



# SİBEL AYŞIL ÖZKAN

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### Öğrenim Bilgisi

Doktora

1988 - 1994

Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Analitik Kimya (Dr), Türkiye

Yüksek Lisans

1986 - 1988

Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Analitik Kimya (YI) (Tezli), Türkiye

Lisans

1981 - 1985

Ankara Üniversitesi, Eczacılık Fakültesi, Eczacılık Pr., Türkiye

### Yabancı Diller

İngilizce, B2 Orta Üstü

### Yaptığı Tezler

Doktora, Bazı ilaçların elektroanalitik incelenmesi, Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Analitik Kimya (Dr), 1994

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

### Akademik Unvanlar / Görevler

## Desteklenen Projeler

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8. Özkan S. A., Nemutlu E., Reçber T., TÜBİTAK Projesi, Mikroçip Elektroforez 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
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## Jüri Üyelikleri

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Akademik Kadroya Atama-Doçentlik, Akademik Kadroya Atama-Doçentlik, Adıyaman Üniversitesi, Eylül, 2022

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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.  
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10. **Enzalutamide-human serum albumin interaction: Electrochemical exploration of complex formation and binding parameters**  
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15. **Innovative Graphene-Based Nanocomposites for Improvement of Electrochemical Sensors: Synthesis, Characterization, and Applications**  
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21. **Recent trends in sensors and diagnostics**  
ÖZKAN S. A., Zor E.  
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ÖZKAN S. A.

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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**  
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ANALYTICAL METHODS, sa.10, ss.1480-1488, 2024 (SCI-Expanded)
26. **Development and Fabrication of a Molecularly Imprinted Polymer-Based Electroanalytical Sensor for the Determination of Acyclovir**  
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39. **A Dynamic and Pseudo-Homogeneous MBs-icELISA for the Early Detection of Aflatoxin B1 in Food and Feed**  
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41. **Electrochemical Behavior and Determination of Tolvaptan Using Glassy Carbon and Boron-Doped Diamond Electrodes**  
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KARADURMUŞ L., Budak F., Cetinkaya A., Atici E. B., ÖZKAN S. A.  
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43. **Anodic oxidation of adenine nucleoside analog fludarabine on NH<sub>2</sub> functionalized multi-walled carbon nanotube modified glassy carbon electrode**  
DOĞAN TOPAL B., KARADAŞ BAKIRHAN N., TAŞKIN TOK T., ÖZKAN S. A.  
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44. **Electrochemical behavior of zafirlukast and its determination in pharmaceutical formulations using sodium dodecyl sulfate doped over-oxidized polypyrrole/amine functionalized multi-walled carbon nanotube composite film**  
MOLLARASOULI F., KARADAŞ BAKIRHAN N., ÖZKAN S. A.  
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45. **Highly sensitive carbon based nano hybrid sensor platform for determination of 5-hydroxytryptamine receptor agonist (Eletriptan)**  
KAYA S. İ., DEMİRKAN B., KARADAŞ BAKIRHAN N., ESRA K., KURBANOĞLU S., ÖZKAN S. A., ŞEN F.  
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46. **Immobilization Platforms for Tyrosinase Based Electrochemical Biosensors and Their Applications**  
KURBANOĞLU S., ÖZKAN S. A.  
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47. **Electrochemical, Spectroscopic and Molecular Docking Studies on The Interaction of Lercanidipine with dsDNA**  
DOĞAN TOPAL B., Shahzad S., KARADURMUŞ L., Caglayan M. G., Tok T. T., USLU B., Shah A., ÖZKAN S. A.  
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48. **An Overview of Electrochemical Carbon Based Nanosensors in Biological and Pharmaceutical Area: Current And Future Prospects**  
ÖZKAN S. A.  
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49. **Non-Enzymatic Electrochemical Catechol Detection Using A Novel Nanosensor**  
Mollarasouli F., KURBANOĞLU S., Asadpour Zeynal K., ÖZKAN S. A.  
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50. **A Novel Molecularly Imprinted Electrochemical Nanosensor Modified with Carbon Quantum Dots for the High Selective and Sensitive Determination of Pemetrexed**  
ÖZÇELİKAY G., KARADAŞ BAKIRHAN N., ÖZKAN S. A.  
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51. **A Sensitive Assay of Morphazinamide by an Electrochemical Nanosensor in Human Serum Sample**  
KARADAŞ BAKIRHAN N., IMANZADEH H., HABIBI B., ÖZKAN S. A.  
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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**  
KURBANOĞLU S., aftab s., ÖZÇELİKAY G., Shah A., Iftikhar F. J., ÖZKAN S. A.  
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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.  
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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.  
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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.  
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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.  
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57. **Electrochemical analysis of desloratadine by a new design carbon based electrode**  
USLU B., ÖZTÜRK K., KARADAŞ BAKIRHAN N., ÖZKAN S. A.  
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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.  
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59. **Validasyon: İlaç Analizlerindeki Yeri ve İlgili Parametreleri**  
ÖZKAN S. A.  
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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.  
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61. **Design of electrochemical DNA based nanobiosensor for the interaction of anticancer drugs with DNA**  
KARADURMUŞ L., KURBANOĞLU S., Shah A., ÖZKAN S. A.  
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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.  
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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.  
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64. **Development and validation of a HILIC method for simultaneous determination of carboplatin and decitabine**  
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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.  
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66. **TOWARDS ADVANCED ELECTROANALYTICAL NANOSENSORS: A PROMISING TOOL FOR THE ANALYSIS OF PHARMACEUTICALS**  
ÖZKAN S. A.  
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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.  
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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.  
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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.  
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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.  
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71. **Electrochemical MIP Sensor For Detection of Butyrylcholine esterase**  
ÖZKAN S. A., YARMAN A., KURBANOĞLU S., ÖZÇELİKAY G., wollenberger u., Scheller F. W.  
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72. **ENANTIOSEPARATION OF KETOCONAZOLE ANTIFUNGAL DRUG USING CAPILLARY ELECTROPHORESIS**  
Bounoua N., Sekkoum K., GÜMÜŞTAŞ M., Belboukhari N., ÖZKAN S. A.  
12th International Symposium on Pharmaceutical Sciences, Ankara, Türkiye, 26 - 29 Haziran 2018
73. **Electrochemical Behaviours Of Antihistamines Levocetirizine And Desloratadine In Aqueous Solutions**  
KARADAŞ BAKIRHAN N., ÖZTÜRK K., USLU B., ÖZKAN S. A.  
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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.  
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75. **Determination of lactic acid content of a lactic acid bacterium by high performance liquid chromatography**  
KIYMACI M. E., GÜMÜŞTAŞ M., ALTANLAR N., AKIN A., ZENCİROĞLU A., ÖZKAN S. A.  
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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, Türkiye, 26 - 29 Haziran 2018
77. **Electrochemical DNA Biosensor for The Interaction of Doxorubicin with DNA**  
KARADURMUŞ L., KURBANOĞLU S., Shah A., ÖZKAN S. A.  
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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.  
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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.  
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80. **Simultaneous Estimation of Olmesartan, Amlodipine, and Hydrochlorothiazide in Their Ternary Mixture by HPLC**  
ÖZKAN S. A., Nemlioğlu T., GÜMÜŞTAŞ M.  
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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.  
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82. **Molecularly Imprinted Electrochemical Sensor for determination of lipopeptide antibiotic drug**

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83. **Laktik Asit Bakterilerinin Antimikrobiyal Aktiviteleri ve Laktik Asit Üretim Düzeyleri**  
ÖZOĞLU Ö., GÜMÜŞTAŞ M., ÖZKAN S. A., GÜNEŞ ALTUNTAŞ E.  
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84. **LAKTİK ASİT BAKTERİLERİNİN ANTİMİKROBİYAL AKTİVİTELERİ VE LAKTİK ASİT ÜRETİM DÜZEYLERİ**  
ÖZOĞLU Ö., GÜMÜŞTAŞ M., ÖZKAN S. A., GÜNEŞ ATUNTAŞ E.  
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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.  
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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 Aralık 2017
87. **DESIGN OF A NANOSENSOR FOR THE ANALYSIS OF ANTI CANCER DRUG**  
KARADURMUŞ L., KURBANOĞLU S., Shahzad S., Shah A., ÖZKAN S. A.  
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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.  
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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.  
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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.  
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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.  
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92. **The Role and The Place of Carbon Based Electrochemical Nanosensors on Pharmaceutical and Biomedical Assay**  
ÖZKAN S. A.  
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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.  
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94. **Electrochemical nanobiosensor for the detection of catechol**  
KURBANOĞLU S., ÖZKAN S. A.  
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95. **ELECTROCHEMICAL ANALYSIS OF ANTICANCER DAUNORUBICIN USING MULTI-WALLED CARBON NANOTUBE MODIFIED EDGE PLANE CARBON ELECTRODE**  
KARADURMUŞ L., KURBANOĞLU S., Shahzad S., Shah A., ÖZKAN S. A.  
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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.

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97. **Acidity Constants of Cefprozime, Cefotaxime, Ceftriaxone**  
Budak S., POTURCU K., ÖZKAN S. A., ALSANCAK A. G.  
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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 Ekim 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 Eylül 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 Eylül 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.  
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102. **Simultaneous Determination of Perindopril, Indapamide and Amlodipine in Pharmaceutical Dosage form by HPLC**  
KARADURMUŞ L., GÜMÜŞTAŞ M., KURBANOĞLU S., ÖZKAN S. A.  
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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.  
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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.  
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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.  
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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.  
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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.  
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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.  
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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, İspanya, 1 - 05 Temmuz 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, İspanya, 2 - 05 Temmuz 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.  
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112. **SIMULTANEOUS ELECTROCHEMICAL ESTIMATION OF FAMILODIPINE BESYLATE AND TELMISARTAN IN PHARMACEUTICAL DOSAGE FORM**  
ÖZKAN S. A., KARTAL F., KARADAŞ BAKIRHAN N.  
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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.  
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114. **Electrochemical Behavior of Dienogest in Aqueous Solutions**  
ÇELİK M. Ş., ÇELİK H., Isık S., KARADAŞ BAKIRHAN N., USLU B., ÖZKAN S. A.  
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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.  
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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.  
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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 Mart 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, Gürcistan, 28 - 29 Kasım 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, Çin, 13 - 16 Kasım 2016
120. **The Role of HILIC Separation for the simultaneous determination of some antivirals**  
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121. **ANTIPROLIFERATIVE POTENTIAL OF NANOPARTICLE BASED DELIVERY SYSTEM OF FULVESTRANT ON MCF 7 HUMAN BREAST CANCER CELLS**  
HASÇİÇEK C., ŞENGEL TÜRK C. T., BAKAR F., EVCİMEN N., GÜMÜŞTAŞ M., ÖZKAN S. A., SAVAŞER A., ÖZKAN Y.  
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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.

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123. **From Mercury to Nanosensors The Journey of Electrochemistry on Pharmaceutical and Biomedical Analysis**  
ÖZKAN S. A.  
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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 Ekim 2016
125. **A new sensitive electrochemical method for simultaneous determination of amlodipine and telmisartan drug**  
Kartal F., KARADAŞ BAKIRHAN N., ÖZKAN S. A.  
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126. **Adsorptive stripping determination of Ezetimibe in pharmaceutical dosage forms and biological fluids**  
KARADURMUS L., KURBANOĞLU S., USLU B., ÖZKAN S. A.  
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127. **Catechol determination using a novel electrochemical nanobiosensor**  
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128. **Diffusion Adsorption and Electrode Kinetics of Electro Oxidations on a Stationary Solid Electrode**  
ÖZKAN S. A., BOZAL PALABIYIK B., KURBANOĞLU S., USLU B.  
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129. **Electrochemical Determination of Rosuvastatin**  
KARADURMUŞ L., KURBANOĞLU S., USLU B., ÖZKAN S. A.  
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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.  
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131. **Simultaneous Estimation of Irbesartan and Hydrochlorothiazide in Their Binary Mixture by HPLC and UPLC**  
GÜMÜŞTAŞ M., ÖZGÜR D., ÖZKAN S. A.  
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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.  
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133. **Applications of Carbon Based Electrode for Voltammetric Determination of Tenofovir in Pharmaceutical Dosage Forms**  
Özçelikay G., DOĞAN TOPAL B., ÖZKAN S. A.  
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134. **Voltammetric Oxidation and Determination of Imatinib in Spiked Human Urine Samples**  
USLU B., ÖZKAN S. A., Brycht M., Kaczmarek K., Skrzypek S.  
10th Aegean Analytical Chemistry Days, Çanakkale, Türkiye, 29 Eylül - 02 Ekim 2016
135. **Separation of Enantiomers of Butoxamine Using Polysaccharide Based Chiral Columns with Emphasis on Enantiomer Elution Order**  
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136. **Applications of Carbon Based Electrode for Voltammetric Determination of Tenofovir in Pharmaceutical Dosage Form**

- Özçelikay G., DOĞAN TOPAL B., ÖZKAN S. A.  
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137. **A novel Enzymatic Biosensor for the Detection of Catechol**  
KURBANOĞLU S., Rivas L., ÖZKAN S. A., Merkoçi A.  
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138. **FROM MERCURY TO NANOSENSORS**  
ÖZKAN S. A.  
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139. **ELECTROCHEMICAL DETERMINATION OF ROSUVASTATIN AND EZETIMIBE FROM HUMAN SERUM AND URINE**  
KARADURMUŞ L., KURBANOĞLU S., USLU B., ÖZKAN S. A.  
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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.  
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141. **A dual electrochemical nanobiosensor for the inhibition based detection of captopril and catechol**  
KURBANOĞLU S., Rivas L., ÖZKAN S. A., Merkoçi A.  
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142. **Tenofovir'in farmasötik dozaj şekillerinden analizi için UV sspektrofotometrik yöntem geliştirilmesi**  
İşbilir İ., GÜMÜŞTAŞ M., USLU B., ÖZKAN S. A.  
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143. **Entekapon'un farmasötik dozaj formundan UV spektrofotometrik tayini**  
memiş h., GÜMÜŞTAŞ M., USLU B., ÖZKAN S. A.  
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144. **Valgansiklovir'in UV spektrofotometrik yöntemle analizi ve validasyonu**  
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8. Ulusal Analitik Kimya Kongresi, Türkiye, 30 Mayıs - 03 Haziran 2016
145. **Elektroaktif pili (akridin turuncusu) polimer filmlerinin elektrokimyasal sentezi, karakterizasyonu ve sensor uygulamaları**  
KUL D., DOĞAN TOPAL B., ÖZKAN S. A., USLU B.  
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146. **Oseltamivir'in farmasötik dozaj şekillerinden tayininde core-shell parçacıkların etkisi**  
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147. **Dutasterit ve Tamsulosin'in eş zamanlı kromatografik analizi**  
Barut B. B., GÜMÜŞTAŞ M., ÖZKAN S. A., USLU B.  
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148. **Anti-lipemik rosuvastatin 'in elektrokimyasal tayini**  
KARADURMUŞ L., KURBANOĞLU S., USLU B., ÖZKAN S. A.  
8. Ulusal Analitik Kimya Kongresi, Türkiye, 30 Mayıs - 03 Haziran 2016
149. **Entakapon'un Farmasötik Dozaj Formundan UVSpektrofotometrik Tayini**  
Boğaç Buğra B., Gümüştas A., GÜMÜŞTAŞ M., USLU B., ÖZKAN S. A.  
8. Ulusal Analitik Kimya Kongresi, Isparta, Türkiye, 30 Mayıs - 02 Haziran 2016
150. **Ritodrin Enantiyomerlerinin Ayrımı için Ypsk Yöntemi Geliştirilmesi**  
Boğaç Buğra B., Gümüştas A., GÜMÜŞTAŞ M., USLU B., ÖZKAN S. A.  
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151. **İrbesartan ve Hidroklorotiyazidin Ypsk ve Upsk ile Eş Zamanlı Analizi**  
Boğaç Buğra B., Gümüştas A., GÜMÜŞTAŞ M., USLU B., ÖZKAN S. A.  
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152. **Tenofovirin Farmasötik Dozaj Şeklinden Analizi için UVSpektrofotometrik Yöntem Geliştirilmesi**

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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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154. **Nanomaterials based biosensors operating through inhibition inducing biochemical reactions for drug analysis safety and security applications**  
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155. **The importance of electroanalytical method validation in drug analysis**  
ÖZKAN S. A.  
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156. **Chromatographic investigation and simultaneous determination of some antiviral pharmaceuticals from biological samples**  
GÜMÜŞTAŞ M., ÇAĞLAYAN M. G., ÖZKAN S. A.  
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157. **The effect of core shell particles on chromatographic determination and optimization of dutasteride and tamsulosin**  
USLU B., GÜMÜŞTAŞ A., GÜMÜŞTAŞ M., BARUT B. B., ÖZKAN S. A.  
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158. **A novel RP LC method for the simultaneous determination of two combined tablet form of amlodipine**  
ÖZKAN C. K., KURBANOĞLU S., EŞİM Ö., SAVAŞER A., ÖZKAN S. A., ÖZKAN Y.  
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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**  
ÖZKAN S. A., KÖSE ÖZKAN C., ESİM Ö., KURBANOĞLU S., SAVAŞER A., ÖZKAN Y., USLU B.  
43rd International Symposium of High Performance Liquid Phase Separations and Related Technologies, 21 - 25 Eylül 2015
160. **6 Thioguanine And Its Metabolites Determination By Liquid Chromatography With Pulsed Electrochemical Detection At Silver Electrode In Urine**  
KARADAŞ BAKIRHAN N., SARAĞBI A., VANDEPUT M., ÖZKAN S. A., KAUFFMANN J. M.  
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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**  
KURBANOĞLU S., EŞİM Ö., KÖSE ÖZKAN C., SAVAŞER A., ÖZKAN Y., ÖZKAN S. A.  
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162. **Optimization of sensitive and selective RP LC method for the determination of etofenamate from rat skin**  
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163. **İlaç analizlerinde validasyonun önemi**  
ÖZKAN S. A.  
27. Ulusal Kimya Kongresi, Türkiye, 23 - 28 Ağustos 2015
164. **Voltametri UV ve florimetrik spektroskopi yöntemleri ile lapatinib dsDNA etkileşim mekanizmasının aydınlatılması**  
DOĞAN TOPAL B., BOZAL PALABIYIK B., ÖZKAN S. A., USLU B.  
27. Ulusal Kimya Kongresi, Çanakkale, Türkiye, 23 - 28 Ağustos 2015
165. **Dienogest Etkin Maddesinin Elektrokimyasal Davranışının İncelenmesi Ve Modifiye Elektrodun Elektrokimyasal İmpedans Yöntemiyle Karakterizasyonu**

- KARADAŞ BAKIRHAN N., ÇELİK H., USLU B., ÖZKAN S. A.  
27. Ulusal Kimya Kongresi, Türkiye, 23 - 28 Ağustos 2015
166. **Uv ve Florimetrik Spektroskopi Yöntemleri İle Lapatinip Dsdna Etkileşim Mekanizmasının Aydınlatılması**  
DOĞAN TOPAL B., BOZAL PALABIYIK B., ÖZKAN S. A., USLU B.  
27. Ulusal Kimya Kongresi, Türkiye, 23 - 28 Ağustos 2015
167. **Determination of emtricitabine rilpivirine and tenofovir from biological samples with using LC and CE methods**  
GÜMÜŞTAŞ M., ÇAĞLAYAN M. G., ONUR F., ÖZKAN S. A.  
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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**  
GÜMÜŞTAŞ M., USLU B., ÖZKAN S. A.  
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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**  
ÖZKAN S. A.  
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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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174. **Simultaneous Determination of Atorvastatin and Amlodipin in Pharmaceutical and Application on Drug Dissolution Studies for Kinetic Parameters**  
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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 EZETIMIBE 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**  
Kose Ozkan C., Esim O., KURBANOĞLU S., Savaser A., ÖZKAN S. A., Ozkan Y.  
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179. **Investigation Of An Anticancer Drug Sorafenib Redox Behavior At Different Electrodes And Electrochemical Impedance Behavior Of The Developed Sensor**  
KARADAŞ BAKIRHAN N., PATRIS S., ÖZKAN S. A., KAUFFMANN J. M.  
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180. **Development of a capillary electrophoresis method for the determination of emtricitabine rilpivirine and tenofovir from biological samples**  
GÜMÜŞTAŞ M., ÇAĞLAYAN M. G., ONUR F., ÖZKAN S. A.  
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181. **Design of a electrochemical nanobiosensor for the determination of catechol**  
KURBANOĞLU S., MAYORGA MARTINEZ C. C., MEDINA SANCHEZ M., RIVAS L., ÖZKAN S. A., MERKOÇİ A.  
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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**  
GÜMÜŞTAŞ M., ÖZKAN S. A., CHANKVETADZE B.  
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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, Türkiye, 8 - 10 Nisan 2015
187. **Fulvestrantin 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.  
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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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15. Ulusal Kromatografi Kongresi, Uşak, Türkiye, 8 - 10 Nisan 2015
191. **Antihipertansif İlaçların Kromatografik Yöntemlerle Analizinde Son Gelişmeler**  
YAKAR C., BOZAL PALABIYIK B., DOĞAN TOPAL B., ÖZKAN S. A., USLU B.  
15. Ulusal Kromatografi Kongresi, Türkiye, 8 - 10 Nisan 2015
192. **Fulvestrant in Ters Faz Sıvı Kromatografik Yöntemle Biyolojik Sıvılar ve Polimerik Bazlı Nanopartiküllerden Analizi**  
GÜMÜŞTAŞ M., ŞENGEL TÜRK C. T., HASÇİÇEK C., ÖZKAN S. A., BAKAR F., EVCİMEN N., savaşer a., ÖZKAN Y.  
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193. **Hastane Enfeksiyonu Etkeni Pseudomonas Aeruginosa Suş larında Biyosü尔夫aktan Üretimi**

- KAŞKATEPE B., YILDIZ S., GÜMÜŞTAŞ M., ÖZKAN S. A.  
36. Türk Mikrobiyoloji Kongresi, Türkiye, 12 - 16 Kasım 2014
194. **Electrochemical Nanobiosensor for the dual catalytic/Inhibition based biosensing of methimazole and catechol**  
KURBANOĞLU S., C Mayorga Martinez C., Medina M., Rivas L., ÖZKAN S. A., Merkoçi A.  
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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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2 nd International Conference on Analytical Chemistry RO-ICAC 2014, Targovishte, Bulgaristan, 17 - 21 Eylül 2014
198. **Fabrication Of Fulvestrant Loaded Modified Released Nanoparticles: Effect Of Copolymer Molecular Weight On Particle Characteristics**  
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199. **Electrochemical nanobiosensors for the dual catalytic/inhibition based biosensing of methimazole and catechol**  
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200. **A Comperative Determination Study Of Repaglinide By Hplc, Uplc And Electrochemical Methods.**  
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201. **Comperative Study Fort He Determination Of Gemifloxacin By Hplc And Microbiological Methods From Pharmaceutical Preparations And Biological Samples.**  
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202. **The value of analytical method validation in pharmaceutical analysis**  
ÖZKAN S. A.  
2nd International Conference on Analytical Chemistry, 16 - 22 Eylül 2014
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.  
Malmö, Sweden, 11 Haziran - 15 Eylül 2014
204. **Fulvestrant Loaded Plga Nanoparticles: Influence Of Polymer Copolymer Composition On In-Vitro Properties And Anti-Proliferative Potencies Against MCF-7 Breast Cancer Cells**  
HASÇİÇEK C., ŞENGEL TÜRK C. T., BAKAR F., EVCİMEN N., GÜMÜŞTAŞ M., ÖZKAN S. A.  
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205. **Iridyum Oksit ve Tirozinaz Enzimi ile Fonksiyonlandırılmış Manyetik Nanopartikül Bazlı Elektrokimyasal Nanobiyosensör Tasarımı**  
KURBANOĞLU S., C Mayorga Martinez C., Medina M., Rivas L., ÖZKAN S. A., Merkoçi A.  
7. Ulusal Analitik Kimya Kongresi, Türkiye, 1 - 05 Eylül 2014
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**

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208. **Voltammetric behavior and determination of antidepressant drug paroxetine at carbon based electrodes**  
MARIOLA B., SLAWOMIRA S., KARADAŞ N., SYLWIA S., BOZAL PALABIYIK B., ÖZKAN S. A., USLU B.  
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209. **Iridyum Oksit ve Tirosinaz Enzimi ile Fonksiyonlandırılmış Manyetik Nanopartikül Bazlı Elektrokimyasal Nanobiyosensör Tasarımı**  
KURBANOĞLU S., CARMEN M. M., MARINA M., RIVAS L., ÖZKAN S. A.  
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210. **Electrochemical DNA Biosensor for Antidepressant Drug Aripiprazole**  
KURBANOĞLU S., DOĞAN TOPAL B., LENKA H., JAN L., ÖZKAN S. A., USLU B.  
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## Bilimsel Kuruluşlardaki Üyelikler / Görevler

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

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## Bilimsel Hakemlikler

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## Bilimsel Danışmanlıklar

Türkiye İlaç ve Tıbbi Cihaz Kurumu, Kurum veya Organizasyonlar İçin Yapılan Danışmanlık, Ankara Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, Türkiye, 2020 - Devam Ediyor

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Yayın: 916  
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H-İndeks (Scopus): 51

## Davetli Konuşmalar

Validasyon: Elektroanalitik Analizlerdeki Yeri ve İlgili Parametreleri, Seminer, METROHM, Türkiye, Nisan 2022

## Araştırma Alanları

Sağlık Bilimleri, Temel Bilimler