

## **ÖZ GEÇMİŞ**

**Doç. Dr. İSMAİL MURAT PALABIYIK**

**Doğum tarihi:** 11 Mayıs 1978

**Doğum yeri:** İnebolu

**Medeni durumu:** Evli, 1 çocuk

**Yabancı Diller:** İngilizce

### **Çalıştığı yer:**

Ankara Üniversitesi Eczacılık Fakültesi, Analitik Kimya Anabilim Dalı ANKARA

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### **Akademik Geçmiş**

**Mezuniyet:** Ankara Üniversitesi Eczacılık Fakültesi, 1999

**Yüksek Lisans:** Ankara Üniversitesi Eczacılık Fakültesi Analitik Kimya Anabilim Dalı, 2003

**Doktora:** Ankara Üniversitesi Eczacılık Fakültesi Analitik Kimya Anabilim Dalı, 2008

### **Bilimsel Aktiviteler:**

Milli Savunma Bakanlığı Ordu İlaç Fabrikası, Stajyer, Ağustos, 1998

Katolik Leuven Üniversitesi, Eczacılık Fakültesi, Farmasötik Kimya ve İlaç Analizleri

Laboratuvarı, Misafir Araştırmacı, Temmuz 2005 – Eylül 2005

Araştırma Görevlisi, Ankara Üniversitesi Eczacılık Fakültesi Analitik Kimya Anabilim Dalı, 2002 – 2014

Doç. Dr. , Ankara Üniversitesi Eczacılık Fakültesi Analitik Kimya Anabilim Dalı, 2014-

### **Alınan Ödüller:**

Yüksek Onur Öğrencisi, Ankara Üniversitesi Eczacılık Fakültesi, 1995 – 1999

TÜBİTAK – BİDEB Yüksek Lisans Bursiyesi

TÜBİTAK – BİDEB Doktora Bursiyeri

Doktora Tezi Ödülü, Ankara Üniversitesi, 2009

## **Çalışma Konuları**

1. Farmasötik Preparatlardan ve Biyolojik Örneklerden İlaç Analizleri: İlaç karışımlarının aynı anda tayinleri için kapiler elektroforez, yüksek performanslı sıvı kromatografisi, spektrofotometri, spektrofluorimetri ve elektrokimya cihazlarını kullanarak yeni analiz metodlarının geliştirilmesi ve validasyonu.
2. Kemometri: İlaç karışımlarının aynı anda tayinleri için kemometrik tekniklerin kullanımı (Klasik En Küçük Kareler, Ters En Küçük Kareler, Temel Bileşen Regresyonu, Kısmi En Küçük Kareler Teknikleri, Yapay Sinir Ağları)
3. Metot Optimizasyonu: Analitik yöntemlerin geliştirilmesi, optimizasyonu ve iyileştirilmesi aşamalarında cihazdan elde edilen yanıt ve deneysel faktörlerin ilişkisinin incelenmesi için istatistiksel ve matematiksel tekniklerin kullanımı (Yüzey Yanıt Metodolojisi, Yapay Sinir Ağları vb.)
4. Metabolomik
5. Nanopartiküllerin sentez ve karakterizasyonu
6. İlaç – DNA etkileşimleri

## **Projeler**

Altın nanoparçacık bağlanmış pinoresinol, lariciresinol ve secoisolariciresinol lignan türlerinin dnaya bağlanma profillerinin ve anti-kanser etkilerinin araştırılması (2013-2015), Yürütücü, 112S591

Sentezlenmiş indol-3-amin, indolin-2-tiyon ve indol-3-imin-2-on türevi bileşiklerin matriks metalloproteinaz enzim inhibitörü etkilerinin incelenmesi (2013 – 2015), Araştırmacı, 113S254

Oral insülin verilışı için protamin bazlı nanopartikülleri içeren enterik kaplı kapsüllerin hazırlanması, in vitro ve in vivo değerlendirilmesi (2017 – 2019), Araştırmacı

Bazı antidiyabetiklerin aynı anda tayinleri için kapiler elektroforez yönteminin optimizasyonu, Uşak Üniversitesi, UBAP-01, 2014/MF008, Araştırmacı, 2014 – 2017.

## **Dergi Editörlükleri**

- 1) Pharmaceutica Analytica Acta
- 2) Pharmaceutical Regulatory Affairs
- 3) Pakistan Journal of Analytical & Environmental Chemistry

## **Düzenlenen Kongreler**

Organizasyon Komitesi Üyesi, 4<sup>th</sup> International Conference and Exhibition on Analytical & Bioanalytical Techniques (Analytica Acta – 2013), 15-17 Ekim, 2013, Las Vegas, ABD

Bilimsel Komite Üyesi, 15th Ulusal Kromatografi Konferansı, 8 – 10 Nisan, 2015, Uşak, Türkiye

Organizasyon Komitesi Üyesi, World Congress on Chromatography, 21 – 23 Eylül 2016, Amsterdam, Hollanda

## **Bilimsel Kuruluşlara Üyelik**

1. FABAD Farmasötik Bilimler Ankara Derneği

## **SCI Kapsamındaki Dergilerde Hakemlikler**

1. Journal of Pharmaceutical and Biomedical Analysis
2. Journal of Separation Sciences
3. Journal of AOAC International
4. Journal of Chromatographic Science
5. Analytical Letters
6. Spectrochimica Acta Part A
7. Journal of Solution Chemistry
8. Chemical Industry & Chemical Engineering Quaterly
9. Journal of Liquid Chromatography & Related Technologies
10. Natural Product Research
11. Arabian Journal of Chemistry
12. Macedonian journal of chemistry and chemical engineering
13. Bulletin of The Chemical Society of Ethiopia
14. African Journal of Biotechnology
15. African Journal of Pharmacy and Pharmacology

## **Diğer İndeksli Dergilerde Hakemlikler**

16. Turkish Journal of Pharmaceutical Science
17. Pharmaceutica Analytica Acta
18. British Journal of Medicine and Medical Research
19. Hacettepe Üniversitesi Eczacılık Fakültesi Dergisi
20. Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi
21. Cumhuriyet Science Journal

## SCI Kapsamındaki Dergilerde Yer Alan Makaleler

1. Dinc, E., Palabiyik, I.M., Ustundag, O., Yurtsever, F., Onur, F. Simultaneous Spectrophotometric Determination of Chlorphenoxamine Hydrochloride and Caffeine in a Pharmaceutical Preparation Using First Derivative of The Ratio Spectra and Chemometric Methods *Journal of Pharmaceutical and Biomedical Analysis*, 28, (3-4), 591 – 600, 2002
2. Dinc, E., Yucesoy, C., Palabiyik, I.M., Ustundag, O., Onur, F. Simultaneous Spectrophotometric Determination of Cyproterone Acetate and Estradiol Valerate in Pharmaceutical Preparations Using First Derivative of The Ratio Spectra and Chemometric Methods. *Journal of Pharmaceutical and Biomedical Analysis*, 32, 539 – 547, 2003
3. Palabiyik, I.M., Dinc, E., Onur, F. Simultaneous Spectrophotometric Determination of Pseudoephedrine Hydrochloride and Ibuprofen in a Pharmaceutical Preparation Using Ratio Spectra Derivative Spectrophotometry and Multivariate Calibration Techniques. *Journal of Pharmaceutical and Biomedical Analysis*, 34 (3), 473 – 483, 2004
4. Palabiyik, I.M., Onur, F. Liquid Chromatographic and Spectrophotometric Determination of Phenazopyridine Hydrochloride, Ampicilline Trihydrate, and Nitrofurantoin in Pharmaceutical Preparations. İsmail Murat PALABIYIK, Feyyaz ONUR, *Analytical Letters*, 37 (10), 2125-2150, 2004
5. Palabiyik, I.M., Asan, D., Onur, F. Liquid Chromatographic and Spectrophotometric Determination of Diflucortolone Valerate and Chlorquinaldol in Creams. *Journal of Food and Drug Analysis*, 15 (2), 145 – 150, 2007
6. Palabiyik, I.M., Onur, F. The Simultaneous Determination of Phenylephrine Hydrochloride, Paracetamol, Chlorpheniramine Maleate and Dextromethorphan Hydrobromide in Pharmaceutical Preparations. *Chromatographia*, 66 (Supplement 1), 93-96, 2007
7. Palabiyik, I.M, Yardimci, C., Onur, F., Ozaltin, N. Simultaneous Spectrophotometric Determination of Ezetimibe and Simvastatin in Pharmaceutical Preparations Using Chemometric Techniques. *Quimica Nova*, 31(5), 1121-1125, 2008
8. Palabiyik, I.M., Onur, F. Simultaneous Spectrophotometric Determination of Pseudoephedrine Sulfate and Dexbrompheniramine Maleate in Pharmaceutical Preparations Using Partial Least Squares Regression, Principal Component Regression and Artificial Neural Networks. *Chemia Analytyczna*, 53(3), 401 – 417, 2008

9. Dragovic, S., Haghedooren, E., Nemeth, T., Palabiyik, I.M., Hoogmartens, J., Adams, E. Evaluation of Two Approaches To Characterise Liquid Chromatographic Columns Using Pharmaceutical Separations. *Journal of Chromatography A*, 1216(15), 3210 – 3216, 2009
10. Caglayan, M.G., Palabiyik, I.M., Onur, F. Development and Validation of Spectrophotometric and High-Performance Column Liquid Chromatographic Methods for the Simultaneous Determination of Dienogest and Estradiol Valerate in Pharmaceutical Preparations. *Journal of AOAC International*, 93 (3), 862- 868, 2010
11. Sokullu, E., Palabiyik, I.M., Onur, F., Boyaci, I.M. Chemometric Methods for Simultaneous Quantification of Lactic, Malic and Fumaric Acids. *Engineering in Life Sciences*, 10(4), 297 – 303, 2010
12. Palabiyik, I.M., Onur, F. 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. *Analytical Sciences*, 26(8), 853 – 859, 2010
13. Karacan, E., Caglayan, M.G., Palabiyik, I.M., Onur, F. Liquid Chromatographic and Spectrophotometric Determination of Diflucortolone Valerate and Isoconazole Nitrate in Creams. *Journal of AOAC International*, 94 (1), 128 – 135, 2011
14. Sanli, S., Palabiyik, I.M., Sanli, N., Seydim, Z., Alsancak, G. Optimization of the Experimental conditions for Macrolide Antibiotics in HPLC by using RSM and Determination of Tylosin in milk samples. *Journal of Analytical Chemistry* 66(9), 838 – 847, 2011
15. Palabiyik, I.M., Caglayan, M.G., Onur, F. Multivariate Optimization and Validation of a CE method for Simultaneous Analysis of Dorzolamide Hydrochloride and Timolol Maleate in Ophtalmic Solution. *Chromatographia*, 73(5-6), 541 – 548, 2011
16. Sanli, S., Palabiyik, I.M., Sanli, N., Seydim, Z., Alsancak, G. Optimization of the Experimental conditions for Macrolide Antibiotics in HPLC by using RSM and Determination of Tylosin in milk samples. *Journal of Analytical Chemistry* 66(9), 838 – 847, 2011
17. Palabiyik, I.M., Onur, F. Simultaneous Spectrophotometric and Liquid Chromatographic Determination of Dextromethorphan Hydrobromide, Phenylephrine Hydrochloride and Carbinoxamine Maleate in Pharmaceutical Preparations. *Journal of Analytical Chemistry* 67(1), 56 – 63, 2012

18. Palabiyik, I.M., Caglayan, M.G., Onur, F. 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. *Reviews in Analytical Chemistry*, 31(2), 107 – 112, 2012
19. Eryilmaz, M., Palabiyik, I.M. Hypochlorous Acid: Analytical Methods and Antimicrobial Activity. *Tropical Journal of Pharmaceutical Research*, 12(1), 123- 126, 2013
20. Caglayan, M.G., Palabiyik, I.M., Onur, F. Stability-Indicating Micellar Electrokinetic Chromatography Method for Determination of Finasteride in Pharmaceutical Preparations. *Journal of Liquid Chromatography & Related Technologies*, 36(6), 781-791, 2013
21. Palabiyik, I.M., Goker, E., Caglayan, M.G., Onur, F. Multivariate Optimization Model in a Partial Least Squares-1 Method for Simultaneous Determination of Dorzolamide Hydrochloride and Timolol Maleate in Eye Drops. *Current Pharmaceutical Analysis*, 9(4), 404-412, 2013
22. Aybaba, C., Palabiyik, I.M., Caglayan, M.G., Onur, F. Multivariate Optimization of Separation Conditions for Simultaneous Determination of Acemetacin and Chlorzoxazone by HPLC using Response Surface Methodology. *Journal of AOAC International*, 96(4), 723-729, 2013
23. Bakar, F., Caglayan, M.G., Onur, F., Nebioglu, S., Palabiyik, I.M. Gold Nanoparticle – Lignan Complexes Inhibited MCF-7 Cell Proliferation in vitro: A Novel Conjugation for Cancer Therapy. *Anti-Cancer Agents in Medicinal Chemistry*, 15(3), 336 – 344, 2015
24. Blanchart, B., Palabiyik, I.M., Gokbulut, A., Wang, M., Dai, Z., Wei, F., Ma, S., Adams, E., Schepdael, A. Bioanalytical LC/MS Study of Potential Bacterial Transglycosylation Inhibitors. *Journal of Pharmaceutical and Biomedical Analysis*, 127(SI), 123 – 128, 2016
25. Eryilmaz M., Gurpinar S.S., Palabiyik I.M., Guriz H., Gerceker D. Molecular Identification and Antimicrobial Activity of Vaginal *Lactobacillus* sp. *Current Pharmaceutical Biotechnology*, 19(15), 1241-1247, 2018
26. Memon, A. F., Palabiyik, I.M., Solangi, A.R., Memon, S.Q., Mallah, A.B. Large Volume Sample Stacking (LVSS) in Capillary Electrophoresis (CE) with Response Surface Methodology (RSM) for the Determination of Phenolics in Food Samples. *Analytical Letters*, 52(18), 2853 – 2867, 2019
27. Junejo, R., Memon, S., Palabiyik, I.M. Efficient Adsorption of Heavy Metal Ions Onto Diethylamine Functionalized Calix[4]Arene Based Silica Resin. *Eurasian Chemical Communications*, 2(7), 785 – 797, 2020

28. Memon, S.A., Hassan, D., Buledi, J.A., Solangi, A.R., Memon, S.Q., Palabiyik, I.M. Plant Material Protected Cobalt Oxide Nanoparticles: Sensitive Electro-Catalyst for Tramadol Detection. *Microchemical Journal*, 159, 105480, 2020
29. Khand, N.H., Palabiyik, I.M., Buledi, J.A., Ameen, S.A., Memon, A.F., Ghumro, T., Solangi, A. Functional Co<sub>3</sub>O<sub>4</sub> Nanostructure-Based Electrochemical Sensor For Direct Determination of Ascorbic Acid in Pharmaceutical Samples. *Journal of Nanostructure in Chemistry*, DOI: 10.1007/s40097-020-00380-8, Early Access Jan 2021.
30. Junejo, R., Jalbani, N.S., Memon, S., Kaya, S., Erkan, S., Serdaroglu, G., Palabiyik, I.M. Equilibrium, Thermodynamic, And Density Functional Theory Modeling Studies For The Removal of Dichromate Ions From Wastewater Using Calix[4]Arene Modified Silica Resin, *Journal of Chemical and Engineering Data*. 66(1), 379 – 388, 2021
31. Buledi, J.A., Pato, A.H., Kanhar, A.H., Solangi, A.R., Batool, M., Ameen, S., Palabiyik, I.M. Heterogeneous Kinetics of CuO nanoflakes in Simultaneous Decolorization of Eosin Y and Rhodamine B in aqueous media. *Applied Nanoscience*, 11(4), 1241 – 1256
32. Palabiyik, I.M., Dogan, A., Suslu, I. Simultaneous determination of amlodipine and irbesartan in their pharmaceutical formulations by square – wave voltammetry, *Combinatorial Chemistry & High Throughput Screen*, 2021, doi: 10.2174/1386207324666210121110819.
33. Buledi, J.A., Buledi, P.A., Batool, M., Solangi, A.R., Mallah, A., Ameen, S., Palabiyik, I.M., Maleh, H.K. Exploring Electrocatalytic Proficiencies of CuO Nanostructure For Simultaneous Determination of Betazone and Mexacarbate Pesticides, *Applied Nanoscience*, 11(6), 1889 – 1902, 2021

#### **Diğer İndeksli Dergilerdeki Yayınlar**

1. Palabiyik, I.M., Ustundağ, O., Dinc, E. And Onur, F. “Simultaneous spectrophotometric determination of paracetamol and methocarbamol in a pharmaceutical preparation using chemometric techniques”, *Turkish Journal of Pharmaceutical Sciences*, 1(1), 1-17, (2004).
2. Palabiyik, I.M., Dinc, E. and Onur, F. “Liquid chromatographic and spectrophotometric determination of triprolidine hydrochloride, acrivastine and pseudoephedrine hydrochloride in pharmaceutical preparations and human plasma”, *Analytical Chemistry: An Indian Journal*, 2(5-6), 199 – 211, (2006).

3. Palabiyik, I.M., and Onur, F. "Liquid chromatographic and spectrophotometric determination of ethinyl estradiol and levonorgestrel in pharmaceutical preparations", *Analytical Chemistry: An Indian Journal*, 3(2-3), 71 – 77, (2006).
4. Unal, K., Palabiyik, I.M., Karacan, E., and Onur, F. "Spectrophotometric determination of amoxicillin in pharmaceutical formulations", *Turkish Journal of Pharmaceutical Sciences*, 5(1), 1-17, (2008).
5. Kozan, I., Palabiyik, I.M., Karacan, E., and Onur, F. "Spectrophotometric and high performance liquid chromatographic determination of fexofenadine hydrochloride in pharmaceutical formulations", *Turkish Journal of Pharmaceutical Sciences*, 5(3), 175-189, (2008).
6. Ozbakan, H., Palabiyik, I.M., Çağlayan, M.G., Onur, F. "Spectrophotometric and liquid chromatographic determination of acetaminophen in pharmaceutical formulations", *Turkish Journal of Pharmaceutical Sciences*, 6(3), 163-176, (2009).
7. Palabiyik, I.M. "Multivariate optimization techniques for optimizing capillary electrophoretic method", *Pharmaceutica Analytica Acta*, 2(10), (2011).
8. Aybaba, C., Çağlayan, M.G., Palabiyik, I.M., Onur, F. "Spectrophotometric methods for determination of quetiapine hemifumarate in pharmaceutical preparations using bromocresol purple and bromocresol green", *Turkish Journal of Pharmaceutical Sciences*, 9(3), 301-310, (2013).
9. Baş, E., Özdemir, S., Çağlayan, M.G., Palabiyik, I.M., Onur, F. "First derivative spectrophotometric determination of cefixime and cefdinir in pharmaceutical preparations", *Turkish Journal of Pharmaceutical Sciences*, 10(3), 321-328, (2013).

### **Konferans Sunumları**

#### **Uluslararası Konferanslar**

1. "Simultaneous Spectrophotometric Analysis of Binary Mixtures of Pseudoephedrine Hydrochloride and Triprolidine Hydrochloride in Pharmaceutical Preparations Using Chemometric Methods" İsmail Murat PALABIYIK, Erdal DİNÇ, Feyyaz ONUR, 7. International Symposium on Pharmaceutical Sciences, 24 – 27 June 2003, Ankara, TURKEY



2. "Simultaneous Spectrophotometric Determination of Paracetamol and Methocarbamol in Pharmaceutical Preparations Using Chemometric Methods" İsmail Murat PALABIYIK, Özgür ÜSTÜNDAĞ, Erdal DİNÇ, Mehmet KILDIR Feyyaz ONUR, 7. International Symposium on Pharmaceutical Sciences, 24 – 27 June 2003, Ankara, TURKEY
3. "Simultaneous Determination of Phenazopyridine Hydrochloride and Nitrofurantoin in Pharmaceutical Preparations Using Liquid Chromatography and Chemometric Methods" İsmail Murat PALABIYIK, Feyyaz ONUR, 15th International Symposium on Pharmaceutical and Biomedical Analysis PBA2004, 2-6 May 2004, Florence, ITALY
4. "Determination of Ampicillin Trihydrate in Binary Mixture Using Chemometric Methods" İsmail Murat PALABIYIK, Feyyaz ONUR, 15th International Symposium on Pharmaceutical and Biomedical Analysis PBA2004, 2-6 May 2004, Florence, ITALY
5. "Simultaneous Spectrophotometric Analysis of Binary Mixtures of Pseudoephedrine Hydrochloride and Loratadine in Pharmaceutical Preparations Using Chemometric Techniques" İsmail Murat PALABIYIK, Feyyaz ONUR, 15th International Symposium on Pharmaceutical and Biomedical Analysis PBA2004, 2-6 May 2004, Florence, ITALY
6. "Simultaneous Spectrophotometric Analysis Of Binary Mixtures Of Pseudoephedrine Sulphate And Dexbrompheniramine Maleate In Pharmaceutical Preparations Using Chemometric Techniques" İsmail Murat PALABIYIK, Feyyaz ONUR, 4th Aegean Analytical Chemistry Days, 29 September - 3 October 2004, Kuşadası, Aydın, TURKEY
7. "Simultaneous Spectrophotometric Analysis of Binary Mixtures of Pseudoephedrine Hydrochloride with Acrivastine and Triprolidin Hydrochloride in Pharmaceutical Preparations Using PLS Method" İsmail Murat PALABIYIK, Feyyaz ONUR, Colloquium Spectroscopicum Internationale, 4 - 9 September 2005, Antwerp, BELGIUM
8. "Simultaneous Spectrophotometric Determination of Ethinyl Estradiol and Levonorgestrel in Pharmaceutical Preparations using Ratio Derivative Spectrometry and Liquid Chromatography" İsmail Murat PALABIYIK, Feyyaz ONUR, Colloquium Spectroscopicum Internationale, 4 - 9 September 2005, Antwerp, BELGIUM

9. "Liquid Chromatographic and Spectrophotometric Determination of Diflucortolone Valerate and Chlorquinaldol in a Pharmaceutical Preparation" İsmail Murat PALABIYIK, Feyyaz ONUR, Drug Analysis 2006, 16 – 19 May 2006, Namur, BELGIUM
10. "Simultaneous Spectrophotometric Determination of Atenolol and Chlortalidone in a Pharmaceutical Preparation Using Principal Component Regression Method" İsmail Murat PALABIYIK, Feyyaz ONUR, 8. International Symposium on Pharmaceutical Sciences, 13 – 16 June 2006, Ankara, TURKEY
11. "Development and Validation of a Gradient HPLC Method for Determination of Carbinoxamine Maleate and Phenylephrine HCl using an experimental design" İsmail Murat PALABIYIK, Feyyaz ONUR, ISC 2006, 21 – 25 August 2006, Copenhagen, DENMARK
12. "Optimization of The Experimental Conditions in a LC Method: A Multivariate Applications", İsmail Murat PALABIYIK, Feyyaz ONUR, HPLC 2007, 17 – 21 June 2007, Ghent, BELGIUM
13. "Monitoring and Analyzing of Granisetron Hydrochloride After Sterilization with  $\Gamma$ -Radiation in Combination with Solvent and Polymer by Using Spectrophotometry" Evren ALĞIN, İsmail Murat PALABIYIK, Tamer BAYKARA, Feyyaz ONUR, 4<sup>th</sup> Black Sea Basin Conference On Analytical Chemistry, 19 – 23 September 2007, Sunny Beach, BULGARIA
14. "Optimization of The Experimental Conditions in Capillary Electrophoresis A Multivariate Application" İsmail Murat PALABIYIK, Feyyaz ONUR, PBA 2008, 19th International Symposium on Pharmaceutical & Biomedical Analysis, 08-12 June 2008, Gdansk, POLAND
15. "Optimization of The Experimental Conditions in Capillary Electrophoresis by Response Surface Methodology" İsmail Murat PALABIYIK, Feyyaz ONUR, 6th Aegean Analytical Chemistry Days, AACD 2008, 09-12 October 2008, Denizli, TURKEY
16. "Optimization of The Experimental Conditions in Analytical Methods" İsmail Murat PALABIYIK, Feyyaz ONUR, 9th International Symposium on Pharmaceutical Sciences, ISOPS 2009, 23-26 June 2009, Ankara, TURKEY
17. "Determination Of Dissociation Constants Of Folinic Acid, 5-Fluorouracil And Irinotecan In Hydroorganic Media By Uv-Spectroscopic Method" Nurullah ŞANLI,

Senem ŞANLI, İ. Murat PALABIYIK, Güleren ALSANCAK, Euroanalysis 2009, 6-10 September 2009, Innsbruck, Austria.

18. "Multivariate Optimization of The Experimental Conditions in High Performance Liquid Chromatographic Method Using Response Surface Methodology" Çiğdem AYBABA, İsmail Murat PALABIYIK, M. Gökhan ÇAĞLAYAN, Feyyaz ONUR, ISC 2010, 12 -16 September 2010, Valencia, SPAIN
19. "Capillary Electrophoretic Determination of Timolol Maleate and Dorzolamide Hydrochloride in Eye Drops" M. Gökhan ÇAĞLAYAN, İsmail Murat PALABIYIK, Feyyaz ONUR, ISC 2010, 12 -16 September 2010, Valencia, SPAIN
20. "Usage of Multivariate Optimization Techniques in Capillary Electrophoresis" İsmail Murat Palabiyik, ITP 2011, 28-31 August 2011, Tbilisi, GEORGIA
21. Babaoglu, S., Palabiyik, I.M., Onur, F. "Using multivariate optimization of a spectrophotometric method for simultaneous determination of medroxyprogesterone acetate and estradiol valerate", 10th International Symposium on Pharmaceutical Sciences, 2012, Ankara, Türkiye, pp. 264, 2012
22. Goker, E., Palabiyik, I.M., Caglayan, M., Onur, F. "Simultaneous spectrophotometric determination of dorzolamide and timolol maleate using multivariate optimization", 10th International Symposium on Pharmaceutical Sciences, 2012, Ankara, Türkiye, pp. 271, 2012
23. Karademir, F., Caglayan, M.G., Palabiyik, I.M., Onur, F. "Response Surface Methodology in Optimization of HPLC Analysis of Fluoxetine and Olanzapine", HPLC 2013 39th International Symposium on High Performance Liquid Phase Separations and Related Technologies, Amsterdam, Hollanda, pp. 119, 2013,
24. Mehmet Gokhan Caglayan, İsmail Murat Palabiyik, Filiz Bakar, Serpil Nebioglu, Feyyaz Onur. "Synthesis and Characterization of Lignan  $\beta$ -Cd-AuNP Complexes", 6th Szeged International Workshop on Advances in Nanoscience, SIWAN6, Szeged, Macaristan, pp. 148, 2014
25. Bakar Filiz, Palabiyik İsmail Murat, Çağlayan Mehmet Gökhan, Ölgün Süreyya, Effects of newly synthesized indole derivatives on proliferation, apoptosis and MMP-2 expression of MCF-7 human breast adenocarcinoma cells, EACR Sponsored 3rd Anticancer Agent Development Congress, İzmir, 2015.
26. Bakar Filiz, Çağlayan Mehmet Gökhan, Kiliç Kurt Zühal, Palabiyik İsmail Murat, Ölgün Süreyya, The Effects Of Newly Synthesized Indole-3-Amine Derivatives

- On Mmp-2 Activity In Breast Cancer Cells, 26th International Symposium on Pharmacautical and Biomedical Analysis (PBA 2015), Tiflis, Gürcistan, 2015.
27. Can Esat, Onur Feyyaz, Palabiyik İsmail Murat, Çağlayan Mehmet Gökhan, Hülya Koyuncu, Simultaneous determination of amlodipine and rosuvastatin in human urine by LC-MS/MS method, 11th International Symposium on Pharmaceutical Sciences, Ankara, 2015.
28. Bakar Filiz, Çağlayan Mehmet Gökhan, Palabiyik İsmail Murat, Kiliç Kurt Zühal, Öngen Süreyya, Newly synthesized indole-3-imine-2-on derivatives inhibited MMP-9 mRNA expression of human breast cancer cells, 11th International Symposium on Pharmaceutical Sciences, Ankara, 2015.
29. Senem Şanlı, Nurullah Şanlı, İsmail Murat Palabiyik, Determination of Dissociation Constants of Some Anti-diabetic Drugs in Water by Capillary Electrophoresis, 10th Aegean Analytical Chemistry Days, 29 Eylül – 2 Ekim 2016, Çanakkale, Türkiye
30. İsmail Murat Palabiyik, Nuri Özmen, Mehmet Gökhan Çağlayan, Feyyaz Onur. “The Investigation of DNA Binding Profile of Gold Nanoparticle Bounds Lignan Species Called Lariciresinol Using Spectrophotometry and Spectrofluorimetry”, 3rd International Congress on Biosensors, Ankara, Türkiye, 5 – 7 Ekim, 2016.
31. M. ERYILMAZ, İ. M. PALABIYIK, D. GERÇEKER & S. S. GÜRPINAR, High Performance Liquid Chromatography Analysis Of Secondary Metabolites From Vaginal Lactobacillus Species, Sözlü Sunum, 12th International Symposium On Pharmaceutical Sciences, 26 Haziran 2018, 29 Haziran 2018.
32. M. ERYILMAZ, İ. M. PALABIYIK, D. GERÇEKER, A. KOÇ & S. S. GÜRPINAR, Effect Of Secondary Metabolites Of Lactobacillus Species Isolated From Vaginal Cultures On The Proliferation Of Hct 116 Colon Cancer Cells., Sözlü Sunum, 6th Congress Of The Microbiologists Of Macedonia With International Participation, And Fems Supported Symposium Entitled emerging Infections, 30 Mayıs 2018, 02 Haziran 2018.
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### **Katılım Gerçekleştirilen Kurslar**

- 1) Chemometry Summer School, Department of Chemistry, Faculty of Science and Literature, University of Uludag and TÜBİTAK, 30 June – 4 July 2003
- 2) LC-MS<sup>n</sup> (Ion Trap) & LC – MSD (Quadrupole) System Applying Workshop, TÜBİTAK – Ankara and Agilent Technologies, 14 – 18 February 2005
- 3) MATLAB Fundamentals and Programming Techniques, FIGES, Compute Simulation in Physics and Geometry A.S., Ankara, 08 – 09 March 2005
- 4) Acquity UPLC Seminar, Waters, Ankara, 23 March 2005
- 5) Advanced Proteome Analysis Methods and Proteomic Analysis with Mass Spectrometry, Institute of Biotechnology, University of Ankara, 24 – 26 October 2007