

Prof.Dr. İSMAİL MURAT PALABIYIK

Kişisel Bilgiler

Web: <https://avesis.ankara.edu.tr/mpala>

Eğitim Bilgileri

Doktora, Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Analitik Kimya (Dr), Türkiye 2003 - 2008
Yüksek Lisans, Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Analitik Kimya (YI) (Tezli), Türkiye 2001 - 2003
Lisans, Ankara Üniversitesi, Eczacılık Fakültesi, Eczacılık Pr., Türkiye 1995 - 1999

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, Dekstrometorfan hidrobromür içeren çoklu preparatlardaki etken maddelerin spektrofotometrik, kromatografik ve kapiler elektroforetik yöntemlerle miktar tayinleri, Ankara Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2008
Yüksek Lisans, Pseudoefedrin hidroklorür içeren farmasötik preparatlarda etken maddelerin kemometrik teknikler kullanılarak spektrofotometrik miktar tayinleri, Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Analitik Kimya (YI) (Tezli), 2003

Araştırma Alanları

Sağlık Bilimleri

Akademik Unvanlar / Görevler

Prof.Dr., Ankara Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2021 - Devam Ediyor
Doç.Dr., Ankara Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2014 - 2021
Araştırma Görevlisi, Ankara Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2002 - 2014

Verdiği Dersler

Uzmanlık Alan Dersi , Doktora, 2022 - 2023
Seminer, Yüksek Lisans, 2022 - 2023
Uzmanlık Alan Dersi , Yüksek Lisans, 2022 - 2023
Tez Çalışması , Yüksek Lisans, 2022 - 2023
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Adli Bilimlerde Analitik Yöntemler , Yüksek Lisans, 2022 - 2023
ANALYTICAL CHEMISTRY II , Lisans, 2022 - 2023
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KAPİLER ELEKTROFOREZ, Doktora, 2021 - 2022
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Araştırma Projesi I , Lisans, 2022 - 2023
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UZMANLIK ALAN DERSİ , Doktora, 2022 - 2023, 2021 - 2022
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COMPUTER USAGE AND CALCULATION IN ANALYTICAL CHEMISTRY , Lisans, 2021 - 2022
Analitik Kimya Uygulama II , Lisans, 2021 - 2022
GENEL KİMYA I, Lisans, 2015 - 2016, 2014 - 2015
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BİYOLOJİK SİSTEMLERDE İLAÇ ETKİSİNİN FİZİKOKİMYASAL PRENSİPLERİ, Doktora, 2015 - 2016, 2014 - 2015
ELEKTROFRETİK OLAYLAR, Yüksek Lisans, 2015 - 2016, 2014 - 2015
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Yönetilen Tezler

Palabıyık İ. M., TAZOBAKTAM VE PİPERASİLİNİN FARMASÖTİK PREPARATLARDA AYNI ANDA TAYİNLERİ İÇİN GELİŞTİRİLEN KEMOMETRİK YÖNTEMLERİN OPTİMİZASYONUNDA YÜZEY YANIT METOLODOJİSİ TEKNİĞİNİN KULLANILMASI, Yüksek Lisans, Ö.Şahin(Öğrenci), Devam Ediyor

Palabıyık İ. M., ÇOCUKLARDA GÖRÜLEN RENAL HİPOPLAZİ VE MULTİKİSTİK DİSPLASTİK BÖBREK HASTALIKLARININ GAZ KROMATOĞRAFİSİ – KÜTLE SPEKTROMETRİ VE SIVI KROMATOĞRAFİ – QTOF - KÜTLE SPEKTROMETRİ YÖNTEMLERİ KULLANILARAK METABOLOMİK ANALİZLERİ, Bütünleşik Doktora, B.Yemenici(Öğrenci), Devam Ediyor

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Palabiyik İ. M., Endokrin bozucu ilaçların moleküler baskılama tekniği kullanılarak spektrofotometrik yöntem ile tayini, Bütünleşik Doktora, D.Şimşek(Öğrenci), Devam Ediyor

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Polyethylene glycol functionalized CuO/rGO nanocomposite based electrochemical sensor for ultra-sensitive electro-oxidation of bromoxynil in vegetables**
Buledi J. A., Batoool M., Ameen S., Solangi A. R., Mallah A., Palaybik İ. M., Sherazi S. T. H., Ali S.
CHEMICAL PAPERS, cilt.77, sa.11, ss.7215-7223, 2023 (SCI-Expanded)
- II. **Physical properties and pharmacological applications of Co₃O₄, CuO, NiO and ZnO nanoparticles**
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World Journal of Microbiology and Biotechnology, cilt.39, sa.8, 2023 (SCI-Expanded)
- III. **Pharmacological assessment of Co₃O₄, CuO, NiO and ZnO nanoparticles via antibacterial, anti-biofilm and anti-quorum sensing activities**
Junejo B., ERYILMAZ M., RIZVANOĞLU S. S., PALABIYIK İ. M., Ghumro T., Mallah A., Solangi A. R. R., Hyder S. I., Maleh H. K., Dragoi E. N.
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- V. **Design and in vitro/in vivo Evaluation of Polyelectrolyte Complex Nanoparticles Filled in Enteric-Coated Capsules for Oral Delivery of Insulin**
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- VI. **Electrochemical quantification of mancozeb through tungsten oxide/ reduced graphene oxide nanocomposite: A potential method for environmental remediation**
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- VII. **Simultaneous Determination of Amlodipine and Irbesartan in Their Pharmaceutical Formulations by Square-Wave Voltammetry**
PALABIYIK İ. M., Dogan A., SÜSLÜ İ.
COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING, cilt.25, sa.2, ss.241-251, 2022 (SCI-Expanded)
- VIII. **Functional Co₃O₄ nanostructure-based electrochemical sensor for direct determination of ascorbic acid in pharmaceutical samples**
Khand N. H., PALABIYIK İ. M., Buledi J. A., Ameen S., Memon A. F., Ghumro T., Solangi A. R.
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- IX. **Exploring electrocatalytic proficiencies of CuO nanostructure for simultaneous determination of bentazone and mexacarbate pesticides**
Buledi J. A., Buledi P. A., Batoool M., Solangi A. R., Mallah A., Ameen S., PALABIYIK İ. M., Maleh H. K.
APPLIED NANOSCIENCE, cilt.11, sa.6, ss.1889-1902, 2021 (SCI-Expanded)
- X. **Heterogeneous kinetics of CuO nanoflakes in simultaneous decolorization of Eosin Y and Rhodamine B in aqueous media**
Buledi J. A., Pato A. H., Kanhar A. H., Solangi A. R., Batoool M., Ameen S., PALABIYIK İ. M.
APPLIED NANOSCIENCE, cilt.11, sa.4, ss.1241-1256, 2021 (SCI-Expanded)

- XI. **Equilibrium, Thermodynamic, and Density Functional Theory Modeling Studies for the Removal of Dichromate Ions from Wastewater Using Calix[4]arene Modified Silica Resin**
Junejo R., Jalbani N. S., Memon S., KAYA S., ERKAN S., SERDAROĞLU G., PALABIYIK İ. M.
JOURNAL OF CHEMICAL AND ENGINEERING DATA, cilt.66, sa.1, ss.379-388, 2021 (SCI-Expanded)
- XII. **Plant material protected cobalt oxide nanoparticles: Sensitive electro-catalyst for tramadol detection**
Memon S. A., Hassan D., Buledi J. A., Solangi A. R., Memon S. Q., PALABIYIK İ. M.
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- XIII. **Large Volume Sample Stacking (LVSS) in Capillary Electrophoresis (CE) with Response Surface Methodology (RSM) for the Determination of Phenolics in Food Samples**
Memon A. F., PALABIYIK İ. M., Solangi A. R., Memon S. Q., Mallah A. B.
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- XIV. **Molecular Identification and Antimicrobial Activity of Vaginal Lactobacillus sp**
ERYILMAZ M., GÜRPINAR S. S., PALABIYIK İ. M., Guriz H., GERÇEKER D.
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- XV. **Bioanalytical LC/MS study of potential bacterial transglycosylation inhibitors**
Blanchaert B., PALABIYIK İ. M., GÖKBULUT A., Wang M., Dai Z., Wei F., Ma S., Adams E., Van Schepdael A.
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- XVI. **Gold Nanoparticle-Lignan Complexes Inhibited MCF-7 Cell Proliferation in vitro: A Novel Conjugation for Cancer Therapy**
BAKAR ATEŞ F., ÇAĞLAYAN M. G., Onur F., Nebioglu S., PALABIYIK İ. M.
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- XVII. **Gold nanoparticle conjugated lignan derivatives inhibited the proliferation of MCF-7 human breast cancer cells**
Bakar F., Caglayan G., Onur F., Nebioglu S., Palabiyik İ. M.
EUROPEAN JOURNAL OF CANCER, cilt.50, 2014 (SCI-Expanded)
- XVIII. **First derivative spectrophotometric determination of cefixime and cefdinir in pharmaceutical preparations Sefdinir ve sefiksim'in farmasötik preparatlarda birinci tiyrev spektrofotometrik tayini**
Baş E., Özdem S., ÇAĞLAYAN M. G., PALABIYIK İ. M., Onur F.
Turkish Journal of Pharmaceutical Sciences, cilt.10, sa.3, ss.321-328, 2013 (SCI-Expanded)
- XIX. **Multivariate Optimization Model in a Partial Least Squares-1 Method for Simultaneous Determination of Dorzolamide Hydrochloride and Timolol Maleate in Eye Drops**
PALABIYIK İ. M., Goker E., ÇAĞLAYAN M. G., Onur F.
CURRENT PHARMACEUTICAL ANALYSIS, cilt.9, sa.4, ss.404-412, 2013 (SCI-Expanded)
- XX. **Multivariate Optimization of Separation Conditions for Simultaneous Determination of Acemetacin and Chlorzoxazone in a Pharmaceutical Preparation by HPLC Using Response Surface Methodology**
Aybaba C., PALABIYIK İ. M., ÇAĞLAYAN M. G., Onur F.
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- XXI. **Hypochlorous Acid - Analytical Methods and Antimicrobial Activity**
ERYILMAZ M., PALABIYIK İ. M.
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- XXII. **STABILITY-INDICATING MICELLAR ELEKTROKINETIC CHROMATOGRAPHY METHOD FOR DETERMINATION OF FINASTERIDE IN PHARMACEUTICAL PREPARATIONS**
ÇAĞLAYAN M. G., PALABIYIK İ. M., Onur F.
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- XXIII. **Using derivative and ratio spectra derivative: spectrophotometries as new data preprocessing method in partial least squares technique for resolving overlapped spectra of montelukast sodium, desloratadine, and levocetirizine dihydrochloride**
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- XXIV. **Simultaneous spectrophotometric and liquid chromatographic determination of dextromethorphan**

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PALABIYIK İ. M., Onur F.

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- XXV. **Spectrophotometric methods for determination of quetiapine hemifumarate in pharmaceutical preparations using bromcresol purple and bromcresol green Ketiapin hemifumarat'ın bromkrezol moru ve bromkrezol yeşili kullanılarak farmasotik preparatlarda tayini için spektrofotometrik yöntemler**
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- XXVI. **Optimisation and validation of liquid chromatographic and partial least-squares-1 methods for simultaneous determination of enalapril maleate and nitrendipine in pharmaceutical preparations**
ÇAĞLAYAN M. G., PALABIYIK İ. M., Bor M., Onur F.
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- XXVII. **Optimization of the experimental conditions for macrolide antibiotics in high performance liquid chromatography by using response surface methodology and determination of tylosin in milk samples**
Şanlı S., PALABIYIK İ. M., Şanlı N., Guzel-Seydim Z. B., Alsancak G.
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- XXVIII. **Multivariate Optimization and Validation of a CE method for Simultaneous Analysis of Dorzolamide Hydrochloride and Timolol Maleate in Ophthalmic Solution**
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- XXIX. **Liquid Chromatographic and Spectrophotometric Determination of Diflucortolone Valerate and Isoconazole Nitrate in Creams**
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JOURNAL OF AOAC INTERNATIONAL, cilt.94, sa.1, ss.128-135, 2011 (SCI-Expanded)
- XXX. **Chemometric methods for simultaneous quantification of lactic, malic and fumaric acids**
Sokullu E., PALABIYIK İ. M., Onur F., BOYACI İ. H.
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- XXXI. **Development and Validation of Spectrophotometric and High-Performance Column Liquid Chromatographic Methods for the Simultaneous Determination of Dienogest and Estradiol Valerate in Pharmaceutical Preparations**
ÇAĞLAYAN M. G., PALABIYIK İ. M., Onur F.
JOURNAL OF AOAC INTERNATIONAL, cilt.93, sa.3, ss.862-868, 2010 (SCI-Expanded)
- XXXII. **Multivariate optimization and validation of a capillary electrophoresis method for the simultaneous determination of dextromethorphan hydrobromur, phenylephrine hydrochloride, paracetamol and chlorpheniramine maleate in a pharmaceutical preparation using response surface methodology**
PALABIYIK İ. M., Onur F.
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- XXXIII. **Evaluation of two approaches to characterise liquid chromatographic columns using pharmaceutical separations**
Dragovic S., Haghedooren E., Németh T., Palabiyik İ. M., Hoogmartens J., Adams E.
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- XXXIV. **Spectrophotometric and high performance liquid chromatographic determination of fexofenadine hydrochloride in pharmaceutical formulations**
Kozan I., PALABIYIK İ. M., Karacan E., Onur F.
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- XXXV. **Spectrophotometric determination of amoxicillin in pharmaceutical formulations**
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- XXXVI. **Simultaneous spectrophotometry determination of pseudoephedrine sulfate and dexbrompheniramine maleate in pharmaceutical preparations using partial least squares regression, principal component regression and artificial neural networks**
PALABIYIK İ. M., Onur F.
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- XXXVII. **Simultaneous spectrophotometric determination of ezetimibe and simvastatin in pharmaceutical preparations using chemometric techniques**
PALABIYIK İ. M., Onur F., Yardimci C., ÖZALTIN N.
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- XXXIX. **The simultaneous determination of phenylephrine hydrochloride, paracetamol, chlorpheniramine maleate and dextromethorphan hydrobromide in pharmaceutical preparations**
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- XL. **Liquid chromatographic and spectrophotometric determination of diflucortolone valerate and chlorquinaldol in creams**
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- XLI. **Liquid chromatographic and spectrophotometric determination of phenazopyridine hydrochloride, ampicilline trihydrate, and nitrofurantoin in pharmaceutical preparations**
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ANALYTICAL LETTERS, cilt.37, sa.10, ss.2125-2150, 2004 (SCI-Expanded)
- XLII. **Simultaneous spectrophotometric determination of pseudoephedrine hydrochloride and ibuprofen in a pharmaceutical preparation using ratio spectra derivative spectrophotometry and multivariate calibration techniques**
Palabiyik İ. M., DİNÇ E., Onur F.
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- XLIII. **Simultaneous spectrophotometric determination of cyproterone acetate and estradiol valerate in pharmaceutical preparations by ratio spectra derivative and chemometric methods**
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- XLIV. **Simultaneous spectrophotometric determination of chlorphenoxamine hydrochloride and caffeine in a pharmaceutical preparation using first derivative of the ratio spectra and chemometric methods**
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Diğer Dergilerde Yayınlanan Makaleler

- I. **Efficient adsorption of heavy metal ions onto diethylamine functionalized calix[4]arene based silica resin**
Junejo R., Memon S., PALABIYIK İ. M.
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- III. **Spectrophotometric methods for determination of quetiapine hemifumarate in pharmaceutical preparations using bromcresol purple and bromcresol green**
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- V. **Spectrophotometric and liquid chromatographic determination of acemetacin in pharmaceutical formulations Asemetasin'in farmasötik preparatlarda spektrofotometrik ve sıvı kromatografik yöntemlerle miktar tayini**
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Kitap & Kitap Bölümleri

- I. **Analitik Validasyon**
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İlaç Keşfi ve Geliştirilmesi, Mehmed Alp, Editör, Akademisyen, Ankara, ss.227-239, 2021

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **GREEN SYNTHESIS AND CHARACTERIZATION OF SILVER NANOPARTICLES USING PYRACANTHA COCCINEA M.J. ROEM AND THEIR ANTIBACTERIAL, ANTIBIOFILM AND ANTI-QUORUM SENSING ACTIVITIES**
Gökdere N., Rızvanoğlu S. S., Emir E., Eryılmaz M., Atakol O., Palabiyik İ. M.
International Symposium on Pharmaceutical and Biomedical Analysis, Ankara, Türkiye, 2 - 06 Temmuz 2023, ss.1-3
- II. **Synthesis, Characterization And Antimicrobial Activity Of Zinc Nanoparticle By The Green Method Using Pyracantha Coccinea M.J. Roem**
Gökdere N., Rızvanoğlu S. S., Emir E., Eryılmaz M., Atakol O., Palabiyik İ. M.
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- III. **A New Emugel Formula of Prunus mahaleb L. Waste Material**
Şentürk E., Üstündağ Okur N., Palabiyik İ. M., Gökdere N., İleri Özler H. K., Karaaslan M., Çağlar E. Ş., Sapcı B., Saltan İşcan H. G.
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- IV. **High Performance Liquid Chromatography Analysis of Secondary Metabolites from Vaginal Lactobacillus Species.**
GÜRPINAR S. S., ERYILMAZ M., PALABIYIK İ. M., GERÇEKER D.
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- V. **High Performance Liquid Chromatography Analysis of Secondary Metabolites from Vaginal Lactobacillus Species**
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- VI. **Effect of secondary metabolites of Lactobacillus species isolated from vaginal cultures on the proliferation of HCT 116 colon cancer cells.**
ERYILMAZ M., KOÇ A., GÜRPINAR S. S., PALABIYIK İ. M., GERÇEKER D.
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- VII. **The investigation of DNA binding profiles of gold nanoparticle bound lignan species called secoisolariciresinol using spectrophotometry and spectrofluorimetry**
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2nd International Gazi Symposium Series, Ankara, Türkiye, 11 - 13 Ekim 2017
- VIII. **OPTIMIZATION OF A LIQUID CHROMATOGRAPHIC METHOD FOR DETERMINATION OF PHENOLIC COMPOUNDS FROM DIFFERENT FOOD SAMPLES USING TAGUCHI DESIGN**
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- IX. **The Investigation of DNA Binding Profiles of Gold Nanoparticle Bound Lignan Species Called Lariciresinol Using Spectrophotometry and Spectrofluorimetry**
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- X. **The Effects Of Newly Synthesized Indole 3 Amine Derivatives On Mmp 2 Activity In Breast Cancer Cells**
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- XI. **Newly synthesized indole 3 imine 2 on derivatives inhibited MMP 9 mRNA expression of human breast cancer cells**
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- XII. **Simultaneous determination of amlodipine and rosuvastatin in human urine by LC MS MS method**
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- XIII. **Effects of newly synthesized indole derivatives on proliferation apoptosis and MMP 2 expression of MCF 7 human breast adenocarcinoma cells**
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- XIV. **Synthesis and characterization of lignan B Cd AuNP complexes**
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- XV. **Gold nanoparticle conjugated lignan derivatives inhibited the proliferation of MCF 7 human breast cancer cells**
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- XVI. **The Time and concentration dependent inhibition of human breast cancer cell proliferation by lariciresinol and pinoresinol**
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- XVII. **Response surface methodology in optimization of hplc analysis of fluoxetine and olanzapine**
KARADEMİR F., ÇAĞLAYAN M. G., PALABIYIK İ. M., ONUR F.
HPLC 2013, Amsterdam, Hollanda, 16 - 20 Eylül 2013
- XVIII. **Simultaneous spectrophotometric determination of dorzolamide and timolol maleate using multivariate optimization**
GÖKER E., PALABIYIK İ. M., ÇAĞLAYAN M. G., ONUR F.

- 10th International Symposium on Pharmaceutical Sciences, Ankara, Türkiye, 26 - 29 Haziran 2012
- XIX. **STABILITY-INDICATING MICELLAR ELEKTROKINETIC CHROMATOGRAPHY METHOD FOR DETERMINATION OF FINASTERIDE IN PHARMACEUTICAL PREPARATIONS**
ÇAĞLAYAN M. G., PALABIYIK İ. M., ONUR F.
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- XX. **Simultaneous spectrophotometric determination of estradiol valerate and dienogest in pharmaceutical preparations by principal component regression**
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Metrikler

Yayın: 72

Atıf (WoS): 560

Atıf (Scopus): 690

H-İndeks (WoS): 14

H-İndeks (Scopus): 14