzad S., KURBANOĞLU S., KARADURMUŞ L., Shah A., ÖZKAN S. A.  
12th International Symposium on Pharmaceutical Sciences (ISOPS'12), 26 - 29 June 2018
68. **Comparison Between Liquid Chromatography And Ratio Derivative Spectrophotometry For The Simultaneous Determination of Perindopril, Indapamide, and Amlodipine Ternary Mixtures**  
KARADURMUŞ L., GÜMÜŞTAŞ M., KURBANOĞLU S., ÖZKAN S. A., USLU B.  
12th International Symposium on Pharmaceutical Sciences (ISOPS-12), 26 - 29 June 2018
69. **A novel DNA nanobiosensor based on graphene oxide decorated with gold nanoparticles for the detection of DNA interaction with anticancer drug**  
Shahzad S., KURBANOĞLU S., KARADURMUŞ L., Shah A., ÖZKAN S. A.  
12th International Symposium on Pharmaceutical Sciences (ISOPS'12), 26 - 29 June 2018
70. **Electrochemical Investigation Of Eletriptan Using Go/Pt/Ir Based Nanosensor**  
Kaya S. I., Demirkan B., KURBANOĞLU S., Aygun A., ŞEN F., ÖZKAN S. A.  
12th International Symposium on Pharmaceutical Sciences (ISOPS'12), 26 - 29 June 2018
71. **Electrochemical MIP Sensor For Detection of Butyrlcholine esterase**  
ÖZKAN S. A., YARMAN A., KURBANOĞLU S., ÖZÇELİKAY G., wollenberger u., Scheller F. W.  
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
72. **ENANTIOSEPARATION OFKETOCONAZOLE ANTIFUNGAL DRUGUSING CAPILLARY ELECTROPHORESIS**  
Bounoua N., Sekkoum K., GÜMÜŞTAŞ M., Belboukhari N., ÖZKAN S. A.  
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018
73. **Electrochemical Behaviours Of Antihistamines Levocetazine And Desloratadine In Aqueous Solutions**  
KARADAŞ BAKIRHAN N., ÖZTÜRK K., USLU B., ÖZKAN S. A.  
12th International Symposium on Pharmaceutical Sciences (ISOPS), 26 - 29 June 2018
74. **Stability-indicating HILIC method for the determination of some antivirals from their pharmaceutical dosage forms**  
ERKMEN C., GÜMÜŞTAŞ M., ÖZKAN S. A., USLU B.  
12th International Symposium on Pharmaceutical Sciences (ISOPS12), 26 - 29 June 2018
75. **Determination of lactic acid content of a lactic acidbacterium by high performance liquidchromatography**  
KIYMACI M. E., GÜMÜŞTAŞ M., ALTANLAR N., AKIN A., ZENCİROĞLU A., ÖZKAN S. A.  
12th International Synposium on Pharmaceutical Sciences, 26 - 29 June 2018
76. **Development and validation of HPLC method for simultaneous determination of betamethasone dipropionate and ketoconazole in cream formulations**  
KARABULUT T. C., AMASYA G., KURBANOĞLU S., ÖZKAN S. A.  
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018
77. **Electrochemical DNA Biosensor for The Interaction of Doxorubicin with DNA**  
KARADURMUŞ L., KURBANOĞLU S., Shah A., ÖZKAN S. A.  
8th Black Sea Basin Conference on Analytical Chemistry, 9 - 11 May 2018
78. **Molecularly Imprinted Electrochemical Sensor For The Determination of Lipopeptide Antibiotic Drug Daptomycin**  
ÖZÇELİKAY G., KURBANOĞLU S., YARMAN A., Scheller F. W., ÖZKAN S. A.  
8th Black Sea Basin Conference on Analytical Chemistry, 9 - 11 May 2018
79. **Enantioseparation of novel chiral pyrazolines in HPLC by using methanol as a mobile phase**  
Bezhitashvili L., GÜMÜŞTAŞ M., GÖKHAN KELEKÇİ N., ÖZKAN S. A., Chankvetadze B.  
8th Black Sea Basin Analytical Chemistry (8th BBCAC), İstanbul, Turkey, 9 - 11 May 2018
80. **Simultaneous Estimation of Olmesartan, Amlodipine, and Hydrochlorothiazide in Their Ternary Mixture by HPLC**  
ÖZKAN S. A., Nemlioğlu T., GÜMÜŞTAŞ M.  
8th Black Sea Basin Analytical Chemistry (8th BBCAC), İstanbul, Turkey, 9 - 11 May 2018
81. **Separation of enantiomers of the novel chiral pyrazoline derivatives in HPLC via polysaccharide**

**based chiral selectors and acetonitrile as mobile phase**

GÜMÜŞTAŞ M., Bezhitashvili L., GÖKHAN KELEKÇİ N., ÖZKAN S. A., Chankvetadze B.

8th Black Sea Basin Analytical Chemistry (8th BBCAC), İstanbul, Turkey, 9 November - 11 May 2018

82. **Molecularly Imprinted Electrochemical Sensor for determination of lipopeptide antibiolytic drug Daptomycin**  
ÖZKAN S. A., KURBANOĞLU S., ÖZÇELİKAY G., YARMAN A., Scheller F. W.  
8th Black Sea Basin Conference on Analytical Chemistry, 9 - 11 May 2018
83. **Laktik Asit Bakterilerinin Antimikrobiyal Aktiviteleri ve Laktik Asit Üretim Düzeyleri**  
ÖZOĞLU Ö., GÜMÜŞTAŞ M., ÖZKAN S. A., GÜNEŞ ALTUNTAŞ E.  
Gastronomi Zirvesi, Ankara, Turkey, 22 - 25 March 2018
84. **LAKTİK ASİT BAKTERİLERİNİN ANTİMİKROBİYAL AKTİVİTELERİ VELAKTİK ASİT ÜRETİM DÜZEYLERİ**  
ÖZOĞLU Ö., GÜMÜŞTAŞ M., ÖZKAN S. A., GÜNEŞ ATUNTAŞ E.  
Gastronomi Kongresi 2018, Turkey, 22 - 25 March 2018
85. **Validation of HPLC Methods for the Analysis of Nanoparticle Based Drug Delivery Systems**  
GÜMÜŞTAŞ M., AMASYA G., ŞENGEL TÜRK C. T., BADILLI F. U., TARIMCI M. N., ÖZKAN S. A.  
8-th Annual Symposium on Physical and Analytical Chemistry (8th ASPAC), Tiflis, Georgia, 28 - 29 December 2017
86. **Validation of HPLC Method for the Analysis of Nanoparticle Based Drug Delivery Systems**  
GÜMÜŞTAŞ M., AMASYA G., ŞENGEL TÜRK C. T., BADILLI F. U., TARIMCI M. N., ÖZKAN S. A.  
8th Annual Symposium on Physical and Analytical Chemistry at Tbilisi State University, 28 - 29 December 2017
87. **DESIGN OF A NANOSENSOR FOR THE ANALYSIS OF ANTI CANCER DRUG**  
KARADURMUŞ L., KURBANOĞLU S., Shahzad S., Shah A., ÖZKAN S. A.  
8th Annual Symposium on Physical and Analytical Chemistry, 28 - 29 December 2017
88. **First MIP for the recognition of BUTYRYLCHOLINE ESTERASE**  
ÖZÇELİKAY G., YARMAN A., KURBANOĞLU S., Jetzschmann k., Neumann B., ÖZKAN S. A., Wollenberger U., Scheller F.  
East West 2017, 12 - 14 October 2017
89. **Validation of a HILIC Method for the Analysis of 5-Fluorouracil Loaded Lipid Nanoparticles and Application to In Vitro and Ex Vivo Tests**  
GÜMÜŞTAŞ M., AMASYA G., BADILLI F. U., ÖZKAN S. A., TARIMCI M. N.  
East West Chemistry Conference, 12 - 14 October 2017
90. **LC METHOD DEVELOPMENT FOR DETERMINATION OF OBIDOXIME FROM PARENTERAL PRODUCTS AND STABILITY OF OBIDOXIME AT DIFFERENT PHs**  
SAVAŞER A., EŞİM Ö., KURBANOĞLU S., TAŞ Ç., ÖZKAN S. A., ÖZKAN Y.  
2 nd International Gazi Symposium Series, 11 - 13 October 2017
91. **ELETRIPTAN HYDROBROMIDE-PLGA NANOPARTICLES: EFFECT OF FORMULATION VARIABLES ON SIZE DISTRIBUTION**  
EŞİM Ö., SAVAŞER A., KURBANOĞLU S., KÖSE ÖZKAN C., ÖZKAN S. A., ÖZKAN Y.  
2 nd International Gazi Symposium Series, 11 - 13 October 2017
92. **The Role and The Place of Carbon Based Electrochemical Nanosensors on Pharmaceutical and Biomedical Assay**  
ÖZKAN S. A.  
East West Chemistry Congress, 12 - 14 October 2017
93. **Determination of Indomethacin in Ethyl Cellulose Nanoparticles by High Performance Liquid Chromatography**  
KURBANOĞLU S., EŞİM Ö., TAŞ Ç., SAVAŞER A., ÖZKAN S. A., ÖZKAN Y.  
East West 2017, 12 - 14 October 2017
94. **Electrochemical nanobiosensor for the detection of catechol**  
KURBANOĞLU S., ÖZKAN S. A.  
East West 2017, 12 - 14 October 2017
95. **ELECTROCHEMICAL ANALYSIS OF ANTICANCER DAUNORUBICIN USING MULTIWALLED CARBON NANOTUBE MODIFIED EDGE PLANE CARBON ELECTRODE**  
KARADURMUŞ L., KURBANOĞLU S., Shahzad S., Shah A., ÖZKAN S. A.

East West 2017, 12 - 14 October 2017

96. **Electrochemical behavior of an oral progestin dienogest and its sensitive analysis from pharmaceutical dosage form**  
KARADAŞ BAKIRHAN N., ÇELİK H., ÇELİK M. Ş., USLU B., ÖZKAN S. A.  
EAST WEST CHEMISTRY CONFERENCE, 12 - 14 October 2017
97. **Acidity Constants of Ceftizoxime, Cefotaxime, Ceftiofur**  
Budak S., POTURCU K., ÖZKAN S. A., ALSANCAK A. G.  
International Congress on Chemistry and Materials Science, ANCON, Ankara, Turkey, 5 - 07 October 2017
98. **Sensitive Detection of Pemetrexed Disodium from its Pharmaceutical Dosage form by Adsorptive Stripping Differential Pulse Voltammetry**  
KARADAŞ BAKIRHAN N., ÖZKAN S. A.  
DRD2017, 5 - 07 October 2017
99. **Nanoparticle Effect on Interaction of Epirubicin with DNA**  
KARADURMUŞ L., KURBANOĞLU S., Shah A., ÖZKAN S. A.  
5th International Symposium on Sensor Science, 27 - 29 September 2017
100. **Tyrosinase Immobilization In Multi Walled Carbon Nanotube And Gold Nanowires Matrice For Catechol Detection**  
KURBANOĞLU S., ÖZKAN S. A.  
5th International Symposium on Sensor Science, 27 - 29 September 2017
101. **Bazı antifungallerin enantiyomerlerinin kovalent olarak immobilize edilmiş polisakkarit temelli kiral seçiciler ve polar organik hareketli faz kullanarak HPLC ile ayrılması**  
GÜMÜŞTAŞ M., Bounoua N., Sekkoum K., Belboukhari N., ÖZKAN S. A., Chankvetadze B.  
Kromatografi 2017, Turkey, 20 - 22 September 2017
102. **Simultaneous Determination of Perindopril, Indapamide and Amlodipine in Pharmaceutical Dosage form by HPLC**  
KARADURMUŞ L., GÜMÜŞTAŞ M., KURBANOĞLU S., ÖZKAN S. A.  
Euroanalysis 2017, 28 August - 01 September 2017
103. **MWCNT/CdS quantum dot modified glassy carbon electrode for the determination of Clopidogrel bisulfate in tablet dosage form and serum samples**  
USLU B., ÖZÇELİKAY G., KURBANOĞLU S., BOZAL PALABIYIK B., ÖZKAN S. A.  
Euroanalysis 2017, Stockholm, Sweden, 28 August - 01 September 2017
104. **Enhanced Host-Guest Detection of Non-small Cell Lung Cancer Drug: Erlotinib Hydrochloride Via  $\beta$ -Cyclodextrin Particles Modified Glassy Carbon Electrode**  
ÖZKAN S. A., KARADAŞ BAKIRHAN N.  
Euroanalysis 2017, 28 August - 01 September 2017
105. **Determination of anti-migraine drug from loaded polymeric nanoparticles via high performance liquid chromatography**  
KURBANOĞLU S., EŞİM Ö., SAVAŞER A., KÖSE ÖZKAN C., ÖZKAN S. A., ÖZKAN Y.  
Euroanalysis 2017, 28 August - 01 September 2017
106. **Simultaneous Determination of Perindopril, Indapamide and Amlodipine Ternary Mixtures Using Ratio Derivative Spectrophotometric Method**  
KARADURMUŞ L., KURBANOĞLU S., GÜMÜŞTAŞ M., ÖZKAN S. A., USLU B.  
28th Pharmaceutical and Biomedical Analysis Conference (PBA 2017), 2 - 05 July 2017
107. **A VALIDATED VOLTAMMETRIC ASSAY FOR SIMULTANEOUS DETECTION OF AMLODIPINE BESYLATE AND ROSUVASTATIN CALCIUM IN BINARY MIXTURES**  
USLU B., KARADAŞ BAKIRHAN N., GÜMÜŞTAŞ M., ÖZKAN S. A.  
28th International Symposium on Pharmaceutical and Biomedical Analysis, 2 - 05 July 2017
108. **LC-MS METHOD DEVELOPMENT FOR DETERMINATION OF DIHYDROERGOTAMINE FROM PHARMACEUTICAL FILM PREPARATIONS AND RABBIT PLASMA SAMPLES FOR DRUG DELIVERY APPLICATIONS**  
KURBANOĞLU S., EŞİM Ö., KÖSE ÖZKAN C., SAVAŞER A., ÖZKAN Y., ÖZKAN S. A.



28th Pharmaceutical and Biomedical Analysis Conference, 2 - 05 July 2017

109. **COMPARATIVE STUDY RELATED WITH ELECTROCHEMICAL BEHAVIOR OF TENOFOVIR ON BARE AND NANOPARTICLE-MODIFIED GLASSY CARBON ELECTRODES**  
ÖZÇELİKAY G., DOĞAN TOPAL B., ÖZKAN S. A.  
28th International Symposium on Pharmaceutical and Biomedical Analysis, Madrid, Spain, Madrid, Spain, 1 - 05 July 2017
110. **HPLC SEPARATION OF ENANTIOMERS OF SOME ANTIFUNGALS USING COVALENTLY IMMOBILIZED POLYSACCHARIDE-BASED CHIRAL SELECTORS AND POLAR ORGANIC MOBILE PHASES**  
GÜMÜŞTAŞ M., Nadia B., Khaled S., Belboukhari N., ÖZKAN S. A., Bezhan C.  
27 th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2017), Madrid, Spain, 2 - 05 July 2017
111. **Optimization and validation of HPLC method for the determination of 5-fluorouracil from lipid nanoparticles and rat skin extracts**  
AMASYA G., GÜMÜŞTAŞ M., BADILLI F. U., TARIMCI M. N., ÖZKAN S. A.  
28th Pharmaceutical and Biomedical Analysis Conference, 2 - 05 July 2017
112. **SIMULTANEOUS ELECTROCHEMICAL ESTIMATION OF FAMILIAR DOSE FORMS OF TELMISARTAN AND TELMISARTAN IN PHARMACEUTICAL DOSAGE FORM**  
ÖZKAN S. A., KARTAL F., KARADAŞ BAKIRHAN N.  
PBA 2017, 2 - 05 July 2017
113. **Optimization and validation of HPLC method for the determination of 5-Fluorouracil from lipid nanoparticles and rat skin extracts**  
AMASYA G., GÜMÜŞTAŞ M., BADILLI F. U., TARIMCI M. N., ÖZKAN S. A.  
28th International Symposium on Pharmaceutical and Biomedical Analysis, Madrid, Spain, 2 - 05 July 2017
114. **Electrochemical Behavior of Dienogest in Aqueous Solutions**  
ÇELİK M. Ş., ÇELİK H., Isık S., KARADAŞ BAKIRHAN N., USLU B., ÖZKAN S. A.  
50th Heyrovsky Discussion, 18 - 22 June 2017
115. **Development Sensitive and Selective HPLC Method for the Separation and Validation of Enantiomers of Miconazole**  
Bounoua N., GÜMÜŞTAŞ M., Sekkoum K., Belboukhari N., Cheriti A., ÖZKAN S. A., Bezhan C.  
IVEK 3 International Convention of Pharmaceuticals and Pharmacies, 26 - 29 April 2017
116. **DEVELOPMENT OF FULLY VALIDATED HPLC METHOD FOR THE DETERMINATION OF ETOPOSIDE FROM COMMERCIAL DOSAGE FORM AND POLYMERIC TUBULAR NANOCARRIERS**  
KARATAŞ A., ALGAN A. H., GÜMÜŞTAŞ M., ÖZKAN S. A.  
2nd European Conference on Pharmaceutics, Krakow, Poland, 3 - 04 April 2017
117. **Electrochemical Nanobiosensor for the Tyrosinase Inhibition via phosphodiesterase type 5 inhibitor: Sildenafil**  
KURBANOĞLU S., Rivas L., ÖZKAN S. A., Merkoçi A.  
10th German Biosensor Symposium, 20 - 23 March 2017
118. **Separation of enantiomers of some beta-agonists by using polysaccharide-based chiral columns**  
GÜMÜŞTAŞ M., ÖZKAN S. A., Chankvetadze B.  
7 th Annual Symposium on Physical and Analytical Chemistry, Tiflis, Georgia, 28 - 29 November 2016
119. **ENANTIOMERIC SEPARATION OF BETA ADRENERGIC AGONISTS BY HPLC WITH POLYSACCHARIDE BASED CHIRAL COLUMNS USING VARIOUS MOBILE PHASES**  
GÜMÜŞTAŞ M., ÖZKAN S. A., Chankvetadze B.  
27th International Symposium on Pharmaceutical and Biomedical Analysis, Guangzhou, China, 13 - 16 November 2016
120. **The Role of HILIC Separation for the simultaneous determination of some antivirals**  
erkmen c., GÜMÜŞTAŞ M., ÖZKAN S. A., USLU B.  
27th International Symposium on Pharmaceutical and Biomedical Analysis, 13 - 16 November 2016
121. **ANTIPROLIFERATIVE POTENTIAL OF NANOPARTICLE BASED DELIVERY SYSTEM OF FULVESTRANT ON MCF 7 HUMAN BREAST CANCER CELLS**

HASÇIÇEK C., ŞENGEL TÜRK C. T., BAKAR F., EVCİMEN N., GÜMÜŞTAŞ M., ÖZKAN S. A., SAVAŞER A., ÖZKAN Y.  
2016 AAPS Annual Meeting and Exposition, 13 - 17 November 2016

122. **Enantiometric Separation of Beta Adrenergic Agonists by HPLC with polysaccharide based chiral columns using various mobile phases**  
GÜMÜŞTAŞ M., ÖZKAN S. A., Chankvetadze B.  
27th International Symposium on Pharmaceutical and Biomedical Analysis, 13 - 16 November 2016
123. **From Mercury to Nanosensors The Journey of Electrochemistry on Pharmaceutical and Biomedical Analysis**  
ÖZKAN S. A.  
27th International Symposium on Pharmaceutical and Biomedical Analysis, 13 - 16 November 2016
124. **A novel electroanalytical nanosensor based on AgNPs nanoparticles for determination of antiviral drug tenofovir**  
Özçelikay G., DOĞAN TOPAL B., ÖZKAN S. A.  
3rd International Congress on Biosensors, 5 - 07 October 2016
125. **A new sensitive electrochemical method for simultaneous determination of amlodipine and telmisartan drug**  
Kartal F., KARADAŞ BAKIRHAN N., ÖZKAN S. A.  
3rd International Congress on Biosensors, 5 - 07 October 2016
126. **Adsorptive stripping determination of Ezetimibe in pharmaceutical dosage forms and biological fluids**  
KARADURMUS L., KURBANOĞLU S., USLU B., ÖZKAN S. A.  
3rd International Congress on Biosensors, 5 - 07 October 2016
127. **Catechol determination using a novel electrochemical nanobiosensor**  
KURBANOĞLU S., Rivas L., ÖZKAN S. A., Merkoçi A.  
3rd International Congress on Biosensors, 5 - 07 October 2016
128. **Diffusion Adsorption and Electrode Kinetics of Electro Oxidations on a Stationary Solid Electrode**  
ÖZKAN S. A., BOZAL PALABIYIK B., KURBANOĞLU S., USLU B.  
10th Aegean Analytical Chemistry Days, 29 September - 02 October 2016
129. **Electrochemical Determination of Rosuvastatin**  
KARADURMUŞ L., KURBANOĞLU S., USLU B., ÖZKAN S. A.  
10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016
130. **Electrochemical Glucose Biosensing via New Generation Conducting Polymers Gold Nanoparticles Glucose Oxidase Modified Electrodes**  
KURBANOĞLU S., AZAK H., YILDIZ H. B., ÖZKAN S. A.  
10th Aegean Analytical Chemistry Days, 29 September - 02 October 2016
131. **Simultaneous Estimation of Irbesartan and Hydrochlorothiazide in Their Binary Mixture by HPLC and UPLC**  
GÜMÜŞTAŞ M., ÖZGÜR D., ÖZKAN S. A.  
10th Aegean Analytical Chemistry Days, 29 September - 02 October 2016
132. **Electrochemical Detection of Interaction Between DNA and Leuprolide by Differential Pulse Voltammetry at the Electrode Surface and in Solution Phase**  
DOĞAN TOPAL B., ÖZKAN S. A.  
10th Aegean Analytical Chemistry Days, 29 September - 02 October 2016
133. **Applications of Carbon Based Electrode for Voltammetric Determination of Tenofovir in Pharmaceutical Dosage Forms**  
Özçelikay G., DOĞAN TOPAL B., ÖZKAN S. A.  
10th Aegean Analytical Chemistry Days, 29 September - 02 October 2016
134. **Voltammetric Oxidation and Determination of Imatinib in Spiked Human Urine Samples**  
USLU B., ÖZKAN S. A., Brycht M., Kaczmarska K., Skrzypek S.  
10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016
135. **Separation of Enantiomers of Butoxamine Using Polysaccharide Based Chiral Columns with Emphasis**

**on Enantiomer Elution Order**

GÜMÜŞTAŞ M., ÖZKAN S. A., Chankvetadze B.

10th Aegean Analytical Chemistry Days, 29 September - 02 October 2016

136. **Applications of Carbon Based Electrode for Voltammetric Determination of Tenofovir in Pharmaceutical Dosage Form**  
Özçelikay G., DOĞAN TOPAL B., ÖZKAN S. A.  
10th Aegean Analytical Chemistry Days, 29 September - 02 October 2016
137. **A novel Enzymatic Biosensor for the Detection of Catechol**  
KURBANOĞLU S., Rivas L., ÖZKAN S. A., Merkoçi A.  
International Symposium on Electrocatalysis, 11 - 14 September 2016
138. **FROM MERCURY TO NANOSENSORS**  
ÖZKAN S. A.  
3rd International Conference on Analytical Chemistry, 28 - 31 August 2016
139. **ELECTROCHEMICAL DETERMINATION OF ROSUVASTATIN AND EZETIMIBE FROM HUMAN SERUM AND URINE**  
KARADURMUŞ L., KURBANOĞLU S., USLU B., ÖZKAN S. A.  
3rd International Conference on Analytical Chemistry, 28 - 31 August 2016
140. **DETERMINATION OF DIHYDROERGOTAMINE VIA LC METHOD COUPLED WITH FLUORESCENCE DETECTION IN PHARMACEUTICAL FILM PREPARATIONS**  
KURBANOĞLU S., EŞİM Ö., KÖSE ÖZKAN C., SAVAŞER A., ÖZKAN S. A., ÖZKAN Y.  
3rd International Conference on Analytical Chemistry, 28 - 31 August 2016
141. **A dual electrochemical nanobiosensor for the inhibition based detection of captopril and catechol**  
KURBANOĞLU S., Rivas L., ÖZKAN S. A., Merkoçi A.  
3rd International Conference on Analytical Chemistry, 28 - 31 August 2016
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143. **Entekapon'un farmasötik dozaj formundan UV spektrofotometrik tayini**  
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145. **Elektroaktif pili (akridin turuncusu) polimer filmlerinin elektrokimyasal sentezi, karakterizasyonu ve sensor uygulamaları**  
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147. **Dutasterit ve Tamsulosin'in eş zamanlı kromatografik analizi**  
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150. **Ritodrin Enantiyomerlerinin Ayrımı için Ypsk Yöntemi Geliştirilmesi**  
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151. **İrbesartan ve Hidroklorotiyazidin Ypsk ve Upsk ile Eş Zamanlı Analizi**  
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153. **Electrochemically reduced graphene and iridium oxide nanoparticles for inhibition based angiotensin converting enzyme inhibitor detection and determination**  
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155. **The importance of electroanalytical method validation in drug analysis**  
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156. **Chromatographic investigation and simultaneous determination of some antiviral pharmaceuticals from biological samples**  
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157. **The effect of core shell particles on chromatographic determination and optimization of dutasteride and tamsulosin**  
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159. **A NOVEL RP LC METHOD FOR THE SIMULTANEOUS DETERMINATION OF ROSUVASTATIN AND EZETIMIBE FROM RABBIT PLASMA AND PHARMACEUTICAL DOSAGE FORM**  
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160. **6 Thioguanine And Its Metabolites Determination By Liquid Chromatography With Pulsed Electrochemical Detection At Silver Electrode In Urine**  
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161. **Development of RP LC Method For The Simultaneous Determination Of Simvastatin And Ezetimibe From Rabbit Plasma Pharmaceutical Dosage Form And Drug Dissolution Studies**  
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163. **İlaç analizlerinde validasyonun önemi**  
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164. **Voltametri UV ve florimetrik spektroskopi yöntemleri ile lapatinib dsDNA etkileşim mekanizmasının aydınlatılması**  
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165. **Dienogest Etken Maddesinin Elektrokimyasal Davranışının İncelenmesi Ve Modifiye Elektrodun Elektrokimyasal İmpedans Yöntemiyle Karakterizasyonu**  
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166. **Uv ve Florimetrik Spektroskopi Yöntemleri İle Lapatinip Dsdna Etkileşim Mekanizmasının Aydınlatılması**  
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167. **Determination of emtricitabine rilpivirine and tenofovir from biological samples with using LC and CE methods**  
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168. **Separation the enantiomers of selected chiral agonists derivatives from the viewpoint of high performance liquid chromatography and capillary electrophoresis**  
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169. **Optimization and validation of a RP LC method for the sensitive determination of antazoline and tetrahydrozoline**  
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170. **UV Visible Spectrophotometric Study of the Interaction of Aripiprazole with dsDNA**  
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171. **Detection of Damaged DNA Antidepressant Drug Interaction Through Electrochemical DNA Biosensor**  
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172. **FROM MERCURY TO NANOSENSORS PAST PRESENT AND THE FUTURE PERSPECTIVE OF ELECTROCHEMISTRY ON PHARMACEUTICAL AND BIOMEDICAL ANALYSIS**  
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173. **Design of a Lab on a chip system for the detection of Antithyroid drug using an enzyme cascade blocking in a nanoparticle based**  
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175. **Electrochemical behaviour of antiviral drug tenofovir on glassy carbon electrode**  
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176. **Rhamnolipid production by pseudomonas spp In pulps**  
KAŞKATEPE B., YILDIZ S., GÜMÜŞTAŞ M., ÖZKAN S. A.  
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177. **DEVELOPMENT OF A SUITABLE SIMULTANEOUS DISSOLUTION METHOD FOR ATORVASTATIN AND EZETİMİBE IN THEIR PHARMACEUTICAL DOSAGE FORM BY RP LC**

Kose Ozkan C., Esim O., KURBANOĞLU S., Savaser A., Ozkan Y., ÖZKAN S. A.

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178. **SIMULTANEOUS DETERMINATION OF ATORVASTATIN AND AMLODIPINE IN PHARMACEUTICALS AND APPLICATION ON DRUG DISSOLUTION STUDIES FOR KINETIC 100 PARAMETERS**

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179. **Investigation Of An Anticancer Drug Sorafenib Redox Behavior At Different Electrodes And Electrochemical Impedance Behavior Of The Developed Sensor**

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180. **Development of a capillary electrophoresis method for the determination of emtricitabine rilpivirine and tenofovir from biological samples**

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181. **Design of a electrochemical nanobiosensor for the determination of catechol**

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182. **DESIGN OF AN ELECTROCHEMICAL NANOBIOSENSOR FOR THE DETERMINATION OF CATECHOL**

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183. **Application of various electrochemical biosensors**

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184. **Marital status after the diagnosis of multiple sclerosis**

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185. **Comparative capillary electrophoresis and HPLC separation of enantiomers of selected chiral Agonists**

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186. **Antihipertansif Enalapril, Lerkanidipin, Nitrendipin'xxin TF-SK ile eş zamanlı Tayin Yöntemleri ve Validasyonu**

KURBANOĞLU S., GÜMÜŞTAŞ M., USLU B., ÖZKAN S. A.

15. Ulusal Kromatografi Kongresi, Turkey, 8 - 10 April 2015

187. **Fulvetrantin Ters Faz Sivi Kromatografik Yontemle Biyolojik Sivilar ve Polimerik Bazli Nanopartikullerden Analizi**

GÜMÜŞTAŞ M., ŞENGEL TÜRK C. T., HASÇİÇEK C., ÖZKAN S. A., BAKAR F., EVCİMEN N., SAVAŞER A., ÖZKAN Y.

15. Ulusal Kromatografi Kongresi (Kromatografi 2015), Turkey, 8 - 10 April 2015

188. **Antihipertansif ilaçların kromatografik yöntemlerle analizinde son gelişmeler**

Cansu Y., BOZAL PALABIYIK B., DOĞAN TOPAL B., ÖZKAN S. A., USLU B.

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189. **Antihipertansif Enalapril Lerkanidipin Nitrendipin in TF SK İle Eş Zamanlı Tayin Yöntemleri Ve Validasyonu**

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190. **Antihipertansif ilaçların kromatografik yöntemlerle analizinde son gelişmeler**

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YAKAR C., BOZAL PALABIYIK B., DOĞAN TOPAL B., ÖZKAN S. A., USLU B.

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192. **Fulvestrant in Ters Faz Sıvı Kromatografik Yöntemle Biyolojik Sıvılar ve Polimerik Bazlı Nanopartiküllerden Analizi**  
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193. **Hastane Enfeksiyonu Etkeni Pseudomonas Aeruginosa Suş larında Biyosümfaktan Üretimi**  
KAŞKATEPE B., YILDIZ S., GÜMÜŞTAŞ M., ÖZKAN S. A.  
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194. **Electrochemical Nanobiosensor for the dual catalytic/Inhibition based biosensing of methimazole and catechol**  
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195. **Comperative study for the determination of gemifloxacin by HPLC and microbiological methods from pharmaceutical preparations and biological samples**  
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196. **Electrochemical mechanism and kinetic studies of nilotinib**  
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197. **A comperative determination study of repaglinide by HPLC, UPLC and electrochemical method**  
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198. **Fabrication Of Fulvestrant Loaded Modified Released Nanoparticles: Effect Of Copolymer Molecular Weight On Particle Characteristics**  
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202. **The value of analytical method validation in pharmaceutical analysis**  
ÖZKAN S. A.  
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203. **Electrochemical interaction of antidepressant drug aripiprazole with DNA and DNA damage induced by UV C radiation and chemical agents**  
KURBANOĞLU S., DOĞAN TOPAL B., LENKA H., JAN L., ÖZKAN S. A., USLU B.  
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204. **Fulvestrant Loaded Plga Nanoparticles: Influence Of Polymer Copolymer Composition On In-Vitro Properties And Anti-Proliferative Potencies Against MCF-7 Breast Cancer Cells**  
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205. **Iridyum Oksit ve Tirozinaz Enzimi ile Fonksiyonlandırılmış Manyetik Nanopartikül Bazlı Elektrokimyasal Nanobiyosensör Tasarımı**  
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206. **LC-MS Method for the sensitive determination of Metoclopramide: Application to rabbit plasma, gel formulations and pharmaceuticals**  
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207. **Doğal ve denatüre alfa 2 makroglobulinin karbon esaslı elektrotlar ile elektrokimyasal yükseltgenmesi**  
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208. **Voltammetric behavior and determination of antidepressant drug paroxetine at carbon based electrodes**  
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209. **Iridyum Oksit ve Tirozinaz Enzimi ile Fonksiyonlandırılmış Manyetik Nanopartikül Bazlı Elektrokimyasal Nanobiyosensör Tasarımı**  
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210. **Electrochemical DNA Biosensor for Antidepressant Drug Aripiprazole**  
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211. **Electrochemical investigation for gemifloxacin and dsDNA interaction**  
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212. **Simultaneous determination of amlodipine and rosuvastatin in pharmaceuticals by LC and voltammetric techniques**  
KARADAŞ BAKIRHAN N., GÜMÜŞTAŞ M., USLU B., ÖZKAN S. A.  
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213. **Enantiomeric separation of chiral  $\beta$ -agonist derivatives with using normal phase eluents by HPLC**  
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214. **Application of Novel Core-shell Type Polysaccharide-based Chiral Stationary Phases for Separation of Enantiomers in Nano Liquid Chromatography**  
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216. **Electrochemical mechanism of anticancer drug lapatinib and its interaction with dsDNA by comparison spectroscopic techniques**  
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220. **Application of Novel Core-shell Type Polysaccharide-based Chiral Stationary Phases for Separation of Enantiomers in Nano Liquid Chromatography and Capillary Electrochromatography**  
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221. **Voltammetric investigation of lapatinib at glassy carbon electrode**  
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222. **Sensitive determination of antiviral drug valganciclovir based on multi walled carbon nanotube modified glassy carbon electrode in pharmaceutical dosage forms**  
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223. **Electrochemical and spectroscopic studies of the interaction between anticancer drug lapatinib and calf thymus DNA**  
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224. **COOH functionalized carbon nanotubes with silver nanoparticles to fabricate a sensor for the determination of zolmitriptan**  
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225. **Determination and mechanism study of antiviral drug fosamprenavir using carbon paste electrode in the presence of Triton X- 100**  
Ashrafi A. M., GÜMÜŞTAŞ M., Vytras K., Nematollahi D., USLU B., Mikysek T., Ro J., ÖZKAN S. A.  
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226. **Electrochemical investigations of anticancer drug idarubicin using multi walled carbon nanotubes modified glassy carbon and pyrolytic graphite electrodes**  
KURBANOĞLU S., DOĞAN TOPAL B., USLU B., CAN A., ÖZKAN S. A.  
ULUSLARARASI KATILIMLI ELEKTROKİMYA CALISTAYI, Turkey, 23 - 28 June 2013
227. **Simultaneous determination of amlodipine and atorvastatine from pharmaceutical dosage forms by voltammetric methods**  
DOĞAN TOPAL B., BOZAL PALABIYIK B., DEMİRCİGİL B. T., USLU B., ÖZKAN S. A.  
I. Uluslararası Katılımlı Elektrokimya Çalıştayı, Muğla, Turkey, 23 - 28 June 2013
228. **Kanser tedavisinde kullanılan Fulvestrant'ın ters faz sıvı kromatografik yöntemle analizi**  
GÜMÜŞTAŞ M., ŞENGEL TÜRK C. T., HASÇİÇEK C., ÖZKAN S. A.  
Kromatografi 2013, Bursa, Turkey, 19 - 22 June 2013
229. **Simultaneous estimation and validation of some binary mixtures of antihypertensive drugs by RP-LC method**  
KURBANOĞLU S., GÜMÜŞTAŞ M., ÖZKAN S. A.  
1 st International Conference on Analytical Chemistry RO-ICAC 2012, Targovishte, Bulgaria, 18 - 21 September 2012
230. **Carbon nanotube modified electrodes for electrochemical assay of idarubicine**  
KURBANOĞLU S., DOĞAN TOPAL B., USLU B., ÖZKAN S. A.  
1st International Conference on Analytical Chemistry, 18 - 21 September 2012
231. **High performance liquid chromatographic determination of clobetasol propionate and calcipotriol in a fixed dose combination formulation**

- BADILLI F. U., AMASYA G., ÖZKAN S. A., TARIMCI M. N.  
16th International Pharmaceutical Technology Symposium, Antalya, Turkey, 10 - 12 September 2012
232. **Yeni nesil kolonlarla antihipertansif ilaç etken maddeleri için eş zamanlı tayin yöntemleri ve validasyonu**  
KURBANOĞLU S., GÜMÜŞTAŞ M., ÖZKAN S. A.  
6. Ulusal Analitik Kimya Kongresi, Turkey, 3 - 07 September 2012
233. **Antiparkinson etkili maddelerin farmasötik dozaj formundan HPLC yöntemiyle eş zamanlı miktar tayini**  
GÜMÜŞTAŞ M., USLU B., ÖZKAN S. A.  
Ulusal Analitik Kimya Kongresi 2012, Antakya, Turkey, 3 - 07 September 2012
234. **Yeni nesil kolonlarla antihipertansif ilaç etken maddeler için eş zamanlı tayin yöntemleri ve validasyonu**  
KURBANOĞLU S., GÜMÜŞTAŞ M., ÖZKAN S. A.  
6. Ulusal Analitik Kimya Kongresi, Antakya, Turkey, 3 - 07 September 2012
235. **Etopozit'in farmasötik dozaj şekillerinden karbon nanotüp ile modifiye edilmiş elektrot kullanarak tayini**  
BOZAL PALABIYIK B., DOĞAN TOPAL B., USLU B., ÖZKAN S. A.  
6. Ulusal Analitik Kimya Kongresi, Hatay, Turkey, 3 - 07 September 2012, pp.13
236. **Novel sensor based on multi walled carbon nanotubes modified glassy carbon electrode for the determination of idarubicin**  
KURBANOĞLU S., DOĞAN TOPAL B., USLU B., ÖZKAN S. A.  
ISOPS 10, 26 - 29 June 2012
237. **Simultaneous determination of trandolapril and verapamil in pharmaceutical formulations**  
GÜMÜŞTAŞ M., ŞANLI S., ŞANLI N., ÖZKAN S. A.  
10th International Symposium on Pharmaceutical Sciences (ISOPS-10), Ankara, Turkey, 26 - 29 June 2012
238. **Investigation on electrochemical behavior of indole-hydrazones**  
ŞİRİNZADEH H., TEKİNER GÜLBAŞ P. B., Yılmaz A. D., GÜMÜŞTAŞ M., ÖZKAN S. A., SÜZEN S.  
10th International Symposium on Pharmaceutical Sciences (ISOPS-10), Ankara, Turkey, 26 - 29 June 2012
239. **Electrochemical study of the interaction of antibacterial drug gemifloxacin with dsDNA on pencil graphite electrode**  
BOZAL PALABIYIK B., DOĞAN TOPAL B., USLU B., ÖZKAN S. A., ABOUL ENEIN H. Y.  
10th International Symposium on Pharmaceutical Sciences (10th ISOPS), Ankara, Turkey, 26 - 29 June 2012
240. **Determination of anticancer drug epirubicin in pharmaceutical preparations via glassy carbon electrode**  
KURBANOĞLU S., GÜMÜŞTAŞ M., BOZAL PALABIYIK B., USLU B., ÖZKAN S. A.  
14. International Conference on Electrochemistry, Portoroz, Slovenia, 3 - 07 June 2012
241. **Electrochemical behavior and determination of antidiabetic drug repaglinide at glassy carbon electrode**  
Coşkun G., GÜMÜŞTAŞ M., ÖZKAN S. A.  
14. International Conference on Electrochemistry, Portoroz, Slovenia, 3 - 07 June 2012
242. **Voltammetric determination of the anticancer drug etoposide using carbon nanotube modified glassy carbon electrode**  
BOZAL PALABIYIK B., DOĞAN TOPAL B., USLU B., ÖZKAN S. A.  
14th International Conference on Electroanalysis (ESEAC 2012), Portoroz, Slovenia, 3 - 07 June 2012
243. **Understanding Electrochemical Mechanism of Epirubicin on Glassy Carbon Electrode via Model Pharmaceuticals**  
KURBANOĞLU S., GÜMÜŞTAŞ M., BOZAL PALABIYIK B., USLU B., ÖZKAN S. A.  
9. International Conference on Electrochemistry, İzmir, Turkey, 25 - 29 September 2011
244. **Electrochemical Oxidation of Benidipine at Glassy Carbon Electrode and Its Direct Determination in Pharmaceutical Dosage Forms**  
KARADAŞ BAKIRHAN N., GÜMÜŞTAŞ M., ÖZKAN S. A.

9. International Conference on Electrochemistry, İzmir, Turkey, 25 - 29 September 2011
245. **Electrochemical Behavior of Epirubicin at Boron-Doped Diamond Electrode and Its Determination in the Presence of Surfactants**  
KURBANOĞLU S., GÜMÜŞTAŞ M., BOZAL PALABIYIK B., USLU B., ÖZKAN S. A.  
9. International Conference on Electrochemistry, İzmir, Turkey, 25 - 29 September 2011
246. **Electrochemical behavior of epirubicin at boron doped diamond electrode and its determination in the presence of surfactants**  
KURBANOĞLU S., GÜMÜŞTAŞ M., BOZAL PALABIYIK B., USLU B., ÖZKAN S. A.  
9th International Electrochemistry Meeting in Turkey, İzmir, Turkey, 25 - 29 September 2011
247. **Oseltamivir' in Farmasötik Dozaj formlarından Ters Faz YPSK Yöntemiyle Miktar Tayini**  
GÜMÜŞTAŞ M., ÖZKAN S. A.  
Kromatografi Sempozyumu 2011, Diyarbakır, Turkey, 7 - 10 September 2011
248. **Development Of Validated Rp-Hplc Method For The Estimation Of Gemifloxacin From Tablet Dosage Form**  
GÜMÜŞTAŞ M., ÖZKAN S. A.  
DRD 2011, Antalya, Turkey, 27 - 29 May 2011
249. **Determination Of Granisetron By HPLC-DAD Technique In Pharmaceutical Dosage Forms**  
GÜMÜŞTAŞ M., ÖZKAN S. A.  
DRD 2011, Antalya, Turkey, 27 - 29 May 2011
250. **Analytical Applications Of Voltammetric Methods For The Simultaneous Determination Of Bisoprolol Fumarate And Hydrochlorothiazide In Their Dosage Forms**  
USLU B., BOZAL PALABIYIK B., GÜMÜŞTAŞ M., DOĞAN TOPAL B., ÖZKAN S. A.  
International Society of Electrochemistry Meeting 2011, Turku, Finland, 8 - 11 May 2011
251. **A Novel Sensor for Antibiotic Drug Ertapenem Based on Electrochemical Oxidation Using Boron Doped Diamond Electrode**  
GÜMÜŞTAŞ M., ÖZKAN S. A.  
International Society of Electrochemistry Meeting 2011, Turku, Finland, 8 - 11 May 2011
252. **Optimization of LC Methods for the Simultaneous Determination of Bisoprolol and Hydrochlorothiazide in Their Pharmaceutical Dosage Forms**  
GÜMÜŞTAŞ M., BOZAL PALABIYIK B., DOĞAN TOPAL B., ÖZKAN S. A., USLU B.  
ISC 2010, Valensiya, Spain, 12 - 16 September 2010
253. **Development of a Validated LC Method For The Simultaneous Determination Of Amlodipine and Perindopril in Their Commercial Dosage Forms**  
GÜMÜŞTAŞ M., ÖZKAN S. A.  
ISC 2010, Valensiya, Spain, 12 - 16 September 2010
254. **Simultaneous Determination of Enalapril and Lercanidipine by HPLC-DAD Technique in Pharmaceutical Dosage Forms**  
GÜMÜŞTAŞ M., ŞANLI S., ŞANLI N., ÖZKAN S. A.  
ISC 2010, Valensiya, Spain, 12 - 16 September 2010
255. **Optimization of LC methods for the simultaneous determination of bisoprolol and hydrochlorothiazide in their pharmaceutical dosage forms**  
GÜMÜŞTAŞ M., BOZAL PALABIYIK B., DOĞAN TOPAL B., ÖZKAN S. A., USLU B.  
28th International Symposium on Chromatography (ISC 2010), 12 - 16 September 2010
256. **Electrochemical Evaluation and Determination of Antiretroviral Drug Fosamprenavir in Pharmaceutical Dosage Forms and Biological Samples**  
GÜMÜŞTAŞ M., ÖZKAN S. A.  
Euro Analysis 2009, Innsbruck, Austria, 6 - 10 September 2010
257. **Anodic voltammetry of antiretroviral drug fosamprenavir at boron-doped diamond and glassy carbon electrodes and its determination**  
GÜMÜŞTAŞ M., ÖZKAN S. A.  
8 th International Electrochemistry Meeting, Antalya, Turkey, 8 - 11 October 2009

258. **Fosamprenavir'in farmasötik dozaj formlarından RP-HPLC yöntemiyle miktar tayini**  
GÜMÜŞTAŞ M., ŞANLI S., ŞANLI N., ÖZKAN S. A.  
Kromatografi Sempozyumu 2009, Trabzon, Turkey, 26 - 29 September 2009
259. **Electrochemical Oxidation of Antiretroviral Drug Fosamprenavir at Glassy Carbon Electrode and Its Direct determination in Pharmaceutical Dosage Forms by Square Wave and Differential Pulse Voltammetry**  
GÜMÜŞTAŞ M., ÖZKAN S. A.  
5 th Blacksea Basin Conference on Analytical Chemistry, Ordu, Turkey, 23 - 26 September 2009
260. **Development and validation of reverse phase high performance liquid chromatography method for the determination of clindamycin phosphate in chitosan microspheres**  
KILIÇARSLAN M., ÖZKAN S. A., BAYKARA T.  
Abstract Book,9th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 23 - 26 June 2009, pp.182
261. **. synthesis and investigation of electrochemical behaviour of N-methylindole-3-carboxaldehyde izonicotinoyl hydrazone**  
ŞİRİNZADE H., GÜMÜŞTAŞ M., SÜZEN S., ÖZKAN S. A., ÖZDEN M. S.  
9 th International Symposium on Pharmaceutical Sciences (ISOPS-9), 23 - 26 June 2009
262. **Synthesis and investigation of electrochemical behaviour of n-methylindole-3-carboxaldehyde izonicotinoyl hydrazone**  
SHIRINZADEH H., GÜMÜŞTAŞ M., SEÇKİN Ö., SÜZEN S., ÖZKAN S. A.  
9th International Symposium on Pharmaceutical Sciences (ISOPS-9), Ankara, Turkey, 23 June - 26 May 2009
263. **İlaçlardan ve kan serumundan irbesartanın elektrokimyasal yöntemlerle tayini**  
BOZAL PALABIYIK B., DOĞAN TOPAL B., USLU B., ÖZKAN S. A.  
IV. Ulusal Analitik Kimya Kongresi, Elazığ, Turkey, 25 - 27 June 2008

### Academic and Administrative Experience

2023 - Continues	<b>Head of Department</b>	Ankara University
2012 - 2019	<b>Vice Rector</b>	Ankara University
2007 - 2012	<b>Deputy Head of Department</b>	Ankara University

### Courses

- ayırma teknikleri, Postgraduate, 2022 - 2023  
 Voltametri ve polarografi, Doctorate, 2022 - 2023  
 analitik kimya II, Undergraduate, 2022 - 2023  
 Analytical Chemistry II, Undergraduate, 2022 - 2023  
 Analitik Validasyon, Undergraduate, 2018 - 2019  
 Araştırma Projesi Uygulama, Undergraduate, 2018 - 2019, 2015 - 2016  
 Uzmanlık Alan Dersi, Doctorate, 2018 - 2019, 2017 - 2018  
 Organik Kimya, Doctorate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
 Voltametri ve Polarografi I (Uygulama), Doctorate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
 Analitik Kimya I (Teorik), Undergraduate, 2018 - 2019, 2016 - 2017  
 Ayırma Teknikleri, Doctorate, 2018 - 2019  
 Ayırma Teknikleri (Uygulama), Doctorate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
 İlaç Analizleri I (Teorik), Doctorate, 2018 - 2019, 2017 - 2018, 2016 - 2017

Araştırma Projesi Teorik, Undergraduate, 2018 - 2019, 2015 - 2016  
Aletli Analiz, Undergraduate, 2018 - 2019  
Analitik Kimya Uygulama I, Undergraduate, 2018 - 2019  
Araştırma Projesi (Teorik), Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016  
Ayrırma Teknikleri (Teorik), Doctorate, 2017 - 2018, 2016 - 2017, 2015 - 2016  
Analitik Kimya I (Uygulama), Undergraduate, 2017 - 2018, 2016 - 2017  
Genel Kimya II (Teorik), Undergraduate, 2017 - 2018, 2015 - 2016  
Analitik Kimya II (Uygulama), Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016  
Araştırma Projesi (Uygulama), Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016  
Organik Kimya, Undergraduate, 2017 - 2018  
Aletli Analiz (Teorik), Undergraduate, 2017 - 2018, 2016 - 2017  
Analitik Validasyon (Teorik), Undergraduate, 2017 - 2018, 2016 - 2017  
Voltametri ve Polarografi I (Uygulama, Doctorate, 2017 - 2018  
İlaç Analizleri I (Teorik), Undergraduate, 2017 - 2018, 2015 - 2016  
Genel Kimya I (Teorik), Undergraduate, 2017 - 2018  
Uzmanlık Alan Dersi (Teorik), Doctorate, 2016 - 2017  
Organik Kimya (Teorik), Doctorate, 2016 - 2017  
Analitik Kimya II, Doctorate, 2016 - 2017  
Araştırma Projesi (Uygulama), Doctorate, 2016 - 2017  
Araştırma Projesi (Teorik), Doctorate, 2016 - 2017  
33706010 Ayrırma Teknikleri (Uygulama), Doctorate, 2016 - 2017  
Elektroanalitik Kimyada İleri Konular (Uygulama), Undergraduate, 2015 - 2016  
ALETLİ ANALİZ TEORİK, Undergraduate, 2015 - 2016  
GENEL KİMYA I TEORİK, Undergraduate, 2015 - 2016  
Uzmanlık Alan, Doctorate, 2015 - 2016  
ANALİTİK VALİDASYON TEORİK, Undergraduate, 2015 - 2016  
ANALİTİK KİMYA I UYGULAMA, Undergraduate, 2015 - 2016  
Kompleks Kimyası (Teorik), Doctorate, 2015 - 2016  
Analitik Kimya, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2000 - 2001  
Genel Kimya, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2000 - 2001  
Ayrırma Teknikleri, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2000 - 2001  
Elektroanalitik Kimyada İleri Konular, Doctorate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004  
Voltametri Polarografi, Doctorate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004

## Advising Theses

Özkan S. A., Nanomateryal bazlı mikro-katı faz ekstraksiyonu ile énderiğtirme yapılmıđ aegitli numunelerin HPLC-MS/MS analizleri ve biyosensör tasarımları, Doctorate, T.CEREN(Student), 2023  
Özkan S. A., Selexipag ve vismodegib ilaç etken maddeleri ve impüritelerinin spektroskopik olarak karakterizasyonu ve kromatografik yöntemlerle analitik yöntem geliştirilmesi ve validasyonu, Doctorate, M.CEREN(Student), 2023  
Özkan S. A., Endokrin bozucu bazı kimyasalların seçici ve hassas sensörlerle tayini, Doctorate, S.İREM(Student), 2022  
Özkan S. A., Kanseri ve nörolojik hastalıklara yönelik elektrokimyasal biyosensör sistemlerinin geliştirilmesi, Doctorate, G.ÖZÇELİKAY(Student), 2022  
Özkan S. A., Kiral bileşiklerin enantiyomerlerinin analizi için elektrokimyasal sensör geliştirilmesi, Doctorate, L.KARADURMUŞ(Student), 2021

ÖZKAN S. A., Bazı anjiotensin II antagonisti ilaç karışımlarının fotodiyot dizi dedektör ve kütle spektrometresi ile sıvı kromatografisinde aynı anda analizleri ve validasyonları, Doctorate, T.NEMLİOĞLU(Student), 2019

ÖZKAN S. A., Antineoplastik ilaç etken maddelerinin modifiye katı elektrotlar ile elektroanalitik incelenmesi ve nanosensör tasarımı, Doctorate, N.KARADAŞ(Student), 2017

ÖZKAN S. A., Beta agonist ilaç etken maddelerin kiral davranışlarının incelenmesi, Doctorate, M.GÜMÜŞTAŞ(Student), 2016

ÖZKAN S. A., Çeşitli ilaçların tirozinaz inhibisyonundaki rollerini incelemek amaçlı elektrokimyasal nanobiyosensör ve mikroçip tasarımı, Doctorate, S.KURBANOĞLU(Student), 2016

ÖZKAN S. A., Antiviral ilaç etken maddesi tenofovir'in elektrokimyasal davranışı için nanosensör tasarımı, Postgraduate, G.ÖZÇELİKAY(Student), 2016

ÖZKAN S. A., Anjiyotensin II reseptör blokleri bazı ilaçların hidroklorotiyazid ile kombinasyonlarının UPLC yöntemi ile aynı anda tayini ve validasyonu, Postgraduate, D.ÖZGÜR(Student), 2011

ÖZKAN S. A., Bazı antiviral ve antineoplastik ilaç etken maddelerinin DNA ile etkileşimi ve elektrokimyasal analizleri, Doctorate, B.DOĞAN(Student), 2011

ÖZKAN S. A., İkili ilaç etkin madde karışımlarının elektrokimyasal olarak incelenmesi, Doctorate, B.TOLGA(Student), 2010

ÖZKAN S. A., Anjiyotensin dönüştürücü enzim inhibitörü ve kalsiyum kanal blokörü kombinasyonu ilaçların yüksek performanslı sıvı kromatografi yöntemi ile aynı anda analizi, Postgraduate, M.GÜMÜŞTAŞ(Student), 2009

ÖZKAN S. A., Telmisartan ve hidroklorotiazit'in YPSK yöntemleri ile aynı anda analizi, Postgraduate, T.KUTUCU(Student), 2008

ÖZKAN S. A., Rosiglitazon Maleat'ın elektroanalitik incelenmesi ve tayini, S.TUNÇEL(Student), 2008

ÖZKAN S. A., Antidiyabetik Repaglinid'in elektrokimyasal davranışının incelenmesi ve analizi, Postgraduate, G.COŞKUN(Student), 2008

ÖZKAN S. A., Yüksek performanslı sıvı kromatografisi ve ilaç analizlerindeki uygulamaları, Postgraduate, L.YENİLMEZ(Student), 2006

ÖZKAN S. A., Karvedilol'ün elektrokimyasal yöntemlerle miktar tayini, Postgraduate, B.DOĞAN(Student), 2005

ÖZKAN S. A., Antihiperlipidemik Simvastatin'in çeşitli voltametrik tekniklerle miktar tayini, Postgraduate, Ö.ÇORUH(Student), 2002

## Activities in Scientific Journals

ANALYTICAL AND BIOANALYTICAL CHEMISTRY, Committee Member, 2023 - Continues

CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY, Committee Member, 2022 - Continues

JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS OPEN, Committee Member, 2022 - Continues

Green Analytical Chemistry, Committee Member, 2021 - Continues

Advances in Sample Preparation, Committee Member, 2021 - Continues

JOURNAL OF FACULTY OF PHARMACY OF ANKARA UNIVERSITY, Committee Member, 2021 - Continues

Biosensors and Bioelectronics: X, Committee Member, 2021 - Continues

Sensor International, Committee Member, 2020 - Continues

ANALYTICA (MDPI Journal), Committee Member, 2020 - Continues

JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, Editor, 2019 - Continues

TURKISH JOURNAL OF CHEMISTRY, Committee Member, 2017 - Continues

CURRENT PHARMACEUTICAL ANALYSIS, Editor, 2017 - Continues

TALANTA, Advisory Committee Member, 2010 - Continues

CHROMATOGRAPHIA, Advisory Committee Member, 2003 - Continues

## Memberships / Tasks in Scientific Organizations

International Society of Electrochemistry (ISE), Member, 2023 - Continues, Switzerland

EuChemS: Division of Analytical Chemistry; Member of the Study Groups of Sample Preparation, Member, 2021 -

Continues, Belgium

EuChemS: Division of Analytical Chemistry; Member of the Study Groups of Electroanalytical Chemistry, Member, 2020 - Continues, Belgium

EuChemS: Steering Committee of the Division of Analytical Chemistry, Member, 2017 - Continues, Belgium

EuChemS: Delegates of the Division of Analytical Chemistry, Member, 2015 - Continues, Belgium

## Scientific Refereeing

TALANTA, SCI Journal, December 2022

TRENDS IN ENVIRONMENTAL ANALYTICAL CHEMISTRY, SCI Journal, November 2022

TRAC - TRENDS IN ANALYTICAL CHEMISTRY, SCI Journal, November 2022

TALANTA, SCI Journal, October 2022

TRAC - TRENDS IN ANALYTICAL CHEMISTRY, SCI Journal, October 2022

ELECTROCHIMICA ACTA, SCI Journal, September 2022

TALANTA, SCI Journal, September 2022

SENSORS AND ACTUATORS, B: CHEMICAL, SCI Journal, August 2022

TRAC - TRENDS IN ANALYTICAL CHEMISTRY, SCI Journal, July 2022

SENSORS AND ACTUATORS, B: CHEMICAL, SCI Journal, June 2022

TALANTA, SCI Journal, June 2022

ELECTROCHIMICA ACTA, SCI Journal, June 2022

TRENDS IN ENVIRONMENTAL ANALYTICAL CHEMISTRY, SCI Journal, June 2022

Microchimica Acta, SCI Journal, April 2022

TRENDS IN ENVIRONMENTAL ANALYTICAL CHEMISTRY, SCI Journal, April 2022

## Scientific Consultations

Türkiye İlaç ve Tıbbi Cihaz Kurumu, Scientific Consultancy, Ankara University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, Turkey, 2020 - Continues

## Metrics

Publication: 916

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H-Index (Scopus): 51

## Invited Talks

Validasyon: Elektroanalitik Analizlerdeki Yeri ve İlgili Parametreleri, Seminar, METROHM, Turkey, April 2022

## Research Areas

Health Sciences, Natural Sciences