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Eğitim:

Lisans: Orta Doğu Teknik Üniversitesi, Kimya Öğretmenliği (Lisansla birleştirilmiş tezsiz yüksek lisans programı), 2000- 2005.

Yüksek Lisans: Ankara Üniversitesi Eczacılık Fakültesi Analitik Kimya Anabilim Dalı 2007-2009

Doktora: Ankara Üniversitesi Eczacılık Fakültesi Analitik Kimya Anabilim Dalı 2009- 2014

Mesleki Deneyim:

Araştırma Görevlisi Ankara Üniversitesi Eczacılık Fakültesi Analitik Kimya Anabilim Dalı Ocak 2008-

Doktora Sonrası Araştırmacı: Bowling Green State University, Fotokimyasal Bilimler Merkezi, Haziran 2015 – Haziran 2016

Çalışma Alanları

1. İlaç analizleri (Ayrırma teknikleri ve spektroskopik teknikler)
2. Metal nanoparçacık bazlı spektroskopik sensor sentezi ve uygulamaları (Floresans, UV absorpsiyon ve Raman spektroskopisi)
3. Kimyasal sensor sentezi ve çok değişkenli analiz yöntemleriyle değerlendirilmesi
4. Analitik metot geliştirme-optimizasyon teknikleri ve metot validasyonları

Araştırma Destekleri

1. Ankara Üniversitesi BAP, Araştırmacı, Amnoglikozidlerin sütte ve farmasötik preparatlarda metalle güçlendirilmiş floresans yöntemiyle tayinleri Şubat 2014- Ocak 2015, Ankara Türkiye

2. TÜBİTAK 1001 Projesi, Araştırmacı, Altın nanoparçacık bağlanmış lignan türlerinden pinoresinol, lariciresinol ve secoisolariciresinolün DNA'ya bağlanma profilleri ve antikanser özelliklerinin incelenmesi- Mart 2013 – Mart 2015, Ankara Türkiye
3. TÜBİTAK 2219 Doktora Sonrası Araştırma Bursu- Çapraz reaktif sensor dizilerinin dizaynı ve çok değişkenli analiz yöntemleriyle değerlendirilmeleri- Haziran 2015- Haziran 2016 Ohio, ABD

Yayın Listesi

1. Ali Akdeniz, Mehmet Gokhan Caglayan, Pavel Anzenbacher Jr (2016) Tri-serine tri-lactone scaffold for quantification of citrate in urine, *Chemical Communications*, **52**, 1827-1830, DOI: 10.1039/C5CC08759G
2. Mehmet Gokhan Caglayan, Hilal Torul, Feyyaz Onur, Ugur Tamer (2015) SERS based assays for sensitive detection of modafinil, *Journal of Raman Spectroscopy*, accepted.
3. Mehmet Gokhan Caglayan, Feyyaz Onur (2015) A metal-enhanced fluorescence study of primary amines: determination of aminoglycosides with europium and gold nanoparticles, *Analytical Methods*, **7**, 1407-1414, DOI: 10.1039/C4AY02957G.
4. Filiz Bakar, Mehmet Gokhan Caglayan, Feyyaz Onur, Serpil Nebioglu, İsmail Murat Palabıyık (2015) Gold Nanoparticle - Lignan Complexes Inhibited MCF-7 Cell Proliferation In Vitro : A Novel Conjugation For Cancer Therapy. *Anticancer Agents in Medicinal Chemistry*, **15**, 336-344 DOI: 10.2174/1871520614666141202144152.
5. Anara Amanova, Zeynep Kendi Celebi, Filiz Bakar, Mehmet Gokhan Caglayan and Kenan Keven (2014) Colchicine Levels in Chronic Kidney Diseases and Kidney Transplant Recipients using Tacrolimus. *Clinical Transplantations*, **28**(10):1177-1183, DOI: 10.1111/ctr.12448
6. Mehmet Gokhan Caglayan, Feyyaz Onur (2014) Silver nanoparticles based analysis of aminoglycosides. *Spectroscopy Letters*, **47**, 771-780 DOI: 10.1080/00387010.2013.845577.
7. İsmail Murat Palabıyık, Ece Goker, Mehmet Gokhan Caglayan, and Feyyaz Onur (2013) 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, DOI: 10.2174/1573412911309040008.
8. Cigdem Aybaba, Ismail Murat Palabiyik, Mehmet Gokhan Caglayan, Feyyaz Onur (2013) Multivariate optimization of separation conditions for simultaneous determination of acetaminophen and chlorzoxazone by hplc using response surface methodology, *Journal of AOAC International*, 96(4), 723-729, DOI: 10.5740/jaoacint.11-092.
 9. Mehmet Gokhan Caglayan, İsmail Murat Palabiyik, Feyyaz Onur (2012) Stability-indicating micellar electrokinetic chromatography method for determination of finasteride in pharmaceutical preparations. *Journal of Liquid Chromatography and Related Technologies*, 36(6), 781-791, DOI: 10.1080/10826076.2012.673214.
 10. Ismail Murat Palabiyik, Mehmet Gokhan Caglayan, Feyyaz Onur (2012) 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), DOI 10.1515/revac-2011-0013.
 11. Elif Karacan, Mehmet Gokhan Caglayan,, Ismail Murat Palabiyik, Feyyaz Onur (2011) Liquid chromatographic and spectrophotometric determination of diflucortolone valerate and isoconazole nitrate in creams. *Journal of AOAC International*, 94(1), 128-135.
 12. Ismail Murat Palabiyik, Mehmet Gokhan Caglayan and Feyyaz Onur (2011) 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, DOI: 10.1007/s10337-010-1901-6.
 13. Mehmet Gokhan Caglayan,, Ismail Murat Palabiyik, Mustafa Bor, Feyyaz Onur (2011) .Optimisation and validation of liquid chromatographic and partial least-squares-1 methods for simultaneous determination of enalapril maleate and nitrendipine in pharmaceutical preparations. *Chemical Papers*, 65(6), 754-760, DOI: 10.2478/s11696-011-0078-2.
 14. Mehmet Gokhan Caglayan,, Ismail Murat Palabiyik, Feyyaz Onur (2010) 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.
15. Hakan Ozbakan, Ismail Murat Palabiyik, Mehmet Gokhan Caglayan,, Feyyaz Onur (2009) Spectrophotometric and Liquid Chromatographic Determination of Acemetacin in Pharmaceutical Formulations, *Turkish Journal of Pharmaceutical Sciences*, 6(3), 163 - 176.
 16. Cigdem Aybaba, Mehmet Gokhan Caglayan, Ismail Murat Palabiyik, Feyyaz Onur (2012) Spectrophotometric methods for determination of quetiapine hemifumarate in pharmaceutical preparations using bromcresol purple and bromcresol green, *Turkish Journal of Pharmaceutical Sciences* 9(3), 301-310.
 17. Erhan Bas, Serap Ozdemir, Mehmet Gokhan Caglayan, Ismail Murat Palabiyik, Feyyaz Onur (2013) First derivative spectrophotometric determination of cefixime and cefdinir in pharmaceutical preparations, *Turkish Journal of Pharmaceutical Sciences* 10(3), 321-328.

Konferans Sunumları

International Conferences

1. Mehmet Gokhan CAGLAYAN, Ismail Murat PALABIYIK, Feyyaz ONUR, “Liquid chromatographic and spectrophotometric determination of dienogest and estradiol valerate in a pharmaceutical preparation” 6th Aegean Analytical Chemistry Days, AACD 2008, 09-12 October 2008, Denizli, Türkiye
2. M.G. Çağlayan, İ.M. Palabiyık, F. Onur “Simultaneous spectrophotometric determination of estradiol valerate and dienogest in pharmaceutical preparations by principle component regression method”, International Symposium on Pharmaceutical Sciences 9th, 23-26 June 2009, Ankara, Türkiye
3. Ç. Aybaba, M.G. Çağlayan, İ.M. Palabiyık, F. Onur, “Spectrophotometric method for determination of quetiapine in pharmaceutical preparations” International Symposium on Pharmaceutical Sciences 9th, 23-26 June 2009, Ankara, Türkiye
4. Cigdem AYBABA, Ismail Murat PALABIYIK, M. Gokhan CAGLAYAN, Feyyaz ONUR, “Multivariate Optimization of The Experimental Conditions in High

Performance Liquid Chromatographic Method Using Response Surface Methodology” ISC 2010, 12 -16 September 2010, Valencia, İspanya

5. M. Gokhan CAGLAYAN, Ismail Murat PALABIYIK, Feyyaz ONUR, “Capillary Electrophoretic Determination of Timolol Maleate and Dorzolamide Hydrochloride in Eye Drops” ISC 2010, 12 -16 September 2010, Valencia, İspanya
6. M. Gokhan CAGLAYAN, Ismail Murat PALABIYIK, Feyyaz ONUR, “Stability-indicating micellar elektrokinetic chromatography method for determination of finasteide in pharmaceutical preparations” 36thInternational Symposium on Capillary Chromatography, 27 May – 1 June 2012, Riva del Garda, İtalya
7. M. Gokhan CAGLAYAN, Ismail Murat PALABIYIK, Mustafa BOR, Feyyaz ONUR, “Determination of nitrendipine and enalapril maleate in pharmaceuticals by reversed-phase HPLC and PLS-1” National Analytical Chemistry Congress, 03-07 September 2012, Hatay, Türkiye
8. Fatih KARADEMİR, M. Gokhan CAGLAYAN, Ismail Murat PALABIYIK, Feyyaz ONUR, “Response surface methodology in optimization of hplc analysis of fluoxetine and olanzapine” HPLC 2013, 16-20 September 2013, Amsterdam, Hollanda.
9. M. Gokhan CAGLAYAN, Feyyaz ONUR, “Silver nanoparticle sensor for detection of aminoglycosides in milk” FIP World Congress 2013, 30 August – 05 September 2013, Dublin, İrlanda.
10. Anara Amanova, Zeynep Kendi Celebi, Filiz Bakar, Mehmet Gokhan Caglayan, Kenan Keven, “Colchicine levels in chronic kidney diseases and kidney transplant recipients using tacrolimus” 51th ERA – EDTA Congress, May 31- June 3 2014, Amsterdam, Hollanda.

Dergi Hakemlikleri

1. Arabian Journal of Chemistry
2. Journal of Analytical Methods in Chemistry
3. Journal of AOAC International
4. Journal of Liquid Chromatography & Related Technologies
5. Luminescence: The Journal of Biological and Chemical Luminescence
6. Pharmaceutica Analytica Acta

7. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy
8. Talanta
9. Turkish Journal of Pharmaceutical Sciences