

ÖZGEÇMİŞ

- 1. Adı Soyadı:** İsmail Murat PALABIYIK
- 2. Doğum Tarihi:** 11.05.1978
- 3. Unvanı:** Doç. Dr.
- 4. Öğrenim Durumu:**

Derece	Alan	Üniversite	Yıl
Lisans	Eczacılık Fakültesi	Ankara Üniversitesi	1999
Y. Lisans	Temel Eczacılık Bilimleri Bölümü / Analitik Kimya	Ankara Üniversitesi	2003
Doktora	Temel Eczacılık Bilimleri Bölümü / Analitik Kimya	Ankara Üniversitesi	2008

5. Akademik Unvanlar:

Doçentlik Tarihi: Mart 2014

6. Yayınlar:

6.1. Uluslar arası hakemli dergilerde yayınlanan makaleler (SCI & SSCI & Arts and Humanities)

- Dinç, E., Palabiyık, İ.M., Üstündağ, Ö., Yurtsever, F. and 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).
- Dinç, E., Yücesoy, C., Palabiyık, İ.M., Üstündağ, Ö. And 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).
- Palabiyık, İ.M., Dinç, E. and 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).
- Palabiyık, İ.M. and Onur, F. “Liquid chromatographic and spectrophotometric determination of phenazopyridine hydrochloride, ampicilline trihydrate, and nitrofurantoin in pharmaceutical preparations” *Analytical Letters*, 37 (10), 2125-2150, (2004).

5. Palabıyık, İ.M., Asan, D. and 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. Palabıyık, İ.M. and 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. Palabıyık, İ.M., Yardımcı, C., Onur, F. and Özalpın, N. "Simultaneous spectrophotometric determination of ezetimibe and simvastatin in pharmaceutical preparations using chemometric techniques", *Quimica Nova*, 31(5), 1121-1125, (2008).
8. Palabıyık, İ.M. and 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., Hagedooren, E., Nemeth, T., Palabıyık, İ.M., Hoogmartens, J. and Adams, E. "Evaluation of two approaches to characterise liquid chromatographic columns using pharmaceutical separations", *Journal of Chromatography A*, 1216(15), 3210 – 3216, (2009).
10. Çağlayan, M.G., Palabıyık, İ.M. and 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., Palabıyık, İ.M., Onur, F. and Boyacı, İ.H. "Chemometric methods for simultaneous quantification of lactic, malic and fumaric acids", *Engineering in Life Sciences*, 10(4), 297 – 303, (2010).
12. Palabıyık, İ.M. and 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., Çağlayan, M.G., Palabıyık, İ.M. and 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. Palabıyık, İ.M., Çağlayan, M.G. and Onur, F. "Multivariate optimization and validation of a CE method for simultaneous analysis of dorzolamide hydrochloride and timolol maleate in ophthalmic solution", *Chromatographia*, 73(5-6), 541 – 548, (2011).
15. Şanlı, S., Palabıyık, İ.M., Şanlı, N., Seydim, Z. and 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).

16. Çağlayan, M.G., Palabıyık, İ.M., Bor, M. and Onur, F. “Optimisation and validation of a liquid chromatographic and partial least-squares-1 method for simultaneous determination of enalapril maleate and nitrendipine in pharmaceutical preparations”, *Chemical Papers*, 65(6), 754 – 760, (2011).
17. Palabıyık, İ.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. Palabıyık, İ.M., Çağlayan, 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. Eryılmaz, M., Palabıyık, İ.M. “Hypochlorous acid: Analytical methods and antimicrobial activity”, *Tropical Journal of Pharmaceutical Research*, 12(1), 123- 126, (2013).
20. Çağlayan, M.G., Palabıyık, İ.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. Palabıyık, İ.M., Göker, E., Çağlayan, 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, Ç., Palabıyık, İ.M., Çağlayan, 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., Çağlayan, M.G., Onur, F., Nebioglu, S., Palabıyık, İ.M. “Gold nanoparticle conjugated lignan derivatives inhibited the proliferation of MCF-7 human breast cancer cells”, *European Journal of Cancer*, 50(5), S178 – S179, Meeting abstract: 743, 2014.
24. Bakar, F., Çağlayan, M.G., Onur, F., Nebioglu, S., Palabıyık, İ.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).
25. Bart Blanchaert, Ismail Murat Palabıyık, Alper Gökbulut, Ming-Juan Wang, Zhong Dai, Feng Wei, Shuang-Cheng Ma, Erwin Adams, Ann Van Schepdael, “Bioanalytical LC/MS study of potential bacterial transglycosylation inhibitors”, *Journal of Pharmaceutical and Biomedical Analysis*, In Press, 2016.

6.2. Uluslararası diđer hakemli dergilerde yayınlanan makaleler

1. Palabıyık, İ.M., Üstündađ, Ö., Dinç, 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. Palabıyık, İ.M., Dinç, 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. Palabıyık, İ.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. Ünal, K., Palabıyık, İ.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, İ., Palabıyık, İ.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. Özbakan, H., Palabıyık, İ.M., Çađlayan, M.G., Onur, F. “Spectrophotometric and liquid chromatographic determination of acemetacin in pharmaceutical formulations”, Turkish Journal of Pharmaceutical Sciences, 6(3), 163-176, (2009).
7. Palabıyık, İ.M. “Multivariate optimization techniques for optimizing capillary electrophoretic method”, Pharmaceutica Analytica Acta, 2(10), (2011).
8. Aybaba, Ç., Çađlayan, M.G., Palabıyık, İ.M., Onur, F. “Spectrophotometric methods for determinatin of quetiapine hemifumarate in pharmaceutical preparations using bromcresol purple and bromcresol green”, Turkish Journal of Pharmaceutical Sciences, 9(3), 301-310, (2013).
9. Bađ, E., Özdemir, S., Çađlayan, M.G., Palabıyık, İ.M., Onur, F. “First derivative spectrophotometric determination of cefixime and cefdinir in pharmaceutical preparations”, Turkish Journal of Pharmaceutical Sciences, 10(3), 321-328, (2013).

6.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (Proceedings) basılan bildiriler:

1. Palabıyık, İ.M., Dinç, E. and Onur, F. “Simultaneous spectrophotometric analysis of binary mixtures of pseudoephedrine hydrochloride and triprolidine hydrochloride in pharmaceutical preparations using chemometric methods”, 7th International Symposium on Pharmaceutical Sciences (ISOPS-7), Ankara, pp. 166, 2003, posterli bildiri.

2. Palabıyık, İ.M., Üstündağ, Ö., Dinç, E., Kıldır, M. and Onur, F. "Simultaneous spectrophotometric determination of paracetamol and methocarbamol in pharmaceutical preparations using chemometric methods", 7th International Symposium on Pharmaceutical Sciences (ISOPS-7), Ankara, pp. 165, 2003, posterli bildiri.
3. Palabıyık, İ.M. and Onur, F. "Simultaneous determination of phenazopyridine hydrochloride and nitrofurantoin in pharmaceutical preparations using liquid chromatography and chemometric methods", 15th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2004), Floransa, Italy, pp. 163, 2004, posterli bildiri.
4. Palabıyık, İ.M. and Onur, F. "Determination of ampicillin trihydrate in binary mixture using chemometric methods", 15th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2004), Floransa, Italy, pp. 164, 2004, posterli bildiri.
5. Palabıyık, İ.M. and Onur, F. "Simultaneous spectrophotometric analysis of binary mixtures of pseudoephedrine hydrochloride and loratadine in pharmaceutical preparations using chemometric techniques", 15th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2004), Floransa, Italy, pp. 165, 2004, posterli bildiri.
6. Palabıyık, İ.M. and Onur, F. "Simultaneous spectrophotometric analysis of binary mixtures of pseudoephedrine sulphate and dexbrompheniramine maleate in pharmaceutical preparations using chemometric techniques", 4th Aegean Analytical Chemistry Days, Kuşadası, pp. 81-83, 2004, sözlü bildiri.
7. Palabıyık, İ.M. and Onur, F. "Simultaneous spectrophotometric analysis of binary mixtures of pseudoephedrine hydrochloride with acrivastine and triprolidin hydrochloride in pharmaceutical preparations using PLS method", Colloquium Spectroscopicum Internationale XXXIV, Antwerp, Belçika, pp. 334, 2005, posterli bildiri.
8. Palabıyık, İ.M. and Onur, F. "Simultaneous spectrophotometric determination of ethinyl estradiol and levonorgestrel in pharmaceutical preparations using ratio derivative spectrometry and liquid chromatography", Colloquium Spectroscopicum Internationale XXXIV, Antwerp, Belçika, pp. 335, 2005, posterli bildiri.
9. Palabıyık, İ.M. and Onur, F. "Liquid chromatographic and spectrophotometric determination of diflucortolone valerate and chlorquinaldol in a pharmaceutical preparation", Drug Analysis 2006, Namur, Belçika, pp. PK37, 2006, posterli bildiri.
10. Palabıyık, İ.M. and Onur, F. "Simultaneous spectrophotometric determination of atenolol and chlortalidone in a pharmaceutical preparation using principal component regression method", 8th International Symposium on Pharmaceutical Sciences (ISOPS-8), Ankara, pp. 283, 2006, posterli bildiri.
11. Palabıyık, İ.M. and Onur, F. "Optimization of the experimental conditions in a LC method: a multivariate applications", 31st International Symposium on High Performance

Liquid Phase Separations and Related Technologies (HPLC 2007), Ghent, Belçika, pp. 582, 2007, posterli bildiri.

12. Palabıyık, İ.M. and Onur, F. "Optimization of the experimental conditions in capillary electrophoresis a multivariate application", 19th International Symposium on Pharmaceutical & Biomedical Analysis (PBA 2008), Gdansk, Polonya, pp. 295, 2008, posterli bildiri.

13. Palabıyık, İ.M. and Onur, F. "Optimization of the experimental conditions in capillary electrophoresis by response surface methodology", 6th Aegean Analytical Chemistry Days (AACD 2008), Denizli, pp. 48, 2008, sözlü bildiri.

14. Çağlayan, M.G., Palabıyık, İ.M. and Onur, F. "Liquid chromatographic and spectrophotometric determination of dienogest and estradiol valerate in a pharmaceutical preparation", 6th Aegean Analytical Chemistry Days (AACD 2008), Denizli, pp. 166, 2008, posterli bildiri.

15. Palabıyık, İ.M. and Onur, F. "Optimization of the experimental conditions in analytical methods", 9th International Symposium on Pharmaceutical Sciences (ISOPS 2009), Ankara, pp. 104, 2009, sözlü bildiri.

16. Karacan, E., Palabıyık, İ.M. and Onur, F. "Liquid chromatographic determination of diflucortolone valerate and isoconazole nitrate in pharmaceutical preparations", 9th International Symposium on Pharmaceutical Sciences (ISOPS 2009), Ankara, pp. 153, 2009, posterli bildiri.

17. Çağlayan, M.G., Palabıyık, İ.M. and Onur, F. "Simultaneous spectrophotometric determination of estradiol valerate and dienogest in pharmaceutical preparations by principle component regression method", International Symposium on Pharmaceutical Sciences (ISOPS 2009), Ankara, pp. 154, 2009, posterli bildiri.

18. Aybaba, Ç., Çağlayan, M.G., Palabıyık, İ.M. and Onur, F. "Spectrophotometric Method for the determination of quetiapine in pharmaceutical preparations", International Symposium on Pharmaceutical Sciences (ISOPS 2009), Ankara, pp. 155, 2009, posterli bildiri.

19. Şanlı, S., Palabıyık, İ.M., Şanlı, N., Seydim, Z.B., Alsancak, G. "Optimization of the experimental conditions in high performance liquid chromatography by using response surface methodology for macrolide antibiotics", Euroanalysis 2009, Innsbruck, Avusturya, P129-A2, 2009, posterli bildiri

20. Şanlı, N., Şanlı, S., Palabıyık, İ.M. and Alsancak, G. "Determination of dissociation constants of folic acid, 5-fluorouracil and irinotecan in hydroorganic media by UV-spectroscopic method", Euroanalysis 2009, Innsbruck, Avusturya, P153-A2, 2009, posterli bildiri.

21. Aybaba, Ç., Çağlayan, M.G., Palabiyik, İ.M. and Onur, F. "Multivariate optimization of the experimental conditions in high performance liquid chromatographic method using response surface methodology", 28th International Symposium on Chromatography (ISC 2010), Valencia, İspanya, pp. P16-022, 2010, posterli bildiri.
22. Çağlayan, M.G., Palabiyik, İ.M. and Onur, F. "Capillary electrophoretic determination of timolol maleate and dorzolamide hydrochloride in eye drops", Valencia, İspanya, pp. P16-019, 2010, posterli bildiri.
23. Palabiyik, İ.M. "Usage of multivariate optimization techniques in capillary electrophoresis", 18th International Symposium on Electro- and Liquid Phase-separation Techniques (ITP 2011), Tbilisi, Gürcistan, YS5, 2011, sözlü bildiri (davetli konuşmacı).
24. Babaoğlu, S., Palabiyik, İ.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, posterli bildiri.
25. Göker, E., Palabiyik, İ.M., Çağlayan, 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, posterli bildiri.
26. Karademir, F., Çağlayan, M.G., Palabiyik, İ.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, posterli bildiri.
27. Mehmet Gohan Çağlayan, İsmail Murat Palabiyik, Filiz Bakar, Serpil Nebioğlu, Feyyaz Onur. "Synthesis and Characterization of Lignan β -Cd-AuNP Complexes", 6th Szeged International Workshop on Advances in Nanoscience, SIWAN6, Szeged, Macaristan, pp. 148, 2014, posterli bildiri.
28. 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 Pharmaceutical and Biomedical Analysis (PBA 2015), Tiflis, Gürcistan, 2015.
29. 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.
30. Bakar Filiz, Çağlayan Mehmet Gökhan, Palabiyik İsmail Murat, Kiliç Kurt Zühal, Ölgün 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.

6.4. Ulusal hakemli dergilerde yayınlanan makaleler

1. Palabıyık, İ.M., and Onur, F. “Bir farmasötik preparatta psödoefedrin sülfat ve loratadinin kemometrik teknikler kullanılarak aynı anda spektrofotometrik miktar tayinleri”, Ankara Üniversitesi Eczacılık Fakültesi Dergisi, 36(3), 171 – 182, (2007).

6.5. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

1. Palabıyık, İ.M., Dinç, E. and Onur, F. “Pseudoefedrin hidroklorür ve akrivastin’in bir farmasötik preparatta kemometrik yöntemler kullanılarak aynı anda miktar tayinleri”, I. Ulusal Analitik Kimya Kongresi, Bursa, pp. 79, 2002, posterli bildiri.

2. Palabıyık, İ.M., Dinç, E. and Onur, F. “Pseudoefedrin hidroklorür ve ibuprofenin bir farmasötik preparatta ikinci türev oran spektrofotometri ve kemometrik yöntemler kullanılarak aynı anda miktar tayinleri”, XVI. Ulusal Kimya Kongresi, Konya, pp.45, 2002, sözlü bildiri.

3. Çağlayan, M.G., Palabıyık, İ.M., Bor, M., Onur, F. “Nitrendipin ve enalapril maleat'ın farmasötik preparatlarda ters-faz sıvı kromatografi ve kısmi en küçük kareler-1 yöntemleriyle tayinleri”, VI. Ulusal Analitik Kimya Kongresi, Hatay, Türkiye, pp. 216, 2012, posterli bildiri.

6.6. Diğer Yayınlar:

1. Palabıyık, İ.M., Onur, F., “İlaç analizlerinde kullanılan metot optimizasyon teknikleri”, Eczacılıkta Yenilikler 2, 17-34, Ankara Üniversitesi Basımevi, Ankara, 2010.

6.7. Uluslararası Atıflar:

1) Atıf Sayısı: 187 (Web of Science)

2) Atıf Sayısı: 209 (Scopus)

7. Ulusal & Uluslararası Projeler

1. Altın Nanoparçacık Bağlanmış Pinoresinol, Lariciresinol ve Secoisolariciresinol Lignan Türlerinin DNA'ya Bağlanma Profillerinin ve Anti-Kanser Etkilerinin Araştırılması. TÜBİTAK Projesi, Proje Yürütücüsü, 112S591, 2013.

2. Sentezlenmiş İndol-3-amin, İndolin-2-tiyon ve İndol-3-imin-2-on Türevi Bileşiklerin Matriks Metalloproteinaz Enzim İnhibitörü Etkilerinin İncelenmesi. TÜBİTAK, 113S254, Araştırmacı, 2013.

3. Bazı Antidiabetik İlaçların Eş Zamanlı Tayini İçin Kapiler Elektroforez Yönteminin Optimizasyonu. Uşak Üniversitesi BAP, UBAP-01, 2014/MF008, Araştırmacı, 2014.

8. İdari Görevler:

Ankara Üniversitesi Eczacılık Fakültesi Fakülte Kurulu Üyeliği (2014 -)

9. Bilimsel ve Mesleki Kuruluşlara Üyelikler:

FABAD Farmasötik Bilimler Ankara Derneği

10. Ödüller :

1. TÜBİTAK – BİDEB, Yüksek Lisans Bursu
2. TÜBİTAK – BİDEB, Doktora Bursu
3. Doktora Tez Yayın Ödülü, Ankara Üniversitesi