



SİBEL AYŞIL ÖZKAN

PROF. DR.

E-posta : ozkan@pharmacy.ankara.edu.tr

Diğer E-posta : sibelayzil@gmail.com

Cep Telefonu : [+90 533 818 3635](tel:+905338183635)

İş Telefonu : [+90 312 223 8243](tel:+903122238243)

Fax Telefonu : [+90 312 213 1081](tel:+903122131081)

Uluslararası Araştırmacı ID'leri

ScholarID: Ti6eQcUAAAAJ

ORCID: 0000-0001-7494-3077

Publons / Web Of Science ResearcherID: P-1743-2019

ScopusID: 7102661492

Yoksis Araştırmacı ID: 6964



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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4. Özkan S. A., Nazır H., Sezgintürk M. K., Arı F., Ünal M. A., Güneş Altuntaş E., Yükseköğretim Kurumları Destekli Proje, Aflatoksin Analizinde Biyosensör Temelli Analiz Yöntemi Araştırması, 2023 - 2025
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Jüri Üyelikleri

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3. **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.
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8. **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**
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9. **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.
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10. **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.
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11. **Ultrasensitive electrochemical immunosensor system for determination of autologous SOX2 antibody**
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12. **Investigation of Health Effects of Major Phenolic Compounds in Foods: Extraction Processes, Analytical Approaches and Applications**
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Aydogdu Ozdogan N., Demir E., ÖZKAN S. A.
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14. **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.
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15. **Electrochemical Determination of Anti-Cancer Drug Pazopanib with High Selectivity and Sensitivity Using Molecularly Imprinted Polymer-Modified Glassy Carbon Electrode**
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16. **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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18. **Biosensors for stem cell-based applications: Current trends and future prospects**
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19. **Recent trends in sensors and diagnostics**
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20. **A collection of the best practice examples of electroanalytical applications in education: from polarography to sensors**
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21. **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.
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22. **Early cancer detection based on exosome biosensors in biological samples**

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23. **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.
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26. **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, cilt.170, 2024 (SCI-Expanded)
27. **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)
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29. **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**
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31. **A novel electrochemical approach to biosensing applications: Quartz tuning forks as working electrodes for immunosensors**
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34. **Designing an electrochemical sensor based on ZnO nanoparticle-supported molecularly imprinted polymer for ultra-sensitive and selective detection of sorafenib**
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35. **An overview of the current progress in green analytical chemistry by evaluating recent studies using greenness assessment tools**
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Karadurmus L., Atici E. B., Özkan S. A.
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 39. **Evaluation of electrochemical behavior combined with the sensitive and selective determination of ceftriaxone using molecularly imprinted polymer-based sensor**
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 40. **Biomarkers in exhaled breath condensate as fingerprints of asthma, chronic obstructive pulmonary disease and asthma-chronic obstructive pulmonary disease overlap: a critical review**
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 41. **Comparative MIP sensor technique: photopolymerization or thermal polymerization for the sensitive determination of anticancer drug Regorafenib in different matrixes**
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 46. **Designing of ZnO nanoparticles oriented interface imprinted electrochemical sensor for fluoxetine detection**
Emin Çorman M., Cetinkaya A., Armutcu C., UZUN L., ÖZKAN S. A.
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52. **SnO₂ nanoparticles/waste masks carbon hybrid materials for DNA biosensor application on voltammetric detection of anti-cancer drug pazopanib**
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55. **Elucidation of DNA-Eltrombopag Binding: Electrochemical, Spectroscopic and Molecular Docking Techniques**
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MESYLATE SUBLING FILMS

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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.

12th International Symposium on Pharmaceutical Sciences (ISOPS'12), 26 - 29 Haziran 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.

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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.

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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

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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.

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77. Electrochemical DNA Biosensor for The Interaction of Doxorubicin with DNA

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8th Black Sea Basin Conference on Analytical Chemistry, 9 - 11 Mayıs 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.

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79. Enantioseparation of novel chiral pyrazolines in HPLC by using methanol as a mobile phase

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80. **Simultaneous Estimation of Olmesartan, Amlodipine, and Hydrochlorothiazide in Their Ternary Mixture by HPLC**
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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**
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82. **Molecularly Imprinted Electrochemical Sensor for determination of lipopeptide antibiotic drug Daptomycin**
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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.
Gastronomi Zirvesi, Ankara, Türkiye, 22 - 25 Mart 2018
84. **LAKTİK ASİT BAKTERİLERİNİN ANTİMİKROBİYAL AKTİVİTELERİ VELAKTİK ASİT ÜRETİM DÜZEYLERİ**
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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**
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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**
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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**
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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**
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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 MULTIWALLED 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 progesterin dienogest and its sensitive analysis from pharmaceutical dosage form**
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97. **Acidity Constants of Cefprozil, 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.
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99. **Nanoparticle Effect on Interaction of Epirubicin with DNA**
KARADURMUŞ L., KURBANOĞLU S., Shah A., ÖZKAN S. A.
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100. **Tyrosinase Immobilization In Multi Walled Carbon Nanotube And Gold Nanowires Matrice For Catechol Detection**
KURBANOĞLU S., ÖZKAN S. A.
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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 β -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**
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106. **Simultaneous Determination of Perindopril, Indapamide and Amlodipine Ternary Mixtures Using Ratio Derivative Spectrophotometric Method**
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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.
27th 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 FLOPIDIPINE 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**
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114. **Electrochemical Behavior of Dienogest in Aqueous Solutions**
ÇELİK M. Ş., ÇELİK H., İSİK 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**
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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**
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118. **Separation of enantiomers of some beta-agonists by using polysaccharide-based chiral columns**
GÜMÜŞTAŞ M., ÖZKAN S. A., CHANKVETADZE B.
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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.

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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**
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122. **Enantiometric Separation of Beta Adrenergic Agonists by HPLC with polysaccharide based chiral columns using various mobile phases**
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123. **From Mercury to Nanosensors The Journey of Electrochemistry on Pharmaceutical and Biomedical Analysis**
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124. **A novel electroanalytical nanosensor based on AgNPs nanoparticles for determination of antiviral drug tenofovir**
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125. **A new sensitive electrochemical method for simultaneous determination of amlodipine and telmisartan drug**
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126. **Adsorptive stripping determination of Ezetimibe in pharmaceutical dosage forms and biological fluids**
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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**
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130. **Electrochemical Glucose Biosensing via New Generation Conducting Polymers Gold Nanoparticles Glucose Oxidase Modified Electrodes**
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131. **Simultaneous Estimation of Irbesartan and Hydrochlorothiazide in Their Binary Mixture by HPLC and UPLC**
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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**

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134. **Voltammetric Oxidation and Determination of Imatinib in Spiked Human Urine Samples**
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135. **Separation of Enantiomers of Butoxamine Using Polysaccharide Based Chiral Columns with Emphasis on Enantiomer Elution Order**
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137. **A novel Enzymatic Biosensor for the Detection of Catechol**
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138. **FROM MERCURY TO NANOSENSORS**
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139. **ELECTROCHEMICAL DETERMINATION OF ROSUVASTATIN AND EZETIMIBE FROM HUMAN SERUM AND URINE**
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140. **DETERMINATION OF DIHYDROERGOTAMINE VIA LC METHOD COUPLED WITH FLUORESCENCE DETECTION IN PHARMACEUTICAL FILM PREPARATIONS**
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141. **A dual electrochemical nanobiosensor for the inhibition based detection of captopril and catechol**
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142. **Tenofovir'in farmasötik dozaj şekillerinden analizi için UV sspektrofotometrik yöntem geliştirilmesi**
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143. **Entekapon'un farmasötik dozaj formundan UV spektrofotometrik tayini**
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144. **Valgansiklovir'in UV spektrofotometrik yöntemle analizi ve validasyonu**
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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**
Barut B. B., GÜMÜŞTAŞ M., ÖZKAN S. A., USLU B.
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148. **Anti-lipemik rosuvastatin 'in elektrokimyasal tayini**
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149. **Entakapon'un Farmasötik Dozaj Formundan UVSpektrofotometrik Tayini**
Boğaç Buğra B., Gümüştaş A., GÜMÜŞTAŞ M., USLU B., ÖZKAN S. A.
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150. **Ritodrin Enantiyomerlerinin Ayrımı için Ypsk YöntemiGeliştirilmesi**
Boğaç Buğra B., Gümüştaş A., GÜMÜŞTAŞ M., USLU B., ÖZKAN S. A.
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151. **İrbesartan ve Hidroklorotiyazidin Ypsk ve Upsk ile Eş ZamanlıAnalizi**
Boğaç Buğra B., Gümüştaş A., GÜMÜŞTAŞ M., USLU B., ÖZKAN S. A.
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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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| 2012 - 2019 | Rektör Yardımcısı | Ankara Üniversitesi |
| 2007 - 2012 | Bölüm Başkan Yardımcısı | Ankara Üniversitesi |

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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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