

## Assoc. Prof. MEHMET GÜMÜŞTAŞ



### Personal Information

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### International Researcher IDs

ScholarID: [yTsZj6kAAAAJ](https://orcid.org/0000-0003-2793-7154)

ORCID: 0000-0003-2793-7154

Publons / Web Of Science ResearcherID: B-7296-2012

ScopusID: 35867219300

Yoksis Researcher ID: 108266

### Education Information

Doctorate, Ankara University, Sağlık Bilimleri Enstitüsü, Analitik Kimya (Dr), Turkey 2010 - 2016

Postgraduate, Ankara University, Sağlık Bilimleri Enstitüsü, Analitik Kimya (YI) (Tezli), Turkey 2008 - 2010

Undergraduate, Suleyman Demirel University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 2004 - 2008

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Beta agonist ilaç etken maddelerin kiral davranışlarının incelenmesi, Ankara University, Sağlık Bilimleri Enstitüsü, Analitik Kimya (Dr), 2016

Postgraduate, Anjiyotensin dönüştürücü enzim inhibitörü ve kalsiyum kanal blokörü kombinasyonu ilaçların yüksek performanslı sıvı kromatografi yöntemi ile aynı anda analizi, Ankara University, Sağlık Bilimleri Enstitüsü, Analitik Kimya (YI) (Tezli), 2009

### Research Areas

Health Sciences, Pharmacology and Therapeutics, Basic Pharmaceutics Sciences, Analytical Chemistry, Chemistry, Analytical Chemistry, Natural Sciences

## Academic Titles / Tasks

Associate Professor, Ankara University, Adli Bilimler Enstitüsü, Adli Toksikoloji Anabilim Dalı, 2021 - Continues  
Assistant Professor, Ankara University, Adli Bilimler Enstitüsü, Adli Toksikoloji Anabilim Dalı, 2018 - 2021  
Expert, Ankara University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2017 - 2018  
Research Assistant, Hitit University, Faculty Of Arts And Sciences, Department Of Chemistry, 2009 - 2017

## Academic and Administrative Experience

Academic Council Member of Department, Ankara University, Adli Bilimler Enstitüsü, Adli Toksikoloji Anabilim Dalı, 2024 - Continues  
Performance Evaluation Commission Member, Ankara University, Adli Bilimler Enstitüsü, Adli Toksikoloji Anabilim Dalı, 2023 - Continues  
Internship Coordinator, Ankara University, Adli Bilimler Enstitüsü, Adli Toksikoloji Anabilim Dalı, 2022 - Continues  
Department Academic Incentive Evaluation Commission Member, Ankara University, Adli Bilimler Enstitüsü, Adli Toksikoloji Anabilim Dalı, 2019 - Continues

## Courses

### Doctorate

Adli Bilimlerde İleri Yöntemler, Doctorate, 2018 - 2019  
Adli Kimya Uygulama, Doctorate, 2018 - 2019  
Doping Analizleri, Doctorate, 2018 - 2019  
Adli Toksikoloji (Uygulama), Doctorate, 2018 - 2019

### Postgraduate

Sporda Doping, Postgraduate, 2018 - 2019  
Adli Toksikolojide Enstrümental Analiz, Postgraduate, 2018 - 2019  
Narkotikleri ve Analizleri (Uygulama), Postgraduate, 2018 - 2019  
Adli Bilimlerde Kromatografik Yöntemler (Uygulama), Postgraduate, 2018 - 2019  
Narkotikler ve Analizleri (Uygulama), Postgraduate, 2018 - 2019  
Adli Toksikoloji I (Uygulama), Postgraduate, 2018 - 2019  
Adli Kimya, Postgraduate, 2018 - 2019  
Adli Toksikolojide Enstrümental Analiz (Uygulama), Postgraduate, 2018 - 2019

## Supervised Theses

Gümüştaş M., Developing a chromatographic method for the analysis flumethrin causing prethyroid toxicity, Postgraduate, N.KOÇAK(Student), 2024  
Gümüştaş M., Development of a method for the analysis of alcohol-based hand sanitizers and legal evaluation of their alcohol content within the scope of legislations, Postgraduate, E.TOSUNOĞLU(Student), 2023  
Gümüştaş M., New perspectives for the determination of naltrexone and its metabolite used in the treatment of addiction for new generation opioids, Postgraduate, C.HACER(Student), 2023  
Gümüştaş M., Development of innovative approaches for analysis of buprenorphine/naloxone combination used in opiate addiction treatment, Postgraduate, E.PINAR(Student), 2023  
Gümüştaş M., Development of electrochemical sensor for the determination of paracetamol, Postgraduate, D.PAULINA(Student), 2020

## Jury Memberships

Post Graduate, Post Graduate, Hacettepe Üniversitesi, January, 2025

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, January, 2025  
Doctorate, Doctorate, Ankara Üniversitesi, April, 2024  
Doctorate, Doctorate, Ankara Üniversitesi, April, 2024  
Post Graduate, Post Graduate, Hitit Üniversitesi, January, 2024  
Doctoral Examination, Doctoral Examination, Ankara Üniversitesi, June, 2023  
Post Graduate, Post Graduate, Ankara Üniversitesi, June, 2023  
Post Graduate, Post Graduate, Ankara Üniversitesi, June, 2023  
Doctorate, Doctorate, Ankara Üniversitesi, July, 2022  
Doctorate, Doctorate, Ankara Üniversitesi, July, 2022  
Doctorate, Doctorate, Ankara Üniversitesi, July, 2022  
Doctorate, Doctorate, Ankara Üniversitesi, July, 2022  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, June, 2022  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, June, 2022  
Post Graduate, Post Graduate, Hitit Üniversitesi, June, 2022  
Post Graduate, Post Graduate, Hitit Üniversitesi, May, 2022  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, February, 2022  
Doctoral Examination, Doctoral Examination, Ankara Üniversitesi, February, 2022  
Doctorate, Doctorate, Ankara Üniversitesi, December, 2021  
Doctoral Examination, Doctoral Examination, Gebze Teknik Üniversitesi, January, 2021

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

- I. **Development of a Sample Preparation and Analysis Method for Therapeutic Monitoring of Diazepam and Major Metabolite in Alcohol Withdrawal Syndrome Treatment**  
Tok K. C., Ozkan-Kotiloglu S., Bozmaoglu C. H., Danışman M., İlhan İ., Akyüzlü D., Süzen H. S., Gümüştas M.  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, pp.1-8, 2025 (SCI-Expanded)
- II. **The effects of *UGT1A4* and *ABCB1* polymorphisms on clozapine and Ndesmethyl clozapine plasma levels in Turkish schizophrenia patients**  
Ozdemir F., Oz M. D., Tok K. C., Dural E., Kir Y., Gumustas M., Baskak B., Suzen H. S.  
TOXICOLOGY AND APPLIED PHARMACOLOGY, vol.495, 2025 (SCI-Expanded)
- III. **A new strategy for enhancing S-Adenosyl-L-Methionine (SAME) oral bioavailability: Preparation of SAME loaded inulin nanoparticles for colon targeting with in vivo validation**  
Ergin A. D., Bayindir Z. S., Gumustas M., Ozcelikay A. T., Yuksel N.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.289, pp.138818-138819, 2025 (SCI-Expanded)
- IV. **Development of flexible nicotine sensors by inkjet printing of heteroatom-doped 3D V<sub>2</sub>C MXene nanoflower/holey carbon nanotube-based inks**  
Gurbuz H. N., Tok K. C., Gümüştas M., Cagil E. M., Ipekci H. H., Uzunoğlu A.  
FLATCHEM, vol.49, 2025 (SCI-Expanded)
- V. **A Novel Bioprotective Strain of *Lactiplantibacillus plantarum* F2-Physiological, Genetical, and Antimicrobial Characterization**  
Altuntaş E., Celik A. A., Sevim B., Tok K. C., Gümüştas M., Mergen H., Juneja V. K.  
FOODBORNE PATHOGENS AND DISEASE, 2024 (SCI-Expanded)
- VI. **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)
- VII. **Assessment of Genetic and Lifestyle Factors on Clozapine and N-desmethylclozapine Plasma Levels in Schizophrenia Patients**

Demirbüğen Öz M., Özdemir F., Tok K. C., Dural E., Kir Y., Ulusoy M., Gümüştas M., Baskak B., Süzen H. S. PHARMACOPSYCHIATRY CLINICAL PHARMACOLOGY, PSYCHIATRY, PSYCHOLOGY, NEUROPHYSIOLOGY, NEUROBIOLOGY, GERONTOPSYCHIATRY, vol.57, no.2, pp.87, 2024 (SCI-Expanded)

- VIII. **Lactic acid bacteria from fermented products: Antimicrobial activity and metabolite production**  
Çelik A. A., Ayhan K., Tok K. C., Gümüştas M., Güneş Altuntaş E.  
LATIN AMERICAN APPLIED RESEARCH, vol.54, no.4, pp.585-593, 2024 (SCI-Expanded)
- IX. **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)
- X. **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)
- XI. **The Potential Role of <i>POR\*28</i> and <i>CYP1A2\*F</i> Genetic Variations and Lifestyle Factors on Clozapine and N-Desmethylclozapine Plasma Levels in Schizophrenia Patients**  
Demirbüğen Öz M., Ozdemir F., Tok K. C., Dural E., Kir Y., Ulusoy M., Gümüştas M., Baskak B., Süzen H. S.  
EXPERT OPINION ON DRUG METABOLISM & TOXICOLOGY, vol.19, no.5, pp.319-327, 2023 (SCI-Expanded)
- XII. **Separation of the enantiomers of underivatized amino acids by using serially connected dual column high-performance liquid chromatography-tandem mass spectrometry**  
Oztepe T., Kale N. B., Reçber T., Baysal İ., Yabanoğlu Çiftçi S., Gümüştas M., Kir S., Chankvetadze B., Nemutlu E.  
JOURNAL OF CHROMATOGRAPHY A, vol.1683, 2022 (SCI-Expanded)
- XIII. **Probiotic potential and anti-quorum sensing activity of Enterococcus faecalis and Lactobacillus kunkeei isolates from Apis mellifera**  
Kıymacı M., Simsek D., TOK K. C., Dirican D., GÜMÜŞTAŞ M.  
JOURNAL OF THE HELLENIC VETERINARY MEDICAL SOCIETY, vol.73, no.4, pp.4717-4728, 2022 (SCI-Expanded)
- XIV. **Development of salting-out extraction methodology for the determination of piroxicam from polymeric based nanocarriers and biological samples**  
Tok K. C., Gümüştas M., Şengel Türk C. T., Amasya G., Bayram B., Arıoğlu İnan E.  
Journal of Pharmaceutical and Biomedical Analysis, vol.219, 2022 (SCI-Expanded)
- XV. **Investigation of the probiotic and metabolic potential of Fructobacillus tropaeoli and Apilactobacillus kunkeei from apiaries**  
Simsek D., Kıymacı M. E., Tok K. C., Gumustas M., Altanlar N.  
ARCHIVES OF MICROBIOLOGY, vol.204, no.7, 2022 (SCI-Expanded)
- XVI. **Microbial exopolysaccharide production of Streptococcus thermophilus and its anti-quorum sensing activity**  
Karadeniz D. G., Kaşkatepe B., Kıymacı M. E., Tok K. C., Gümüştas M., Karaaslan C.  
ARCHIVES OF MICROBIOLOGY, vol.203, no.6, pp.3331-3339, 2021 (SCI-Expanded)
- XVII. **Disposable electrochemical flow cell with paper-based electrode assemble**  
TORUL H., GÜMÜŞTAŞ M., Urguplu B., UZUNOĞLU A., BOYACI İ. H., ÇELİKKAN H., TAMER U.  
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.891, 2021 (SCI-Expanded)
- XVIII. **The Effect of Enantiomer Elution Order on the Determination of Minor Enantiomeric Impurity in Ketoprofen and Enantiomeric Purity Evaluation of Commercially Available Dexketoprofen Formulations**  
Tok K. C., Gümüştas M., Jibuti G., Süzen H. S., Özkan S. A., Chankvetadze B.  
MOLECULES, vol.25, no.24, 2020 (SCI-Expanded)
- XIX. **A novel stability-indicating analytical method development for simultaneous determination of carboplatin and decitabine from nanoparticles**  
EŞİM Ö., GÜMÜŞTAŞ M., HASÇİÇEK C., ÖZKAN S. A.  
JOURNAL OF SEPARATION SCIENCE, vol.43, no.17, pp.3491-3498, 2020 (SCI-Expanded)
- XX. **In the context of superficially porous silica particles: simultaneous determination of dutasteride and tamsulosin from biological samples**

- Barut B. B., Erkmen C., Gumustas A., GÜMÜŞTAŞ M., Ozkan S. A., USLU B.  
Journal of the Iranian Chemical Society, vol.17, no.6, pp.1457-1465, 2020 (SCI-Expanded)
- XXI. **Modern Assay Techniques for Cancer Drugs: Electroanalytical and Liquid Chromatography Methods**  
KURBANOĞLU S., BAKIRHAN N. K., GÜMÜŞTAŞ M., Ozkan S. A.  
Critical Reviews in Analytical Chemistry, vol.49, no.4, pp.306-323, 2019 (SCI-Expanded)
- XXII. **Step-by-step optimization of the HILIC method for simultaneous determination of abacavir, lamivudine, and zidovudine from dosage form**  
Erkmen C., GÜMÜŞTAŞ M., ÖZKAN S. A., USLU B.  
TURKISH JOURNAL OF CHEMISTRY, vol.43, no.6, pp.1597-1624, 2019 (SCI-Expanded)
- XXIII. **Determination of probiotic abilities and lactic acid content of *Pediococcus acidilactici***  
Kiymaci M. E., GÜMÜŞTAŞ M., ALTANLAR N., Akin A., Zenciroglu A., Ozkan S. A.  
Current Analytical Chemistry, vol.15, no.4, pp.511-521, 2019 (SCI-Expanded)
- XXIV. **The History of the Core-Shell Particles and Applications in Active Pharmaceutical Ingredients Via Liquid Chromatography**  
GÜMÜŞTAŞ M., Zalewski P., ÖZKAN S. A., USLU B.  
CHROMATOGRAPHIA, vol.82, no.1, pp.17-48, 2019 (SCI-Expanded)
- XXV. **Separation of brombuterol enantiomers in capillary electrophoresis with cyclodextrin-type chiral selectors and investigation of structure of selector-selectand complexes using nuclear magnetic resonance spectroscopy**  
Gogolashvili A., Tatunashvili E., Chankvetadze L., Sohajda T., GÜMÜŞTAŞ M., Ozkan S. A., Salgado A., Chankvetadze B.  
Electrophoresis, vol.40, no.15, pp.1904-1912, 2019 (SCI-Expanded)
- XXVI. **Application of cellulose 3,5-dichlorophenylcarbamate covalently immobilized on superficially porous silica for the separation of enantiomers in high-performance liquid chromatography**  
Bezhitashvili L., Bardavelidze A., Mskhiladze A., GÜMÜŞTAŞ M., ÖZKAN S. A., Volonterio A., Farkas T., Chankvetadze B.  
JOURNAL OF CHROMATOGRAPHY A, vol.1571, pp.132-139, 2018 (SCI-Expanded)
- XXVII. **Separation of terbutaline enantiomers in capillary electrophoresis with cyclodextrin-type chiral selectors and investigation of structure of selector-selectand complexes**  
Gogolashvili A., Tatunashvili E., Chankvetadze L., Sohajda T., Szeman J., GÜMÜŞTAŞ M., ÖZKAN S. A., Salgado A., Chankvetadze B.  
JOURNAL OF CHROMATOGRAPHY A, vol.1571, pp.231-239, 2018 (SCI-Expanded)
- XXVIII. **Quorum sensing signals and related virulence inhibition of *Pseudomonas aeruginosa* by a potential probiotic strain's organic acid**  
Kiymaci M. E., ALTANLAR N., GÜMÜŞTAŞ M., ÖZKAN S. A., Akin A.  
MICROBIAL PATHOGENESIS, vol.121, pp.190-197, 2018 (SCI-Expanded)
- XXIX. **Development of stability indicating HPLC method for the separation and validation of enantiomers of miconazole**  
Bounoua N., Sekkoum K., GÜMÜŞTAŞ M., Belboukhari N., ÖZKAN S. A.  
CHIRALITY, vol.30, no.6, pp.807-815, 2018 (SCI-Expanded)
- XXX. **Development of a HILIC method for the determination of 5-fluorouracil from nano drug delivery systems and rat skin extracts**  
AMASYA G., GÜMÜŞTAŞ M., BADILLI F. U., ÖZKAN S. A., Tarimci N.  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.154, pp.285-293, 2018 (SCI-Expanded)
- XXXI. **Simultaneous determination and validation of emtricitabine, rilpivirine and tenofovir from biological samples using LC and CE methods**  
GÜMÜŞTAŞ M., ÇAĞLAYAN M. G., Onur F., ÖZKAN S. A.  
BIOMEDICAL CHROMATOGRAPHY, vol.32, no.4, 2018 (SCI-Expanded)
- XXXII. **Analytical and Preparative Scale Separation of Enantiomers of Chiral Drugs by Chromatography and Related Methods**  
GÜMÜŞTAŞ M., ÖZKAN S. A., Chankvetadze B.  
CURRENT MEDICINAL CHEMISTRY, vol.25, no.33, pp.4152-4188, 2018 (SCI-Expanded)

- XXXIII. **A novel core-shell-based chromatographic method supported by ratio derivative spectrophotometry for the simultaneous determination of perindopril, indapamide, and amlodipine ternary mixtures**  
KARADURMUŞ L., GÜMÜŞTAŞ M., KURBANOĞLU S., USLU B., ÖZKAN S. A.  
TURKISH JOURNAL OF CHEMISTRY, vol.42, no.5, pp.1408-1419, 2018 (SCI-Expanded)
- XXXIV. **Fulvestrant-loaded polymer-based nanoparticles for local drug delivery: Preparation and in vitro characterization**  
Hascicek C., ŞENGEL TÜRK C. T., GÜMÜŞTAŞ M., Ozkan A. S., Bakar F., Das-Evcimen N., Savaser A., Ozkan Y.  
Journal of Drug Delivery Science and Technology, vol.40, pp.73-82, 2017 (SCI-Expanded)
- XXXV. **The Role and the Place of High-Performance Liquid Chromatography for the Determination of Fermented Dairy Products**  
Gümüştas M., Uslu B., Özkan S. A.  
SOFT CHEMISTRY AND FOOD FERMENTATION, vol.3, pp.421-464, 2017 (SCI-Expanded)
- XXXVI. **Optimization of Stability Indicating LC Method for the Sensitive In vitro Determination from Solid Lipid Nanoparticles and Ex vivo Analysis from Rat Skin of Etofenamate**  
Gümüştas M., Şengel Türk C. T., Badıllı F. U., Amasya G., Özkan S. A., Tarımcı N.  
CURRENT PHARMACEUTICAL ANALYSIS, vol.13, no.1, pp.63-71, 2017 (SCI-Expanded)
- XXXVII. **Effect of Polymer-Based Nanoparticles on the Assay of Antimicrobial Drug Delivery Systems**  
Gümüştas M., Şengel Türk C. T., Gumustas A., Ozkan S. A., Uslu B.  
MULTIFUNCTIONAL SYSTEMS FOR COMBINED DELIVERY, BIOSENSING AND DIAGNOSTICS, pp.67-108, 2017 (SCI-Expanded)
- XXXVIII. **Rhamnolipid Production by Pseudomonas putida IBS036 and Pseudomonas pachastrellae LOS20 with Using Pulps**  
Kaşkatepe B., Yildiz S., Gümüştas M., Özkan S. A.  
CURRENT PHARMACEUTICAL ANALYSIS, vol.13, no.2, pp.138-144, 2017 (SCI-Expanded)
- XXXIX. **Separation and elution order of the enantiomers of some beta-agonists using polysaccharide-based chiral columns and normal phase eluents by high-performance liquid chromatography**  
Gümüştas M., Özkan S. A., Chankvetadze B.  
JOURNAL OF CHROMATOGRAPHY A, vol.1467, pp.297-305, 2016 (SCI-Expanded)
- XL. **Determination of antazoline and tetrahydrozoline in ophthalmic solutions by capillary electrophoresis and stability-indicating HPLC methods**  
Gümüştas M., Alshana U., Ertas N., Günden Göğçer N., Özkan S. A., Uslu B.  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.124, pp.390-398, 2016 (SCI-Expanded)
- XLI. **A selective and sensitive stability-Indicating HPLC method for the validated assay of etoposide from commercial dosage form and polymeric tubular nanocarriers**  
Algan A. H., Gümüştas M., Karatas A., Özkan S. A.  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.124, pp.382-389, 2016 (SCI-Expanded)
- XLII. **Comparison of seeds of Colchicum speciosum and Gloriosa superba in respect to colchicine and colchicoside contents by RP-LC**  
Gümüştas M., Polat D., Kılıç C. S., Akalin K., Özkan S. A., Coskun M.  
Natural Product Communications, vol.11, no.3, pp.397-400, 2016 (SCI-Expanded)
- XLIII. **Simultaneous determination of amlodipine besylate and rosuvastatin calcium in binary mixtures by voltammetric and chromatographic techniques**  
Karadas-Bakırhan N., Gümüştas M., Uslu B., Özkan S. A.  
IONICS, vol.22, no.2, pp.277-288, 2016 (SCI-Expanded)
- XLIV. **Biosurfactant production by Pseudomonas aeruginosa in kefir and fish meal**  
Kaşkatepe B., Yildiz S., Gümüştas M., Özkan S. A.  
BRAZILIAN JOURNAL OF MICROBIOLOGY, vol.46, no.3, pp.855-859, 2015 (SCI-Expanded)
- XLV. **SELECTIVE AND SENSITIVE DETERMINATION OF REPAGLINIDE IN PHARMACEUTICALS BY VOLTAMMETRIC AND LC METHODS**  
Gümüştas M., Coskun G., Özkan S. A.  
REVUE ROUMAINE DE CHIMIE, vol.60, no.5-6, pp.477-490, 2015 (SCI-Expanded)

- XLVI. INVESTIGATION OF VOLTAMMETRIC BEHAVIOR AND ELECTROANALYTICAL DETERMINATION OF ANTICANCER EPIRUBICIN VIA GLASSY CARBON ELECTRODE USING DIFFERENTIAL PULSE AND SQUARE WAVE VOLTAMMETRY TECHNIQUES**  
Kurbanoglu S., Bozal Palabiyik B., Gumushtas M., Uslu B., Ozkan S. A.  
REVUE ROUMAINE DE CHIMIE, vol.60, no.5-6, pp.491-499, 2015 (SCI-Expanded)
- XLVII. QUANTITATIVE DETERMINATION OF ISOCONAZOLE NITRATE AND DIFLUCORTOLONE VALERATE IN PHARMACEUTICAL CREAMS BY UPLC, HPLC AND IMPROVED DERIVATIVE UV SPECTROPHOTOMETRY**  
Ozen G., Gumushtas M., Satana Kara H. E., Gunden Gogher N., Uslu B., Ozkan S. A.  
REVUE ROUMAINE DE CHIMIE, vol.60, no.5-6, pp.527-535, 2015 (SCI-Expanded)
- XLVIII. Comparative Study for the Determination of Gemifloxacin by HPLC and Microbiological Methods from Pharmaceutical Preparations and Biological Samples**  
Kiymaci M. E., Gumustas A., Gumushtas M., Akin A., Ozkan S. A.  
CURRENT PHARMACEUTICAL ANALYSIS, vol.11, no.3, pp.193-200, 2015 (SCI-Expanded)
- XLIX. Validated Stability-Indicating HPLC and UPLC Assay Methods for the Determination of Entacapone in Pharmaceutical Dosage Forms**  
Gumushtas M., Uslu B., Ozkan S. A., Aboul-Enein H. Y.  
CHROMATOGRAPHIA, vol.77, no.23-24, pp.1721-1726, 2014 (SCI-Expanded)
- L. Dynamic computer simulation of electrophoretic enantiomer migration order and separation in presence of a neutral cyclodextrin**  
Thormann W., Chankvetadze L., Gumushtas M., Chankvetadze B.  
ELECTROPHORESIS, vol.35, no.19, pp.2833-2841, 2014 (SCI-Expanded)
- LI. Simultaneous determination and validation of some binary mixtures of antihypertensive drugs using ratio derivative spectrophotometric method**  
Kurbanoglu S., Gumushtas M., Ozkan S. A.  
JOURNAL OF ANALYTICAL CHEMISTRY, vol.69, no.10, pp.935-941, 2014 (SCI-Expanded)
- LII. Optimization of a validated stability-indicating RP-LC method for the determination of fulvestrant from polymeric based nanoparticle systems, drugs and biological samples**  
Gumushtas M., Sengel Turk C. T., Hasçicek C., Ozkan S. A.  
BIOMEDICAL CHROMATOGRAPHY, vol.28, no.10, pp.1409-1417, 2014 (SCI-Expanded)
- LIII. DEVELOPMENT AND VALIDATION OF A STABILITY-INDICATING RP-LC METHOD FOR THE DETERMINATION OF ANTICANCER DRUG EPIRUBICIN IN PHARMACEUTICALS**  
Kurbanoglu S., Bozal Palabiyik B., Gumushtas M., Sanli S., Uslu B., Ozkan S. A.  
JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES, vol.37, no.11, pp.1583-1596, 2014 (SCI-Expanded)
- LIV. Preparation and Characterization of Chitosan-Based Spray-Dried Microparticles for the Delivery of Clindamycin Phosphate to Periodontal Pockets**  
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- XLII. **Development of Salting-out Extraction Method for the Determination of Piroxicam from Polymeric Based Nanocarriers and Biological Samples**  
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- L. **Recent studies on the development of analytical methods for achiral and chiral separations**  
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- LI. **Enantioselective analysis of citalopram enantiomers with multiwalled carbon nanotube- c4- modified carbon paste electrode using adsorptive stripping square wave voltammetry**  
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- LV. **Separation of brombuterol enantiomers in capillary electrophoresis with cyclodextrin type chiral selectors and investigation of structure of selector-selectand complexes using nuclear magnetic resonance spectroscopy**  
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- LVIII. **The Role and the Benefits of Core-Shell Silica Particles in HPLC**  
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- LIX. **THE EFFECT OF SUPERFICIALLY POROUS SILICA PARTICLES AS COLUMN PACKING MATERIALS FOR THE ANALYSIS OF ACTIVE PHARMACEUTICAL INGREDIENTS VIA LIQUID CHROMATOGRAPHY**  
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- LX. **Simultaneous Estimation of Valsartan, Amlodipine, and Hydrochlorothiazide from their Pharmaceutical Preparation**  
ÖZKAN S. A., T. Nemlioğlu T., GÜMÜŞTAŞ M.  
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- LXI. **Development And Validation Of A Selective HPLC Method For The Determination Of S-Adenosyl L-Methionine Isomers From Rat Plasma**  
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- LXII. **Analytical Method Development and Validation For Simultaneous Determination of Carboplatine and**

## **Decitabine by Using HPLC**

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- LXIII. **Evaluation Of Chiral Stationary Phases Prepared By Covalent Immobilization Of Cellulose 3,5-Dichlorophenylcarbamate On Core-Shell Silica**  
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- LXIV. **Development and validation of a HILIC method for simultaneous determination of carboplatin and decitabine**  
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- LXV. **Separation Of Enantiomers Of Novel Chiral Pyrazoline Derivatives In Hplc With Polysaccharide Based Chiral Columns By Using Polar Organic Mobile Phases**  
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- LXVI. **Comparison Between Liquid Chromatography And Ratio Derivative Spectrophotometry For The Simultaneous Determination of Perindopril, Indapamide, and Amlodipine Ternary Mixtures**  
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Bounoua N., Sekkoum K., GÜMÜŞTAŞ M., Belboukhari N., ÖZKAN S. A.  
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- LXIX. **Determination of lactic acid content of a lactic acid bacterium by high performance liquid chromatography**  
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- LXX. **Enantioseparation of novel chiral pyrazolines in HPLC by using methanol as a mobile phase**  
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- LXXIII. **Laktik Asit Bakterilerinin Antimikrobiyal Aktiviteleri ve Laktik Asit Üretim Düzeyleri**  
ÖZOĞLU Ö., GÜMÜŞTAŞ M., ÖZKAN S. A., GÜNEŞ ALTUNTAŞ E.  
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- LXXV. **Validation of HPLC Methods for the Analysis of Nanoparticle Based Drug Delivery Systems**  
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- LXXVI. **Validation of HPLC Method for the Analysis of Nanoparticle Based Drug Delivery Systems**



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- LXXVII. **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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- LXXVIII. **Bazı antifungallerin enantiyomerlerinin kovalent olarak immobilize edilmiş polisakkarit temelli kiral seçiciler ve polar organik hareketli faz kullanarak HPLC ile ayrılması**  
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- LXXX. **Simultaneous Determination of Perindopril, Indapamide and Amlodipine Ternary Mixtures Using Ratio Derivative Spectrophotometric Method**  
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- LXXXI. **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.  
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- LXXXIII. **A VALIDATED VOLTAMMETRIC ASSAY FOR SIMULTANEOUS DETECTION OF AMLODIPINE BESYLATE AND ROSUVASTATIN CALCIUM IN BINARY MIXTURES**  
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- LXXXV. **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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- LXXXVI. **DEVELOPMENT OF FULLY VALIDATED HPLC METHOD FOR THE DETERMINATION OF ETOPOSIDE FROM COMMERCIAL DOSAGE FORM AND POLYMERIC TUBULAR NANOCARRIERS**  
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- LXXXVII. **HPLC separation of enantiomers of some beta-agonists by using polysaccharide-based chiral columns**  
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- LXXXVIII. **Separation of enantiomers of some beta-agonists by using polysaccharide-based chiral columns**  
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- LXXXIX. **ENANTIOMERIC SEPARATION OF BETA ADRENERGIC AGONISTS BY HPLC WITH POLYSACCHARIDE**

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- XC. **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.  
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- XCI. **Enantiometric Separation of Beta Adrenergic Agonists by HPLC with polysaccharide based chiral columns using various mobile phases**  
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- XCII. **The Role of HILIC Separation for the simultaneous determination of some antivirals**  
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- XCIII. **Simultaneous Estimation of Irbesartan and Hydrochlorothiazide in Their Binary Mixture by HPLC and UPLC**  
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- XCIV. **Separation of Enantiomers of Butoxamine Using Polysaccharide Based Chiral Columns with Emphasis on Enantiomer Elution Order**  
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- XCV. **Tenofovir'in farmasötik dozaj şekillerinden analizi için UV spektrofotometrik yöntem geliştirilmesi**  
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8. Ulusal Analitik Kimya Kongresi, Isparta, Turkey, 30 May - 03 June 2016
- XCVI. **Dutasterit ve Tamsulosin'in eş zamanlı kromatografik analizi**  
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- XCVII. **Oseltamivir'in farmasötik dozaj şekillerinden tayininde core-shell parçacıkların etkisi**  
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- XCVIII. **Entekapon'un farmasötik dozaj formundan UV spektrofotometrik tayini**  
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- XCIX. **Valgansiklovir'in UV spektrofotometrik yöntemle analizi ve validasyonu**  
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- CI. **Entakapon'un Farmasötik Dozaj Formundan UVSpektrofotometrik Tayini**  
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- CIII. **İrbesartan ve Hidroklorotiyazidin Ypsk ve Upsk ile Eş ZamanlıAnalizi**  
Boğaç Buğra B., Gümüştas A., GÜMÜŞTAŞ M., USLU B., ÖZKAN S. A.  
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- CIV. **Ritodrin Enantiyomerlerinin Ayrımı için Ypsk YöntemiGeliştirilmesi**

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- CV. **Antihipertansif Enalapril, Lerkanidipin, Nitrendipin in TF-SK ile Es Zamanlı Tayin Yöntemleri ve Validasyonu**  
KURBANOĞLU S., GÜMÜŞTAŞ M., ÖZKAN S. A.  
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- CVI. **Chromatographic investigation and simultaneous determination of some antiviral pharmaceuticals from biological samples**  
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- CVII. **The effect of core shell particles on chromatographic determination and optimization of dutasteride and tamsulosin**  
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- CVIII. **Optimization of sensitive and selective RP LC method for the determination of etofenamate from rat skin**  
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- CIX. **Separation the enantiomers of selected chiral agonists derivatives from the viewpoint of high performance liquid chromatography and capillary electrophoresis**  
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26-th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2015), 5 - 08 July 2015
- CX. **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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- CXI. **Optimization and validation of a RP LC method for the sensitive determination of antazoline and tetrahydrozoline**  
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- CXII. **Rhamnolipid production by pseudomonas spp In pulps**  
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- CXIII. **Evaluation of in vitro antimicrobial efficacy of some new generation disinfectants (P 416)**  
ERYILMAZ M., KAŞKATEPE B., BOZKURT M. E., EROL H. B., ŞİMŞEK D., GÜMÜŞTAŞ M.  
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- CXV. **Fulvestrantin Ters Faz Sıvı Kromatografik Yöntemle Biyolojik Sıvılar ve Polimerik Bazlı Nanopartikullerden Analizi**  
GÜMÜŞTAŞ M., ŞENGEL TÜRK C. T., HASÇİÇEK C., ÖZKAN S. A., BAKAR ATEŞ F., EVCİMEN N., SAVAŞER A., ÖZKAN Y.  
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- CXVI. **Comparative capillary electrophoresis and HPLC separation of enantiomers of selected chiral Agonists**  
GÜMÜŞTAŞ M., ÖZKAN S. A., CHANKVETADZE B.  
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- CXVII. **Antihipertansif Enalapril Lerkanidipin Nitrendipin in TF SK İle Eş Zamanlı Tayin Yöntemleri Ve Validasyonu**

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**CXVIII. Fulvestrantın Ters Faz Sivi Kromatografik Yöntemle Biyolojik Sivilar 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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**CXIX. Fulvestrant in Ters Faz Sıvı Kromatografik Yöntemle Biyolojik Sivilar 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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**CXX. Separation of enantiomers of chiral beta-agonists in capillary electrophoresis and high performance liquid chromatography**

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

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**CXXI. Hastane Enfeksiyonu Etkeni Pseudomonas Aeruginosa Suş larında Biosümfaktan Üretimi**

KAŞKATEPE B., YILDIZ S., GÜMÜŞTAŞ M., ÖZKAN S. A.

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Gümüştaş A., KIYMACI M. E., GÜMÜŞTAŞ M., Akın A., ÖZKAN S. A.

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**CXXIII. A comparative determination study of repaglinide by HPLC, UPLC and electrochemical methods**

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**CXXVII. Fabrication Of Fulvestrant Loaded Modified Released Nanoparticles: Effect Of Copolymer Molecular Weight On Particle Characteristics**

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HASÇIÇEK C., ŞENGEL TÜRK C. T., BAKAR F., EVCİMEN N., GÜMÜŞTAŞ M., ÖZKAN S. A.  
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- CXXXI. **Simultaneous determination of amlodipine and rosuvastatin in pharmaceuticals by LC and voltammetric techniques**  
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- CXXXII. **Enantiomeric separation of chiral  $\beta$ -agonist derivatives with using normal phase eluents by HPLC**  
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- CXXXIV. **Application of Novel Core-shell Type Polysaccharide-based Chiral Stationary Phases for Separation of Enantiomers in Nano Liquid Chromatography**  
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- CXXXVII. **A novel, sensitive and selective RP-LC method for the simultaneous determination of the antihypertensive drugs, enalapril-lercanidipine**  
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- CXXXIX. **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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- CXL. **Determination and mechanism study of antiviral drug fosaprenavir using carbon paste electrode in presence of triton X-100**  
Ashrafi A. M., GÜMÜŞTAŞ M., Vytrás K., Nematollahi D., Nematollahi D., ÖZKAN S. A.  
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GÜMÜŞTAŞ M., ÇİÇEK POLAT D., Arabacı Anul S., KILIÇ C. S., Akalın K., COŞKUN M.

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**CXLIV. Simultaneous estimation and validation of some binary mixtures of antihypertensive drugs by RP-LC method**

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

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**CXLV. Effect of drug/polymer ratio on the characteristics of clindamycin phosphate loaded spray dried chitosan microspheres prepared for periodontal administration**

KILIÇARSLAN M., GÜMÜŞTAŞ M., BAYKARA T.

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**CXLVI. Effect of drug polymer ratio on the characteristics of clindamycin phosphate loaded spray dried chitosan microspheres prepared for periodontal administration**

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**CXLVII. 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

**CXLVIII. Antiparkinson etkili maddelerin farmasötik dozaj formundan HPLC yöntemiyle eş zamanlı miktar tayini**

GÜMÜŞTAŞ M., USLU B., ÖZKAN S. A.

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**CXLIX. Yeni nesil kolonlarla antihipertansif ilaç etken maddeler için eş zamanlı tayin yöntemleri ve validasyonu**

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

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**CL. Psilocin And Psilocibin Contents Of Some Panaeolus Spp. Growing In Turkey**

KILIÇ C. S., kaya A., Solak H., Işiloğlu M., Gücin F., GÜMÜŞTAŞ M., COŞKUN M.

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**CLI. Investigation on electrochemical behavior of indole-hydrazones**

SHİRİNZADEH H., TEKİNER GÜLBAŞ P. B., Yılmaz A. D., GÜMÜŞTAŞ M., ÖZKAN S. A., SÜZEN S.

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**CLII. Psilocin and psilocibin content of some Psathyrella spp. Growing in Turkey**

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**CLIII. Simultaneous determination of trandolapril and verapamil in pharmaceutical formulations**

GÜMÜŞTAŞ M., ŞANLI S., ŞANLI N., ÖZKAN S. A.

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**CLIV. Determination of anticancer drug epirubicin in pharmaceutical preparations via glassy carbon electrode**

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

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**CLV. Electrochemical behavior and determination of antidiabetic drug repaglinide at glassy carbon electrode**

Coşkun G., GÜMÜŞTAŞ M., ÖZKAN S. A.

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- CLVI. **Electrochemical Behavior of Epirubicin at Boron-Doped Diamond Electrode and Its Determination in the Presence of Surfactants**  
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- CLVII. **Electrochemical Oxidation of Benidipine at Glassy Carbon Electrode and Its Direct Determination in Pharmaceutical Dosage Forms**  
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- CLVIII. **Understanding Electrochemical Mechanism of Epirubicin on Glassy Carbon Electrode via Model Pharmaceuticals**  
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- CLIX. **Electrochemical behavior of epirubicin at boron doped diamond electrode and its determination in the presence of surfactants**  
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- CLX. **Oseltamivir' in Farmasötik Dozaj formlarından Ters Faz YPSK Yöntemiyle Miktar Tayini**  
GÜMÜŞTAŞ M., ÖZKAN S. A.  
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- CLXI. **Determination Of Granisetron By HPLC-DAD Technique In Pharmaceutical Dosage Forms**  
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- CLXII. **Development Of Validated RP-HPLC Method For The Estimation Of Gemifloxacin From Tablet Dosage Form**  
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- CLXIII. **Analytical Applications Of Voltammetric Methods For The Simultaneous Determination Of Bisoprolol Fumarate And Hydrochlorothiazide In Their Dosage Forms**  
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GÜMÜŞTAŞ M., ÖZKAN S. A.  
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- CLXV. **Simultaneous Determination of Enalapril and Lercanidipine by HPLC-DAD Technique in Pharmaceutical Dosage Forms**  
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ISC 2010, Spain, 12 - 16 September 2010
- CLXVI. **Optimization of LC Methods for the Simultaneous Determination of Bisoprolol and Hydrochlorothiazide in Their Pharmaceutical Dosage Forms**  
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- CLXVII. **Development of a Validated LC Method For The Simultaneous Determination Of Amlodipine and Perindopril in Their Commercial Dosage Forms**  
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- CLXVIII. **Optimization of LC methods for the simultaneous determination of bisoprolol and hydrochlorothiazide in their pharmaceutical dosage forms**  
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- CLXIX. **Electrochemical Evaluation and Determination of Antiretroviral Drug Fosamprenavir in Pharmaceutical Dosage Forms and Biological Samples**  
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- CLXX. **Anodic voltammetry of antiretroviral drug fosamprenavir at boron-doped diamond and glassy carbon electrodes and its determination**  
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- CLXXII. **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**  
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- CLXXIII. **Synthesis and investigation of electrochemical behaviour of N-Methylindole-3-Carboxaldehyde İzonicotinoyl**  
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- CLXXIV. **Optimization of LC Methods for the Simultaneous Determination of Bisoprolol and Hydrochlorothiazide in Their Pharmaceutical Dosage Form**  
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- CLXXV. **. synthesis and investigation of electrochemical behaviour of N-methylindole-3-carboxaldehyde izonicotinoyl hydrazone**  
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Tok K. C., Gümüşttaş M., Kır Y., Kiki Ş., Süzen H. S., Cihan K. H., Can K. C., Project Supported by Higher Education Institutions, Klozapin Kullanan Psikoz Hastalarında Sitizinin Sigarayı Bırakma ve Psikoz Belirtileri Üzerine Etkisi, 2025 -



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- Gümüştaş M., Çağlayan M. G., Tok K. C., Project Supported by Higher Education Institutions, Opioid Bağımlılık Tedavisinde Kullanılan Naltrekson ve Ana Metabolitinin Tayini İçin Minyatürize Analitik Yöntem Geliştirilmesi, 2024 - 2025
- Şengel Türk C. T., Gümüştaş M., Bakar Ateş F., Demirtaş H., Alçıgır M. E., Altıntaş L., TUBITAK Project, Fibrosarkoma Tedavisine Yönelik STAT3 İnhibitörü İçeren Nanopartiküler İlaç Taşıyıcı Sistem Formülasyonlarının Geliştirilmesi ve In Vitro-In Vivo Degerlendirilmesi, 2023 - 2025
- Özkan S. A., Gümüştaş M., Other International Funding Programs, GREENNESS OF OFFICIAL STANDARD SAMPLE PREPARATION METHODS, 2021 - 2025
- Gümüştaş M., Koçak N., Project Supported by Higher Education Institutions, Pretroid Toksikasyonuna Sebep Olan Flumetrinin Analizi İçin Kromatografik Yöntem Geliştirilmesi, 2023 - 2024
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- Gümüştaş M., Banerjee S., Akpınar Y., Project Supported by Higher Education Institutions, Evaluation of fatty acid metabolism in AKR1B10 expressing liver cancer cells via targeted lipidomics, 2023 - 2024
- Akyüzlü D., Süzen H. S., Gümüştaş M., Kotiloğlu S. Ö., Danışman M., Project Supported by Higher Education Institutions, Dil altı buprenorfinnalokson kombinasyonu ile tedavi gören opioid kullanım bozukluğu tanılı bireylerde buprenorfin ve norbuprenorfin düzeylerine buprenorfin farmakokinetiğinde rol oynayan gen polimorfizmlerinin etkisi, 2022 - 2024
- 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 Flumetrin Kalıntısının Tespiti İçin Tek Kullanımlık Sensör Sistemlerinin Geliştirilmesi, 2022 - 2024
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- Gümüştaş M., Nemutlu E., Yabanoğlu Çiftçi S., Reçber T., TUBITAK Project, Kanser hücre hatlarında kiralomiks çalışmalar: Kiral metabolit ve lipidlerin iki modüllü sabit faz kolonlarla sıvı kromatografisi-kütle spektrometresi ile analizleri, 2021 - 2024
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- Güneş Altıntaş E., Ünal M. A., Gümüştaş M., Kaymaz Ö., Mergen H., Juneja V. K., TUBITAK Project, Pediyosin Molekülünde Yapısal Değişikliklerin Antimikrobiyal Aktivite Üzerindeki Etkilerinin in siliko ve in vitro Yolla Araştırılması, 2019 - 2023
- Gümüştaş M., Project Supported by Higher Education Institutions, Yakın zamanda piyasaya sürülen kiral ilaçların enantiyomerik safsızlıklarının tespiti ve validasyonu için yöntem geliştirilmesi, 2018 - 2021
- Üstündağ A., Gümüştaş M., Göker A. H., Özkan S. A., Karaaslan Ç., Project Supported by Higher Education Institutions, Bazı Yeni Kiral Benzimidazol Türevlerinin Sentezi, Yapılarının Aydınlatılması, Enantiyomerlerin Ayrılması ve Antikanser Etkilerinin İncelenmesi Üzerine Çalışmalar, 2018 - 2021
- GÜMÜŞTAŞ M., Project Supported by Other Official Institutions, Bazı kiral ilaçların enantiyomerlerinin yüksek performanslı sıvı kromatografi ile yeni nesil core-shell polisakkarit tabanlı kiral kolonlar kullanarak ayrımı ve validasyonu (MEV-2017-52), 2017 - 2019
- GÜMÜŞTAŞ M., Project Supported by Higher Education Institutions, Terazosin hidroklorür dihidrat ve Tamsulosin HCl nin kapiler elektroforez ile analizi ve validasyonu 16H0237011, 2016 - 2017
- USLU B., GÜMÜŞTAŞ M., Project Supported by Higher Education Institutions, Yeni nesil HILIC kolon kullanılarak bazı antiviral ilaçların farmasötik dozaj şekillerinden sıvı kromatografisi ile analizi, 2016 - 2016
- USLU B., GÜMÜŞTAŞ M., Project Supported by Higher Education Institutions, Dutasterit ve tamsulosin HCl nin yeni nesil kolonlar kullanarak bazı sıvı kromatografik yöntemlerle eş zamanlı analizi ve optimizasyonu, 2015 - 2016
- BAKAR ATEŞ F., ÖZKAN S. A., ŞENGEL TÜRK C. T., HAŞÇİÇEK C., TUBITAK Project, Meme kanseri tedavisinde kullanılmak üzere fulvestrant yüklü polimerik nanopartiküler sistemlerin geliştirilmesi, 2012 - 2015
- GÜMÜŞTAŞ M., Project Supported by Higher Education Institutions, Yeni nesil kolonlar kullanılarak bazı antiviral ilaçların sıvı kromatografik yöntemlerle eş zamanlı analizi ve optimizasyonu 12L336003, 2013 - 2014
- KILIÇ C. S., TUBITAK Project, Akdeniz Bölgesi nde Yetişen Psilosin ve Psilosibin Taşıyan Şapkalı Mantar Türleri Üzerinde Araştırmalar, 2009 - 2011

## Activities in Scientific Journals

JOURNAL OF AOAC INTERNATIONAL, Committee Member, 2025 - Continues  
Journal of Chromatography Open, Special Issue Editor, 2024 - Continues  
SCIENTIFIC REPORTS, Committee Member, 2024 - Continues  
Hitit Journal of Science (HJS), Scientific Committee Membership, 2023 - Continues  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, Committee Member, 2023 - Continues  
MOLECULES, Special Issue Editor, 2023 - Continues  
METABOLITES, Special Issue Editor, 2023 - Continues  
PHARMACEUTICS, Special Issue Editor, 2023 - Continues  
PHARMACEUTICALS, Special Issue Editor, 2023 - Continues  
SEPARATIONS, Special Issue Editor, 2023 - Continues  
JOURNAL OF RESEARCH IN PHARMACY, Committee Member, 2022 - Continues  
CURRENT PHARMACEUTICAL DESIGN, Committee Member, 2022 - Continues  
Türkiye Klinikleri Adli Tıp ve Adli Bilimler Dergisi, Publication Committee Member, 2022 - Continues

## Memberships / Tasks in Scientific Organizations

European Chemical Society, Division of Analytical Chemistry, Sample Preparation Study Group, Principal Member, 2022 - Continues, Belgium  
European Chemical Society, Division of Analytical Chemistry, Study group on Bioanalytics, Principal Member, 2021 - Continues, Belgium

## Peer Reviews in Scientific Publications

ELECTROANALYSIS, SCI Journal, March 2025  
Fabad Eczacılık Bilimler Dergisi, Other Indexed Journal, March 2025  
Journal of Pharmaceutical and Biomedical Analysis Open, SCI Journal, March 2025  
JOURNAL OF CHROMATOGRAPHY, SCI Journal, March 2025  
Journal of Pharmaceutical and Biomedical Analysis Open, National Scientific Refreed Journal, March 2025  
CHROMATOGRAPHIA, SCI Journal, March 2025  
Essential Chem, SCI Journal, March 2025  
JOURNAL OF RESEARCH IN PHARMACY, Journal Indexed in ESCI, March 2025  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, SCI Journal, March 2025  
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Journal of Pharmaceutical and Biomedical Analysis Open, Other Indexed Journal, March 2025  
GREEN ANALYTICAL CHEMISTRY, Journal Indexed in ESCI, February 2025  
BMC Chemistry, SCI Journal, February 2025  
TALANTA, SCI Journal, February 2025  
JOURNAL OF ANALYTICAL TOXICOLOGY, SCI Journal, February 2025  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, SCI Journal, February 2025  
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CURRENT PHARMACEUTICAL DESIGN, SCI Journal, December 2024  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, SCI Journal, December 2024  
journal of research in pharmacy, Other Indexed Journal, December 2024  
Journal of Pharmaceutical and Biomedical Analysis Open, Journal Indexed in ESCI, December 2024  
CHROMATOGRAPHIA, SCI Journal, December 2024

JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, SCI Journal, December 2024  
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BMC Chemistry, SCI Journal, November 2024  
AAPS PHARMSCITECH, SCI Journal, November 2024  
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Adli Tıp Dergisi, Other Indexed Journal, November 2024  
Journal of Pharmaceutical and Biomedical Analysis Open, Other Indexed Journal, October 2024  
TURKISH JOURNAL OF CHEMISTRY, SCI Journal, October 2024  
BMC Chemistry, SCI Journal, October 2024  
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Journal of Pharmaceutical and Biomedical Analysis Open, Other Indexed Journal, August 2024  
Hacettepe Üniversitesi Eczacılık Fakültesi Dergisi, National Scientific Refreed Journal, August 2024  
SCIENTIFIC REPORTS, SCI Journal, August 2024  
AAPS PHARMSCITECH, SCI Journal, August 2024  
Istanbul Journal of Pharmacy, Other Indexed Journal, August 2024  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, SCI Journal, August 2024  
Journal of Pharmaceutical and Biomedical Analysis Open, Other Indexed Journal, August 2024  
Veterinary Medicine and Science, SCI Journal, August 2024  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, SCI Journal, July 2024  
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JOURNAL OF CHROMATOGRAPHY, SCI Journal, July 2024  
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MICROCHEMICAL JOURNAL, SCI Journal, July 2024  
CURRENT PHARMACEUTICAL DESIGN, SCI Journal, June 2024  
INTERNATIONAL JOURNAL OF OBESITY, SCI Journal, June 2024  
POLYMERS, SCI Journal, June 2024  
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Journal of NanoScience in Advanced Materials, Other Indexed Journal, May 2024  
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Erzincan University Journal of Science and Technology, National Scientific Refreed Journal, October 2023  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, SCI Journal, August 2023  
ELECTROPHORESIS, SCI Journal, August 2023  
FOOD CHEMISTRY, SCI Journal, June 2023  
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JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A: CHEMISTRY, SCI Journal, May 2023  
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CUMHURİYET SCIENCE JOURNAL, National Scientific Refreed Journal, March 2023  
Advances in Sample Preparation, Other Indexed Journal, March 2023  
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MINI-REVIEWS IN ORGANIC CHEMISTRY, SCI Journal, July 2022  
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JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, SCI Journal, June 2022  
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RSC ADVANCES, SCI Journal, May 2022  
JOURNAL OF CHROMATOGRAPHY A, SCI Journal, May 2022  
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TÜRKİYE KLİNİKLERİ ADLİ TIP VE ADLİ BİLİMLER DERGİSİ, National Scientific Refreed Journal, May 2022  
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SYMMETRY-BASEL, SCI Journal, December 2021  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, SCI Journal, December 2021  
MOLECULES, SCI Journal, December 2021  
TURKISH JOURNAL OF CHEMISTRY, SCI Journal, December 2021  
TALANTA, SCI Journal, November 2021  
TURKISH JOURNAL OF CHEMISTRY, SCI Journal, September 2021

### **Scientific Project Refereeing**

Project Supported by Public Organizations in Other Countries, March 2024  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, June 2022

### **Tasks In Event Organizations**

Gümüştas M., Özkan S. A., 7 th International Symposium on Advanced Pharmaceutical Analysis, Scientific Congress, Ankara, Turkey, Ağustos 2025  
Tok K. C., Gümüştas M., 13th Annual Symposium on Physical and Analytical Chemistry (ASPAC 2024), Scientific Congress, Tbilisi, Georgia, Aralık 2024  
Gümüştas M., 2nd Green and Sustainable Analytical Chemistry Conference (GSAC2024), Scientific Congress, Hania, Greece, Eylül 2024  
Gümüştas M., 3rd European Sample Preparation Conference (EuSP2024), Scientific Congress, Hania, Greece, Eylül 2024  
Gümüştas M., 6th International Congress on Biosensors, Scientific Congress, Konya, Turkey, Eylül 2024  
Gümüştas M., Tok K. C., 12th Annual Symposium on Physical and Analytical Chemistry (ASPAC 2023) , Scientific Congress, Tbilisi, Georgia, Aralık 2023  
Gümüştas M., III. INTERNATIONAL SECURITY CONGRESS (Criminalistics and Criminology), Scientific Congress, Ankara, Turkey, Eylül 2023  
Gümüştas M., ANATOLIA International Congress on Health Sciences and Technologies Research, Scientific Congress, Ankara, Turkey, Eylül 2023

Gümüřtař M., 60th The International Association of Forensic Toxicologists (TIAFT) 2023, Scientific Congress, Rome, Italy, Aęustos 2023

Gümüřtař M., Tok K. C., Uslu B., 33. International Symposium on Pharmaceutical and Biomedical Analysis, Scientific Congress, Ankara, Turkey, Temmuz 2023

Gümüřtař M., CURRENT RESEARCH TOPICS IN PHARMACY: Pharmacology Debates, Scientific Congress, Turkey, Nisan 2023

Gümüřtař M., SAKA O. M., CURRENT RESEARCH TOPICS IN PHARMACY: Therapeutic Drug Monitoring, Scientific Congress, Turkey, Mart 2023

Gümüřtař M., SAKA O. M., CURRENT RESEARCH TOPICS IN PHARMACY: Drug Delivery, Scientific Congress, Turkey, řubat 2023

Gümüřtař M., SAKA O. M., CURRENT RESEARCH TOPICS IN PHARMACY: In silico Approaches for Drug Design and Discovery, Scientific Congress, Turkey, Ocak 2023

Tok K. C., Gümüřtař M., 11th Annual Symposium on Physical and Analytical Chemistry (ASPAC 2022), Scientific Congress, Tbilisi, Georgia, Aralık 2022

Gümüřtař M., ÜNAL M. A., 5th International Congress on Biosensors, Scientific Congress, řanakkale, Turkey, Eylül 2022

Gümüřtař M., 1st Green and Sustainable Analytical Chemistry, Scientific Congress, Greece, Mart 2022

Gümüřtař M., 2nd European Sample Preparation Conference, Scientific Congress, Greece, Mart 2022

## Metrics

Publication: 265  
Citation (WoS): 1279  
Citation (Scopus): 1466  
H-Index (WoS): 20  
H-Index (Scopus): 22

## Scholarships

French-Turkish scholarship Program, Official Institutions of Foreign Countries, 2018 - 2019  
Mevlana Deęiřim Programı, YOK, 2014 - 2014

## Awards

Tosunoęlu E., Avcı K., Tok K. C., Sevim B., Güneř Altuntař E., Süzen H. S., Gümüřtař M., Best 2nd Oral Presentation Award, American Chemical Society – Georgia International Chemical Science Association, December 2024

Bozmaoęlu C. H., Karasu T., Tok K. C., Uzun L., Gümüřtař M., The Best Poster Award, 3. European Sample Preparation Conference (Eusp2024), September 2024