

Kişisel Akademik Bilgiler

Prof. Dr. Sibel Aysıl Ozkan

Doğum Tarihi ve Yeri: 12 Ekim 1964; ANTAKYA-TURKEY

Medeni Hali: Evli, 1 çocuk sahibi

AKADEMİK DURUMU

1985: Lisans, Ankara Üniversitesi Eczacılık Fakültesi

1988: Yüksek Lisans, Ankara Üniversitesi Eczacılık Fakültesi, Analitik Kimya Abd.

1994: Doktora, Ankara Üniversitesi Eczacılık Fakültesi, Analitik Kimya Abd.

1997: Doçent, Ankara Üniversitesi Eczacılık Fakültesi, Analitik Kimya Abd.

2003-Devam Etmekte: Profesör, Ankara Üniversitesi Eczacılık Fakültesi, Analitik Kimya Abd.

Akademik İlgi Alanları: Elektrokimya, LC yöntemleri, Dozaj formlardan ve biyolojik sıvılardan ilaç analizleri, Elektrokimyasal Biyosensörler, DNA-Biosensörleri, Enzim Biyosensörleri, Spektrofotometri, Kapiler Elektroforez, Yöntem Geliştirme ve Validasyonu

DOKTORA SONRASI ÇALIŞMALAR

1986 - Ankara Üniversitesi Eczacılık Fakültesi,

Eylül-Aralık 1995 Araştırmacı (Prof. JM. KAUFFMANN ile çalışma) ULB, Brüksel-BELÇİKA.

Ekim- Aralık 1996 Araştırmacı (Prof. JM. KAUFFMANN ile çalışma) ULB, Brüksel-BELÇİKA.

ULUSLARARASI DERGILERDEKI EDITORLUK/YARDIMCI EDITORLUKLERI

-BENTHAM SCIENCE PUBLISHERS, Current Pharmaceutical Analysis- Avrupa Bölge Editörü, 2015

-SPRINGER, Chromatographia, “Application of Separation Techniques in Turkey”, Misafir Editör, 2007.

-SPRINGER, Chromatographia, “New Developments for the Sensitive and Validated Drug Analysis Using Chromatographic Methods” Misafir Editör, 2012.

-BENTHAM SCIENCE PUBLISHERS, Combinatorial Chemistry & High Throughput Screening, “Present applications of analytical methods: prospects for high throughput screening of pharmaceutically active compounds (3 parts)”, Misafir Editor, 2010.

-BENTHAM SCIENCE PUBLISHERS, The Open Chemical And Biomedical Methods Journal, “Nanosized Analytical Devices For Biomedical And Pharmaceutical Applications”, Misafir Editör, 2010.

-HINDAWI PUBLISHING CORPORATION, Chromatography Research International “Analytical method development and validation of pharmaceutical analysis using chromatographic techniques”, Misafir Editor, 2012

-HINDAWI PUBLISHING CORPORATION, Journal of Analytical Methods In Chemistry: Editör, 2011-

ULUSLARARASI DERGILERDEKI BILIMSEL KOMİTE UYELIKLERI

1- TALANTA, 2010-

2- CHROMATOGRAPHIA,2003-

3- JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, 2013-

- 4- THE OPEN ANALYTICAL CHEMISTRY JOURNAL, 2008-
- 5- GLOBAL JOURNAL OF ANALYTICAL CHEMISTRY, 2009-
- 6- CURRENT DRUG THERAPY, 2010-
- 7- THE OPEN CHEMICAL AND BIOMEDICAL METHODS JOURNAL, 2011-
- 8- FABAD, 2000-2002; 2004-
- 9- JOURNAL OF ANALYTICAL METHODS IN CHEMISTRY, 2011-
- 10- JOURNAL OF HACETTEPE UNIVERSITY, FACULTY OF PHARMACY, 2004-2015
- 11- JOURNAL OF ANALYTICAL AND PHARMACEUTICAL CHEMISTRY
- 12- THE OPEN CHEMICAL AND BIOMEDICAL METHODS JOURNAL
- 13- THE JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES, 2015-
- 14- INTERNATIONAL JOURNAL OF MODERN ANALYTICAL CHEMISTRY, 2015-

ÜYE OLUNAN BİLİMSEL KURULUŞLAR

-FABAD Farmasötik Bilimler Ankara Derneği

-Türk Eczacıları Birliği

-Türk Kimya Derneği

-Ankara Ecza Odası

ÖDÜLLER

1. **Ankara Üniversitesi Teşvik Ödülü, 2003.**
2. **Türk Eczacılık Birliği, Eczacılar Akademisi Bilim Ödülü, 2008.**
3. **Ord. Prof. Dr. İlhami Cıvaoğlu Poster Sunum Ödülü, 9. International Electrochemistry Meeting, Sevinç Tunçağıl, Mehmet Gumustas, Burçin Bozal, Bengi Uslu, Sibel A. Özkan, Electrochemical Behavior of Epirubicin at Boron-Doped Diamond Electrode and Its Determination in the Presence of Surfactants, 2011.**
4. **En iyi Sözlü Sunum Ödülü, Sevinc Kurbanoglu, Carmen C. Mayorga-Martinez, Mariana Medina, Lourdes Rivas, Sibel A. Ozkan, Arben Merkoçi “Electrochemical nanobiosensors for the dual catalytic/inhibition based biosensing of methimazole and catechol” at the 2nd International Conference on Analytical Chemistry. Analytical Chemistry for a Better Life. Targoviste, September 17-21, 2014.**
5. **En iyi Poster Ödülü, Mehmet Gumustas, Gokce Cosgun Abbasoglu, Sibel A. Ozkan “A comparative determination study of repaglinide by HPLC, UPLC and electrochemical methods” at the 2nd International Conference on Analytical Chemistry. Analytical Chemistry for a Better Life. Targoviste, September 17-21, 2014.**

DANIŞMANLIKLAR

Birçok uluslararası dergide hakemlikler: Talanta, Chromatographia, Journal of Pharmaceutical and Biomedical Analysis, Analytical Letters, Analytica Chimica Acta, Analytical Biochemistry, Electrochimica Acta, Journal of Chromatography A, Journal of Chromatography B, Biosensors&Bioelectronics, Sensor&Actuator B, etc.

YURT İÇİ ve YURT DIŞI BİLİMSEL ORTAKLIKLAR

- 1) **Prof. Dr. Petr Zuman, Clarkson University, Department of Chemistry**
- 2) **Prof. Dr. Jean-Michel Kauffmann, University Libre de Bruxelles, Institute de Pharmacy**
- 3) **Assoc. Prof. Dr. Henk Lingeman, Vrije Universiteit, Faculty of Sciences**
- 4) **Prof. Dr. Bezhan Chankvetadze, I. Javakhishvili Tbilisi State University, Chief of the Trend of Physical Chemistry, Faculty of Exact and Natural Sciences**
- 5) **Prof. Dr. Hassan Y. Aboul-Enein, University of Sharjah, College of Pharmacy**
- 6) **Prof. Dr. Emil Palecek, Academy of Sciences of the Czech Republic, Institute of Biophysics**
- 7) **Prof. Dr. Arben Merkoçi, Catalan Institute of Nanoscience and Nanotechnology Barcelona**
- 8) **Prof. Dr. Ana-Oliveira Brett, Departamento de Química Universidade de Coimbra**
- 9) **Prof. Dr. Christopher Brett, Departamento de Química Universidade de Coimbra**
- 10) **Prof. Dr. Slawomira Skrzypek, University of Lodz, Department of Instrumental Analysis**
- 11) **Prof. Dr. Karel Vytras, University of Pardubice, Department of Analytical Chemistry**
- 12) **Prof. Dr. M. Asunción Alonso Lomillo, Universidad de Burgos, Facultad de Ciencias, Departamento de Química**
- 13) **Prof. Bengi Uslu, Ankara University, Faculty of Pharmacy, Department of Analytical Chemistry**
- 14) **Prof. Dr. Sibel Süzen, Ankara University, Faculty of Pharmacy, Department of Pharmaceutical Chemistry**
- 15) **Prof. Dr. Zuhre Senturk, Van Yuzuncu Yil University, Faculty of Art and Science**

16) Prof. Dr. Guleren Alsancak, Suleyman Demirel University, Faculty of Art and Science

17) Assoc. Prof. Dr. Aysegul Golcu, Sutcu Imam University, Faculty of Art and Science

ULUSAL VE ULUSLARARASI KONGRE BİLİM KURULU ÜYELİKLERİ

1. 4th Conference on Recent Trends in Instrumental Methods of Analysis, 29-31, Ekim, 2010, Hindistan.

2. 2. Uygulamalı Elektrokimya Lisansüstü Yaz Okulu, 19-22 Haziran 2012, Çanakkale.

3. 1st International Conference on Analytical Chemistry, 15-21 Eylül 2012, Targoviste, ROMANIA

4. 7. Ulusal Analitik Kimya Kongresi, 1-5 Eylül 2014, Kahramanmaraş.

5. 2nd International Conference on Analytical Chemistry, 16-22 Eylül 2014, Targoviste, ROMANIA

6. 15. Ulusal Kromatografi Kongresi, 8-10 Nisan 2015, Uşak.

7. 11 th International Electrochemistry Meeting, 7-11 Eylül 2015, Van, Türkiye

SOSYAL GÖREVLER

1. Ankara Üniversitesi, Eczacılık Fakültesi, ISOPS Sosyal Komite Üyesi, 1989 – 2003.

2. Ankara Üniversitesi, Eczacılık Fakültesi, ISOPS-8 Sekreterliği

IDARI GÖREVLER

1. Ankara University, Faculty of Pharmacy, Department of Basic Pharmaceutical Sciences Assistant

2. Rector Assistant, 2012-.

ÇAĞRILI KONUŞMALAR

1. 8. National Chromatography Congress, 9-11 June 2008, Isparta, Turkey

2. 9. International Electrochemistry Congress, 25-29 September 2011, Izmir, Turkey

3. 2. Applied Electrochemistry Summer School, 19-22 June 2012, Çanakkale, Turkey

4. 1. International Conference on Analytical Chemistry, 18-21 September 2012, Targoviste, Romania

5. Symposium of the Analytical Division of SPQ-2014, 14-15 April 2014, Coimbra, Portugal

6. 2. International Conference on Analytical Chemistry, 16-22 September 2014, Targoviste, Romania

7. 15. National Chromatography Congress, 8-10 April 2015, Uşak.

KİTAP & KİTAP BÖLÜMLERİ

International

1. S.A. Özkan, Electroanalytical Methods in Pharmaceutical Analysis and Their Validation. HNB Pub., USA, ISBN: 978-0-9664286-7-4, 2012. Editor. Author Chapters 1-9.

Ulusal

1. B. Dođan-Topal, S.A. Ozkan, B. Uslu, *Eczacılıkta Yenilikler 2*, “DNA biyosensörlerinin ilaç analizinde kullanımı” Ankara Üniversitesi Eczacılık Fakültesi Yayın No: 99, Ankara Üniversitesi Yayınları No. 284, ISBN: 978-975-482-918-1, 2010.
2. B. Uslu, M. Gümüştaş, A. Savaşer, Y. Özkan, S.A. Ozkan, *Sözlük Dergisi*, 3 (2), *Analiz terimleri sözlüğü*, 2012. ISSN: 1308-1500
3. S.A. Ozkan, Mehmet Gumustas, Sevinc Tuncagil, *2. Uygulamalı Elektrokimya Lisansüstü Yaz Okulu: Elektrokimyasal analizlerde analitik yöntem optimizasyonu ve validasyonu*, Gökçel, İ. (Ed.), 95-118, 2012.
4. Sevinc Tuncagil, Mehmet Gumustas, S.A. Ozkan, *2. Uygulamalı Elektrokimya Lisansüstü Yaz Okulu: Anti Parkinson ilaç etken maddesi L-Dopa'nın elektrokimyasal analizi ve validasyonu*, Gökçel, İ.(Ed.), 263-275, 2012.
5. Lütfi Genç, *Kromatografik Sistemler*, S.A. Ozkan, *Sıvı Kromatografik Yöntemlerin Analitik Validasyon İşlemleri ve İlgili Parametreleri*, Anadolu Üniversitesi Basımevi Tesisleri, 2011
6. Lütfi Genç, *Kromatografik Sistemler*, Mehmet Gümüştaş, S.A. Ozkan, *Elektrokimyasal dedektörlü Yüksek Performanslı Sıvı Kromatografisi*, Anadolu Üniversitesi Basımevi Tesisleri, 2011
7. S.A. Ozkan, *İlaçların Analiz ve kalite Kontrollerinde Kullanılan Analitik Yöntemlerin Geçerliliği (Validasyon)*, Gülhane Askeri Tıp Akademisi Basımevi 06018 Etlik, Ankara, 2011
8. *Analitik Kimya Laboartuvar Föyü; 2. Kantitatif Analiz*, Prof.Dr.Feyyaz ONUR, Prof.Dr.Inci BIRYOL, Assoc. Prof. Dr. Cem YÜCESOY, Assoc. Prof. Dr. Nevin ERK, Assoc. Prof. Dr. A.Sibel ÖZKAN, Dr.Saadet DERMİS, Dr.Erdal DİNC,

Res. Ass. Bengi USLU, Res. Ass.Niyazi YILMAZ, Ankara Üniversitesi Eczacılık Fakültesi Yayınları No. 80, Ank.Üniv.Basımevi, 1999, (ISBN NO: 975-482-476-2)

Yayınlar:

- 1) Yücesoy, C., Onur, F., Özkan, S., Sularda nitrat tayininde kullanılan spektrofotometrik yöntemlerin karşılaştırılması. *FABAD Journal of Pharmaceutical Sciences*, 14(4), 216-223, 1990.
- 2) Özkan, S., Biryol, İ., Voltammetric determination of α -methyl dopa. *FABAD Journal of Pharmaceutical Sciences*, 15(2), 97-106, 1990.
- 3) Biryol, İ., Özkan, S., Electrooxidation of levodopa on platinum and ruthenium electrodes. *Turkish Journal of Chemistry*, 17(4), 245-251, 1993.
- 4) Özkan, S., Biryol, İ., Sıyırma voltametri. *FABAD Journal of Pharmaceutical Sciences*, 18, 41-49, 1993.
- 5) Biryol, İ., Özkan, S., Kabasakaloğlu, M., Investigation of 5-hydroxytryptophol electrooxidation. *Portugaliae Electrochimica Acta*, 12, 95-104, 1994.
- 6) Özkan, S., Biryol, İ., Şentürk, Z., An activation method for glassy carbon electrode. *Turkish Journal of Chemistry*, 18(1), 34-40, 1994.
- 7) Ozkan, S., Biryol, I., Determination of haloperidol in pharmaceutical dosage forms by reduction in a specially activated glassy carbon electrode. *S.T.P. Pharma Sciences*, 5(4), 347-350, 1995.
- 8) Biryol, İ., Özkan, S., Şentürk, Z., Determination of levodopa in tablets based on voltammetric oxidation at platinum and glassy carbon electrodes. *Acta Poloniae Pharmaceutica*, 52(5), 365-371, 1995.
- 9) Özkan, S.A., Şentürk, Z., Study on determination of clozapine by voltammetry. *Analisis*, 24(3), 73-75, 1996.
- 10) Boutakhrif, K., Quarin, G., Özkan, S.A., Kauffmann, J.-M., Determination of tin (II) in pharmaceuticals by amperometric oxidation after complexation with tropolone. *Electroanalysis*, 8 (8-9), 789-794, 1996.
- 11) Şentürk, Z., Özkan, S.A., Uslu, B., Biryol, I., Anodic voltammetry of fluphenazine at different solid electrodes. *Journal of Pharmaceutical and Biomedical Analysis*, 15(3), 365-370, 1996.
- 12) Uslu, B., Biryol, İ., Özkan, S.A., Şentürk, Z., Voltammetric determination of promethazine by platinum and glassy carbon electrodes. *Turkish Journal of Chemistry*, 20, 323-328, 1996.
- 13) Şentürk, Z., Özkan, S.A., Determination of furazolidone in tablets by reduction at activated glassy carbon electrode. *Acta Poloniae Pharmaceutica-Drug Research*, 54(3), 243-245, 1997.
- 14) Biryol, I., Özkan, S.A., Voltammetric determination of droperidol and benperidol. *Journal of Pharmaceutical and Biomedical Analysis*, 15 (11), 1695-1701, 1997.
- 15) Ozkan, S.A., Voltammetric determination of tinidazole of tablets. *Analisis*, 25(4), 130-131, 1997.

- 16) Özkan, S.A., Şentürk, Z., Biryol, I., Determination of ornidazole in pharmaceutical dosage forms based on reduction at an activated glassy carbon electrode. *International Journal of Pharmaceutics*, 157(2), 137-144, 1997.
- 17) Biryol, İ., Şentürk, Z., Özkan, S.A., Dermiş, S., Uslu, B., Voltammetric determination of some phenothiazines using glassy carbon electrode. *Portugaliae Electrochimica Acta*, 15, 5-15, 1997.
- 18) Şentürk, Z., Özkan, S.A., Özkan, Y., Electroanalytical study of nifedipine using activated glassy carbon electrode. *Journal of Pharmaceutical and Biomedical Analysis*, 16(5), 810-807, 1998.
- 19) Özkan, S.A., Özkan, Y., Şentürk, Z., Electrochemical reduction of metronidazole at activated glassy carbon electrode and its determination in pharmaceutical dosage forms. *Journal of Pharmaceutical and Biomedical Analysis*, 17(2), 299-305, 1998.
- 20) Yılmaz, N., Özkan, S.A., Uslu, B., Şentürk, Z., Biryol, I., Determination of terbutaline based on oxidation by voltammetry. *Journal of Pharmaceutical and Biomedical Analysis*, 17(2), 349-355, 1998.
- 21) Yılmaz, N., Özkan, S.A., Uslu, B., Şentürk, Z., Biryol, I., Voltammetric determination of salbutamol based on electrochemical oxidation at platinum and glassy carbon electrodes. *Turkish Journal of Chemistry*, 22(2), 175-182, 1998.
- 22) Özkan, S.A., Erk, N., Şentürk, Z., Simultaneous determination of two-component mixtures in pharmaceutical formulations containing chlordiazepoxide by ratio spectra derivative spectrophotometry. *Analytical Letters*, 32(3), 497-520, 1999.
- 23) Yang, Z., Kauffmann, J-M., Valenzuela, M.-I.A., Özkan, S., Electroanalytical behaviour of a nanoarray self-assembled thiocholesterol gold electrode. *Microchimica Acta*, 131(1-2), 85-90, 1999.
- 24) Uslu, B., Yılmaz, N., Erk, N., Özkan, S.A., Şentürk, Z., Biryol, İ., The study of the voltammetric behaviour of flunarizine. *Journal of Pharmaceutical and Biomedical Analysis*, 21(1), 215-220, 1999.
- 25) Yılmaz, N., Özkan, Y., Özkan, S.A., Biryol, I., Aboul-Enein, H.Y., High performance liquid chromatographic assay and drug dissolution studies of fluoxetine hydrochloride in capsule formulations. *Journal of Liquid Chromatography and Related Technologies*, 23(11), 1699-1710, 2000.
- 26) Özkan, Y., Özalp, Y., Savaşer, A., Özkan, S.A., Comparative dissolution testing of paracetamol commercial tablet dosage forms. *Acta Poloniae Pharmaceutica-Drug Research*, 57(1), 33-41, 2000.
- 27) Şentürk, Z., Özkan, S.A., Özkan, Y., Aboul-Enein, H.Y., Voltammetric investigation of oxidation of zuclopenthixol and application to its determination in dosage forms and in drug dissolution studies. *Journal of Pharmaceutical and Biomedical Analysis*, 22(2), 315-323, 2000.
- 28) Özkan, Y., Yılmaz, N., Özkan, S.A., Biryol, İ., High performance liquid chromatographic analysis of verapamil and its application to determination in tablet dosage forms and to drug dissolution studies. *Il Farmaco*, 55(5), 376-382, 2000.
- 29) Özkan, S.A., Erk, N., Uslu, B., Yılmaz, N., Biryol, İ., Study on electrooxidation of cefadroxil monohydrate and its determination by differential pulse voltammetry. *Journal of Pharmaceutical and Biomedical Analysis*, 23(2-3), 263-273, 2000.
- 30) Özkan, S.A., Akay C., Cevheroğlu Ş., Şentürk Z., Rapid and accurate simultaneous determination of fosinopril sodium and hydrochlorothiazide in tablets by HPLC. *Journal of Liquid Chromatography and Related Technologies*, 24(7), 983-991, 2001.
- 31) Erk, N., Özkan, Y., Banoğlu, E., Özkan, S.A., Şentürk, Z., Simultaneous determination of paracetamol and methocarbamol in tablets by ratio spectra derivative spectrophotometry and LC. *Journal of Pharmaceutical and Biomedical Analysis*, 24(3), 469-475, 2001.

- 32) Yılmaz, S., Uslu, B., Özkan, S.A., Anodic oxidation of etodolac and its square wave and differential pulse voltammetric determination in pharmaceuticals and human serum. *Talanta*, 54(2), 351-360, 2001.
- 33) Özkan, Y., Özkan, S.A., Aboul-Enein, H.Y., Determination of clenbuterol HCl in human serum and pharmaceuticals and in drug dissolution studies by RP-HPLC. *Journal of Liquid Chromatography and Related Technologies*, 24(5), 679-691, 2001.
- 34) Özkan, Y., Küçükgülzel, L., Özkan, S.A., Aboul-Enein, H.Y., A rapid sensitive high performance liquid chromatographic method for the determination of meropenem during pharmaceutical dosage form, human serum and urine. *Biomedical Chromatography*, 15(4), 263-266, 2001.
- 35) Uslu, B., Yılmaz S., Özkan, S.A., Determination of olsalazine sodium in pharmaceuticals by differential pulse voltammetry. *Die Pharmazie*, 56(8), 629-632, 2001.
- 36) Özkan, S.A., Simultaneous determination of losartan potassium and hydrochlorothiazide from tablets and human serum by RP-HPLC. *Journal of Liquid Chromatography and Related Technologies*, 24(15), 2337-2346, 2001.
- 37) Tunçel M., Doğrukol-Ak, D., Şentürk, Z., Özkan, S.A., Aboul-Enein, H.Y., Capillary electrophoretic behaviour and determination of enoxacin in pharmaceutical preparations and human serum. *Journal of Liquid Chromatography and Related Technologies*, 24(16), 2455- 2467, 2001.
- 38) Süzen, S., Ateş-Alagöz, Z., Demircigil, B.T., Özkan, S.A., Synthesis and analytical evaluation by voltammetric studies of some new indole-3-propionamide derivatives. *Il Farmaco*, 56(11), 835-840, 2001.
- 39) Uslu, B., Demircigil, B.T., Özkan, S.A., Şentürk, Z., Aboul-Enein, H.Y., Simultaneous determination of melatonin and pyridoxine in tablet formulations by differential pulse voltammetry. *Die Pharmazie*, 56(12), 938-942, 2001.
- 40) Şatana, E., Altınay, Ş., Günden-Göger, N., Özkan, S.A., Şentürk, Z., Simultaneous determination of valsartan and hydrochlorothiazide in tablets by first-derivative ultraviolet spectrophotometry and high-performance liquid chromatography. *Journal of Pharmaceutical and Biomedical Analysis*, 25(5-6), 1009-1013, 2001.
- 41) Özkan, S.A., Özkan, Y., Şentürk, Z., Electrooxidation of pimozone and its differential pulse voltammetric and HPLC-EC determination. *Analytica Chimica Acta*, 453(2), 221-229, 2002.
- 42) Uslu, B., Özkan, S.A., Determination of binary mixtures of levodopa and benserazide in pharmaceuticals by ratio-spectra derivative spectrophotometry. *Analytical Letters*, 35(2), 303-314, 2002.
- 43) Demircigil, B.T., Özkan, S.A., Coruh, Ö., Yılmaz S., Electrochemical behaviour of formoterol fumarate and its determination in capsules for inhalation and human serum using differential pulse and square wave voltammetry. *Electroanalysis*, 14(2), 122-127, 2002.
- 44) Özkan, S.A., Uslu, B., Zuman P., Electrochemical reduction and oxidation of the antibiotic cefepim at a carbon electrode. *Analytica Chimica Acta*, 457(2), 265-274, 2002.
- 45) Özkan, S.A., Uslu, B., Electrochemical study of Fluvastatin sodium-Analytical application in pharmaceutical dosage forms, human serum and simulated gastric juice. *Analytical and Bioanalytical Chemistry*, 372(4), 582-586, 2002.

- 46) Şentürk, Z., Erk,N., Özkan, S.A., Akay C., Cevheroğlu, Ş., Determination of theophylline and ephedrine HCl in tablets by ratio-spectra derivative spectrophotometry and LC. *Journal of Pharmaceutical and Biomedical Analysis*, 29(1-2), 291-298, 2002.
- 47) Uslu, B., Özkan, S.A., Electrochemical characterisation of nefazodone hydrochloride and voltammetric determination of the drug in pharmaceuticals and human serum. *Analytica Chimica Acta*, 462(1), 49-57, 2002.
- 48) Ozkan, S.A., Uslu, B., Rapid HPLC assay for lamivudine in pharmaceuticals and human serum. *Journal of Liquid Chromatography and Related Technologies*, 25(9), 1447-1456, 2002.
- 49) Uslu, B., Özkan, S.A., Aboul-Enein, H.Y., Electrochemical study of S-adenosyl-L-methionine and Its differential pulse and square wave voltammetric determination. *Electroanalysis*, 14(11), 736-740, 2002.
- 50) Şatana, E., Uslu, B., Özkan, S.A., Differential pulse and square wave voltammetric determination of cisapride in tablet dosage form. *Die Pharmazie*, 57(7), 501-503, 2002.
- 51) Özkan, S.A., Determination of the antihypertensive drug lacidipine in pharmaceuticals by differential pulse and square wave voltammetry. *Die Pharmazie*, 57(7), 503-505, 2002.
- 52) Uslu, B., Özkan, S.A., Determination of lamivudine and zidovudine in binary mixtures using first derivative spectrophotometric, first derivative of the ratio-spectra and high performance liquid chromatography-UV methods. *Analytica Chimica Acta*, 466(1), 175-185, 2002.
- 53) Akay C., Özkan, S.A., Simultaneous LC determination of trimethoprim and sulphamethoxazole in pharmaceutical formulations. *Journal of Pharmaceutical and Biomedical Analysis*, 30(4), 1207-1213, 2002.
- 54) Uslu, B., Özkan, S.A., Aboul-Enein, H.Y., Spectrophotometric determination of melatonin and pyridoxine HCl in binary mixture using first derivative of the ratio spectra method. *Analytical Letters*, 35(14), 2305-2317, 2002.
- 55) Özkan, S.A., Özkan, Y., Aboul-Enein, H.Y., Quality control and drug dissolution studies of pharmaceutical preparations containing cerivastatin sodium by means of RP-HPLC. *Journal of Liquid Chromatography and Related Technologies*, 25(2), 251-262, 2002.
- 56) Demircigil, B.T., Uslu, B., Özkan, Y., Özkan, S.A., Şentürk, Z., Voltammetric oxidation of ambroxol and application to its determination in pharmaceuticals and in drug dissolution studies. *Electroanalysis*, 15(3), 230-234, 2003.
- 57) Akay C., Özkan, S.A., Şentürk, Z., Cevheroğlu, Ş., Simultaneous determination of metronidazol and miconazol in pharmaceutical dosage forms by RP-HPLC. *Il Farmaco*, 57(11), 953-957, 2003.
- 58) Uslu, B., Özkan, S.A., Electroanalytical characteristics of piribedil and its differential pulse and square wave voltammetric determination in pharmaceuticals and human serum. *Journal of Pharmaceutical and Biomedical Analysis*, 31(3), 481-489, 2003.
- 59) Süzen, S., Demircigil, B.T., Buyukbingol, E., Özkan, S.A., Electroanalytical evaluation and determination of 5-(3'-indolyl)-2-thiohydantoin derivatives by voltammetric studies: Possible relevance to in vitro metabolism. *New Journal of Chemistry*, 27(6), 1007-1011, 2003.
- 60) Savaşer, A., Özkan, C.K., Özkan, Y., Uslu, B., Özkan, S.A., Development and validation of an RP-HPLC method for the determination of valacyclovir in tablets and human serum and its application to drug dissolution studies. *Journal of Liquid Chromatography and Related Technologies*, 26(11), 1755-1767, 2003.

- 61) Özkan, S.A., Uslu, B., Aboul-Enein, H.Y., Analysis of pharmaceuticals and biological fluids using modern electroanalytical techniques. *Critical Reviews in Analytical Chemistry*, 33(3), 155-181, 2003.
- 62) Özkan, Y., Savaşer, A., Taş, Ç., Uslu, B., Özkan, S.A., Drug dissolution studies and determination of deflazacort in pharmaceutical formulations and human serum samples by RP-HPLC. *Journal of Liquid Chromatography and Related Technologies*, 26(13), 2141-2156, 2003.
- 63) Özkan, S.A., Uslu, B., Aboul-Enein, H.Y., Voltammetric investigation of tamsulosin. *Talanta*, 61(2), 147-156, 2003.
- 64) Yüksel, N., Karataş, A., Özkan, Y., Savaşer, A., Özkan, S.A., Baykara, T., Enhanced bioavailability of piroxicam using Gelucire 44/14 and Labrasol: In vitro and in vivo evaluation. *European Journal of Pharmaceutics and Biopharmaceutics*, 56(3), 453-459, 2003.
- 65) Özkan, S.A., Uslu, B., Zuman, P., Electrochemical oxidation of sildenafil citrate (Viagra) on carbon electrodes. *Analytica Chimica Acta*, 501(2), 227-233, 2004.
- 66) Uslu, B., Özkan, S.A., Zuman, P., Contribution to the alkaline degradation of cefepime. *Microchemical Journal*, 76(1-2), 61-63, 2004.
- 67) Özkan, S.A., Uslu, B., Şentürk, Z., Electroanalytical characteristics of amisulpride and voltammetric determination of the drug in pharmaceuticals and biological media. *Electroanalysis*, 16(3), 231- 237, 2004.
- 68) Savaşer, A., Özkan, Y., Özkan, C.K., Taş, Ç., Özkan, S.A., RP-HPLC assay of rofecoxib from pharmaceutical dosage forms and human plasma and its drug dissolution studies. *Analytical Letters*, 37(1), 81-97, 2004.
- 69) Dinç, E., Uslu, B., Özkan, S.A., Spectral resolution of a binary mixture containing valsartan and hydrochlorothiazide in tablets by ratio spectra derivative and inverse least square techniques. *Analytical Letters*, 37(4), 679- 693, 2004.
- 70) Savaşer, A., Karataş, A., Özkan, Y., Yüksel, N., Özkan, S.A., Baykara, T., Validated LC determination of the piroxicam- β -cyclodextrin inclusion complex in tablets and human plasma. *Chromatographia*, 59 (9-10), 555-560, 2004.
- 71) Uslu, B., Savaşer, A., Özkan, S.A., Özkan, Y., Validated RP-HPLC method for the assay of zalcitabine in drug substance, formulated products and human serum. *Die Pharmazie*, 59(8), 604-607, 2004.
- 72) Uslu, B., Özkan, S.A., Anodic voltammetry of abacavir and its determination in pharmaceuticals and biological fluids. *Electrochimica Acta*, 49(25), 4321-4329, 2004.
- 73) Dogan, B., Uslu, B., Özkan, S.A., Anodic adsorptive stripping voltammetry of the antiypertensive drug candesartan cilexetil at a glassy carbon electrode. *Die Pharmazie*, 59(11), 840-844, 2004.
- 74) Özkan, Y., Savaşer, A., Özkan, S.A., Simple and reliable HPLC method of abacavir determination in pharmaceuticals, human serum and drug dissolution studies from tablets. *Journal of Liquid Chromatography and Related Technologies*, 28(3), 423-437, 2005.
- 75) Dogan, B., Uslu, B., Özkan, S.A., Electrochemical characterization of flupenthixol and rapid determination of the drug in human serum and pharmaceuticals by voltammetry. *Analytical Letters*, 38(4), 641-656, 2005.

- 76) Uslu, B., Doğan, B., Özkan, S.A., Electrochemical studies of ganciclovir at glassy carbon electrodes and its direct determination in serum and pharmaceuticals by square wave and differential pulse voltammetry. *Analytica Chimica Acta*, 537(1-2), 307-313, 2005.
- 77) Uslu, B., Doğan, B., Özkan, S.A., Aboul-Enein, H.Y., Voltammetric investigation and determination of mefloquine. *Electroanalysis*, 17(17), 1563-1570, 2005.
- 78) Dogan, B., Uslu, B., Suzen, S., Ozkan, S.A., Electrochemical evaluation of nucleoside analogue lamivudine in pharmaceutical dosage forms and human serum. *Electroanalysis*, 17(20), 1886-1894, 2005.
- 79) Golcu, A., Dogan, B., Ozkan, S.A., Anodic voltammetric behavior and determination of cefixime in pharmaceutical dosage forms and biological fluids. *Talanta*, 67(4), 703-712, 2005.
- 80) Dogan, B., Ozkan, S.A., Electrochemical behavior of carvedilol and its adsorptive stripping determination in dosage forms and biological fluids. *Electroanalysis*, 17(22), 2074-2083, 2005.
- 81) Uslu, B., Dogan, B., Özkan, S.A., Aboul-Enein, H.Y., Electrochemical behavior of vardenafil on glassy carbon electrode: Determination in tablets and human serum. *Analytica Chimica Acta*, 552(1-2), 127-134, 2005.
- 82) Golcu, A., Dogan, B., Ozkan, S.A., Anodic voltammetric behaviour and determination of antihistaminic agent: Fexofenadine HCl. *Analytical Letters*, 38(12), 1913-1931, 2005.
- 83) Uslu, B., Özkan, S.A., Şentürk, Z., Electrooxidation of the antiviral drug valacyclovir and its square-wave and differential pulse voltammetric determination in pharmaceuticals and human biological fluids. *Analytica Chimica Acta*, 555(2), 341-347, 2006.
- 84) Ozkan, S.A., Dogan, B., Uslu, B., Voltammetric analysis of the novel atypical antipsychotic drug quetiapine in human serum and urine. *Microchimica Acta*, 153(1-2), 27-35, 2006.
- 85) Coruh, Ö. Özkan, S.A., Determination of the antihyperlipidemic simvastatin by various voltammetric techniques in tablets and serum samples. *Die Pharmazie*, 61(4), 285-290, 2006.
- 86) Dogan, B., Canbaz, D., Ozkan, S.A., Uslu, B., Electrochemical methods for determination of protease inhibitor indinavir sulfate in pharmaceuticals and human serum. *Die Pharmazie*, 61(5), 409-413, 2006.
- 87) Ostadna, V., Uslu, B., Dogan, B., Ozkan, S.A., Palecek, E., Native and denatured bovine serum albumin. DC polarography, stripping voltammetry and constant current chronopotentiometry. *Journal of Electroanalytical Chemistry*, 593(1-2), 172-178, 2006.
- 88) Golcu, A., Ozkan, S.A., Electroanalytical determination of donepezil HCl in tablets and human serum by differential pulse and oseryoung square wave voltammetry at a glassy carbon electrode. *Die Pharmazie*, 61(9), 760-765, 2006.
- 89) Ağbaba, U., Özkan, S.A., Electrochemical evaluation of pioglitazone HCl and its determination in pharmaceutical dosage forms. *FABAD Journal of Pharmaceutical Sciences*, 31(3), 133-141, 2006.
- 90) Erdurak-Kiliç, C.S., Uslu, B., Dogan, B., Ozgen, U., Ozkan, S.A., Coskun, M., Anodic voltammetric behavior of ascorbic acid and its selective determination in pharmaceutical dosage forms and some Rosa species of Turkey. *Journal of Analytical Chemistry*, 61(11), 1113-1120, 2006.
- 91) Bozkaya, P., Dogan, B., Suzen, S., Nebioğlu, D., Özkan, S.A., Determination and investigation of electrochemical behaviour of 2-phenylindole derivatives: Discussion on possible mechanistic pathways. *Canadian Journal of Analytical Sciences and Spectroscopy*, 51(3), 125-139, 2006.

- 92) Uslu, B., Ozkan, S.A., Electroanalytical application of carbon based electrodes to the pharmaceuticals. *Analytical Letters*, 40(5), 817-853, 2007.
- 93) Savaser, A., Goraler, S., Taşöz, A., Uslu, B., Lingeman, H., Özkan, S.A., Determination of abacavir, lamivudine and zidovudine in pharmaceutical tablets, human serum and in drug dissolution studies by HPLC. *Chromatographia*, 65(5-6), 259-265, 2007.
- 94) Demircan, Ş., Kır, S., Ozkan, S.A., Electroanalytical characterization of verapamil and its voltammetric determination in pharmaceuticals and human serum. *Analytical Letters*, 40(6), 1177-1195, 2007.
- 95) Dogan-Topal, B., Uslu, B., Ozkan, S.A., Investigation of electrochemical behavior of lipid lowering agent atorvastatin calcium in aqueous media and its determination from pharmaceutical dosage forms and biological fluids using boron-doped diamond and glassy carbon electrodes. *Combinatorial Chemistry and High Throughput Screening*, 10(7), 571-582, 2007.
- 96) Uslu, B., Ozkan, S.A., Solid electrodes in electroanalytical chemistry: Present applications and prospects for high-throughput screening of drug compounds. *Combinatorial Chemistry and High Throughput Screening*, 10(7), 495-513, 2007.
- 97) Altun, Y., Dogan, B., Ozkan, S.A., Uslu, B., Development and validation of voltammetric techniques for nabumetone in pharmaceutical dosage form, human serum and urine. *Acta Chimica Slovenica*, 54(2), 287-294, 2007.
- 98) Dogan-Topal, B., Ozkan, S.A., Uslu, B., Simultaneous determination of abacavir, efavirenz and valganciclovir in human serum samples by isocratic HPLC-DAD detection. *Chromatographia*, 66(SUPPL. 1), S25-S30, 2007.
- 99) Özkan, S.A., LC with electrochemical detection. Recent application to pharmaceuticals and biological fluids. *Chromatographia*, 66(SUPPL. 1), S3-S13, 2007.
- 100) Dogan-Topal, B., Uslu, B., Ozkan, S.A., Development and validation of an RP-HPLC method for determination of valganciclovir in human serum and tablets. *Chromatographia*, 66(SUPPL. 1), S97-S101, 2007.
- 101) Dogan, B., Tuncel, S., Uslu, B., Özkan, S.A., Selective electrochemical behavior of highly conductive boron-doped diamond electrodes for fluvastatin sodium oxidation. *Diamond and Related Materials*, 16(9), 1695-1704, 2007.
- 102) Dogan, B., Uslu, B., Ozkan, S.A., Zuman, P., Electrochemical determination of HIV drug abacavir based on its reduction. *Analytical Chemistry*, 80(1), 209-216, 2008.
- 103) Uslu, B., Dogan-Topal, B., Ozkan, S.A., Electroanalytical investigation and determination of pefloxacin in pharmaceuticals and serum at boron-doped diamond and glassy carbon electrodes. *Talanta*, 74(5), 1191-1200, 2008.
- 104) Onay-Besikci, A., Özkan, S.A., Trimetazidine revisited: A comprehensive review of the pharmacological effects and analytical techniques for the determination of trimetazidine. *Cardiovascular Therapeutics*, 26(2), 147-165, 2008.
- 105) Bozal B., Dogan-Topal, B., Uslu, B., Özkan, S.A., Aboul-Enein, H.Y., Quantitative analysis of irbesartan in pharmaceuticals and human biological fluids by voltammetry. *Analytical Letters*, 42(14), 2322-2338, 2009.
- 106) Dogan-Topal, B., Golcu, A., Ozkan, S.A., Electrochemical investigation and determination of the antibacterial loracarbef by voltammetric methods. *Analytical Letters*, 42(4), 689-705, 2009.

- 107) Altun, Y., Dogan-Topal, B., Uslu, B., Ozkan, S.A., Anodic behavior of sertindole and its voltammetric determination in pharmaceuticals and human serum using glassy carbon and boron-doped diamond electrodes. *Electrochimica Acta*, 54(6), 1893-1903, 2009.
- 108) Dogan-Topal, B., Uslu, B., Ozkan, S.A., Voltammetric studies on the HIV-1 inhibitory drug efavirenz: The interaction between dsDNA and drug using electrochemical DNA biosensor and adsorptive stripping voltammetric determination on disposable pencil graphite electrode. *Biosensors and Bioelectronics*, 24(8), 2358-2364, 2009.
- 109) Özkan, S.A., Principles and techniques of electroanalytical stripping methods for pharmaceutically active compounds in dosage forms and biological samples. *Current Pharmaceutical Analysis*, 5(2), 127-143, 2009.
- 110) Dogan, B., Golcu, A., Dolaz, M., Ozkan, S.A., Anodic oxidation of antibacterial drug cefotaxime sodium and its square wave and differential pulse voltammetric determination in pharmaceuticals and human serum. *Current Pharmaceutical Analysis*, 5(2), 197-207, 2009.
- 111) Dogan, B., Golcu, A., Dolaz, M., Ozkan, S.A., Electrochemical behaviour of the bactericidal cefoperazone and its selective voltammetric determination in pharmaceutical dosage forms and human serum. *Current Pharmaceutical Analysis*, 5(2), 179-189, 2009.
- 112) Dogan-Topal, B., Bozal B., Demircigil, B.T., Uslu, B., Ozkan, S.A., Electroanalytical studies and simultaneous determination of amlodipine besylate and atorvastatine calcium in binary mixtures using first derivative of the ratio-voltammetric methods. *Electroanalysis*, 21(22), 2427-2439, 2009.
- 113) Demiralay, E.C., Alsancak, G., Ozkan, S.A., Determination of pKa values of nonsteroidal anti-inflammatory drug-oxicams by RP-HPLC and their analysis in pharmaceutical dosage forms. *Journal of Separation Science*, 32(17), 2928-2936, 2009.
- 114) Gumustas, M., Ozkan, S.A., Electrochemical evaluation and determination of antiretroviral drug fosamprenavir using boron-doped diamond and glassy carbon electrodes. *Analytical and Bioanalytical Chemistry*, 397(1), 189-203, 2010.
- 115) Kul D., Dogan-Topal, B., Kutucu, T., Uslu, B., Ozkan, S.A., High-performance liquid chromatographic and first derivative of the ratio spectrophotometric determination of amlodipine and valsartan in their binary mixtures. *Journal of AOAC International*, 93(3), 882-890, 2010.
- 116) Kul, D., Gumustas, M., Uslu, B., Ozkan, S.A., Electroanalytical characteristics of antipsychotic drug ziprasidone and its determination in pharmaceuticals and serum samples on solid electrodes. *Talanta*, 82(1), 286-2954, 2010.
- 117) Shirinzadeh H., Yilmaz A.D., Gumustas M., Suzen S., Ozden S., Ozkan, S.A., Electrochemical behaviour of indole-3-carboxaldehyde izonicotinoyl hydrazones: Discussion on possible biological behavior. *Combinatorial Chemistry and High Throughput Screening*, 13(7), 619-627, 2010.
- 118) Suzen S., Özkan, S.A., Combination of electrochemical, spectrometric and other analytical techniques for high throughput screening of pharmaceutically active compounds, *Combinatorial Chemistry and High Throughput Screening*, 13(7), 658-664, 2010.
- 119) Altun, Y., Uslu, B., Özkan, S.A., Electroanalytical characteristics of lercanidipine and its voltammetric determination in pharmaceuticals and human serum on boron-doped diamond electrode. *Analytical Letters*, 43(12), 1958-1975, 2010.
- 120) Dogan-Topal, B., Tuncel, S., Ozkan, S.A., Anodic voltammetric behavior and determination of rosiglitazone in pharmaceutical dosage forms and biological fluids on solid electrode. *Combinatorial Chemistry and High Throughput Screening*, 13(8), 694-702, 2010.

- 121) Gumustas, M., Şanlı, S., Şanlı, N., Ozkan, S.A., Determination of pKa values of some antihypertensive drugs by liquid chromatography and simultaneous assay of lercanidipine and enalapril in their binary mixtures. *Talanta*, 82(4), 1528-1537, 2010.
- 122) Demiralay E.C., Cubuk, B., Ozkan, S.A., Alsancak G., Combined effect of polarity and pH on the chromatographic behavior of some angiotensin II receptor antagonists and optimization of their determination in pharmaceutical dosage forms. *Journal of Pharmaceutical and Biomedical Analysis*, 53(3), 475-482, 2010.
- 123) Kılıcarslan, M., Ozkan, S.A., Baykara, T., LC Determination of clindamycin phosphate from chitosan microspheres. *Chromatographia*, 72(9-10), 799-805, 2010.
- 124) Muslu, H., Golcu, A., Ozkan, S.A., Electrochemical study of ceftazidime-copper (II) complex: Synthesis, characterization, biological activity and analytical application to pharmaceutical dosage forms. *Current Analytical Chemistry*, 6(4), 299-309, 2010.
- 125) Tarinc, D., Dogan-Topal, B., Dolaz, M., Golcu, A., Ozkan, S.A., Synthesis, characterization, biological activity and voltammetric behavior and determination of cefaclor metal complexes. *Current Analytical Chemistry*, 6(4), 316-328, 2010.
- 126) Dogan-Topal, B., Ozkan, S.A., Uslu, B., The analytical applications of square wave voltammetry on pharmaceutical analysis. *The Open Chemical and Biomedical Methods Journal*, 3, 56-73, 2010.
- 127) Kul, D., Uslu, B., Ozkan, S.A., Electrochemical determination of anti-hyperlipidemic drug ezetimibe based on its oxidation on solid electrodes. *Analytical Letters*, 44(7), 1341-1357, 2011.
- 128) Dogan-Topal, B., Ozkan, S.A., A novel sensitive electrochemical DNA biosensor for assaying of anticancer drug leuprolide and its adsorptive stripping voltammetric determination. *Talanta*, 83(3), 780-788, 2011.
- 129) Satana, H.E., Dogan-Topal, B., Ozkan, S.A., Electrochemical characterization and rapid voltammetric determination of riluzole in pharmaceuticals and human serum. *Analytical Letters*, 44(6), 976-990, 2011.
- 130) Dogan-Topal, B., Ozkan, S.A., Electrochemical determination of anticancer drug fulvestrant at dsDNA modified pencil graphite electrode. *Electrochimica Acta*, 56(12), 4433-4438, 2011.
- 131) Canbay, H.S., Demiralay E.C., Alsancak G., Ozkan, S.A., Chromatographic determination of pKa values of some water-insoluble arylpropionic acids and arylacetic acids in acetonitrile-water media. *Journal of Chemical and Engineering Data*, 56(5), 2071-2076, 2011.
- 132) Sanli, N., Sanli, S., Sizer, U., Gumustas, M., Ozkan, S.A., Determination of pKa values of cefdinir and cefixime by LC and spectrophotometric methods and their analysis in pharmaceutical dosage forms. *Chromatographia*, 73(11-12), 1771-1776, 2011.
- 133) Sanli, S., Sanli, N., Gumustas, M., Karadas, N., Özkan, S.A., Aboul Enein, H.Y., Simultaneous estimation of ceftazidime and ceftizoxime in pharmaceutical formulations by HPLC method. *Chromatographia*, 74(7-8), 549-558, 2011.
- 134) Uslu, B., Ozkan, S.A., Electroanalytical methods for the determination of pharmaceuticals: A review of recent trends and developments. *Analytical Letters*, 44(16), 2644-2702, 2011.
- 135) Dogan-Topal, B., Kul, D., Ozkan, S.A., Uslu, B., Anodic behavior of fulvestrant and its voltammetric determination in pharmaceuticals and human serum on highly boron-doped diamond electrode using differential pulse adsorptive stripping voltammetry. *Journal of Applied Electrochemistry*, 41(11), 1253-1260, 2011.

- 136) Demircigil, B.T., Dogan-Topal, B., Ozkan, S.A., Simultaneous determination of L-dopa and benserazide in binary mixtures using first derivative of the ratio-voltammetric methods based on their oxidation on solid electrode. *Collection of Czechoslovak Chemical Communications*, 76(12), 1717-1736, 2011.
- 137) Kul, D., Dogan-Topal, B., Ozkan, S.A., Uslu, B., Differential pulse voltammetric determination of fulvestrant in pharmaceutical dosage forms and serum samples. *International Journal of Electrochemistry*, DOI:10.4061/2011/941583, 2011.
- 138) Bozal, B., Uslu, B., Ozkan, S.A., A review of electroanalytical techniques for determination of anti-HIV drugs. *International Journal of Electrochemistry*, DOI: 10.4061/2011/343947, 2011.
- 139) Gumustas, M., Özkan, S.A., The role of and the place of method validation in drug analysis using electroanalytical techniques. *The Open Analytical Chemistry Journal*, 5, 1-21, 2011.
- 140) Gumustas, M., Ozkan, S.A., Development and validation of an RP-LC method for the determination of granisetron in dosage forms. *Asian Chemistry Letters*, 16(1), 23-30, 2011.
- 141) Çeşme, M., Gölcü, A., Dolaz, M., Tümer, M., Zengin, H., Ozkan, S.A., Synthesis and voltammetric behavior of loracarbef metal complexes. *Letters in Organic Chemistry*, 9(1), 35-44, 2012.
- 142) Secilmis-Canbay, H., Cubuk-Demiralay, E., Alsancak, G., Ozkan, S.A., The combined effect of the organic modifier content and pH of the mobile phase on the chromatographic behavior of some arylpropionic and arylacetic acids to optimize their liquid chromatographic determinations. *Chromatographia*, 75(13-14), 711-720, 2012.
- 143) Karadas, N., Sanli, S., Gumustas, M., Ozkan, S.A., Voltammetric and RP-LC assay for determination of benidipine HCl. *Journal of Pharmaceutical and Biomedical Analysis*, 66, 116-125, 2012.
- 144) Gumustas, M., Sanli, S., Sanli, N., Ozkan, S.A., Development and validation of a liquid chromatographic method for concurrent assay of weakly basic drug verapamil and amphoteric drug trandolapril in pharmaceutical formulations. *Journal of Food and Drug Analysis*, 20(3), 588-596, 2012.
- 145) Bozal B., Dogan-Topal, B., Uslu, B., Ozkan, S.A., Aboul Enein, H.Y., Electrochemical study of the interaction between antibacterial drug gemifloxacin with dsDNA using pencil graphite electrode. *Current Analytical Chemistry*, 8(4), 528-533, 2012.
- 146) Gumustas, M., Özkan, S.A., Simple, sensitive and reliable LC-DAD method of gemifloxacin determination in pharmaceutical dosage forms. *Turkish Journal of Pharmaceutical Sciences*, 9(2), 161-170, 2012.
- 147) Gumustas, M., Karadas, N., Ozkan, S.A., Validated electroanalytical and RP-LC assay of ertapenem in its pharmaceutical dosage form. *Revue Roumaine de Chimie*, 58(7-8), 679-690, 2013.
- 148) Bozal-Palabiyik, B., Kurbanoglu, S., Gumustas, M., Uslu, B., Ozkan, S.A., Electrochemical approach for the sensitive determination of anticancer drug epirubicin in pharmaceuticals in the presence of anionic surfactant. *Revue Roumaine de Chimie*, 58(7-8), 647-658, 2013.
- 149) Bozal B., Gumustas, M., Dogan-Topal, B., Uslu B., Ozkan S.A., Fully validated simultaneous determination of bisoprolol fumarate and hydrochlorothiazide in their dosage forms using different voltammetric, chromatographic, and spectrophotometric analytical methods. *Journal of AOAC International*, 96(1), 42-51, 2013.
- 150) Dogan-Topal, B., Bozal-Palabiyik, B., Uslu, B., Ozkan, S.A., Multi-walled carbon nanotube modified glassy carbon electrode as a voltammetric nanosensor for the sensitive determination of anti-viral drug valganciclovir in pharmaceuticals. *Sensors and Actuators B: Chemical*, 177, 841-847, 2013.

- 151) Kurbanoglu, S, Gumustas, M., Ozkan, S.A., Simultaneous estimation and validation of some binary mixtures of antihypertensive drugs by RP-LC methods using two new generation silica columns. *Journal of Pharmaceutical and Biomedical Analysis*, 72, 198-201, 2013.
- 152) Badilli, U., Amasya G, Özkan, S.A., Tarımcı, N., Simultaneous determination of clobetasol propionate and calcipotriol in a novel fixed dose emulgel formulation by LC-UV. *Chromatographia*, 76(3-4), 133-140, 2013.
- 153) Sanli, S., Özkan, S.A., Guney, Z., Determination of pKa values of some butyrophenones, their sensitive LC-UV analysis in pharmaceutical dosage forms and stress degradation behavior under ICH-recommended stress conditions. *Journal of Liquid Chromatography and Related Technologies*, 36(7), 821-835, 2013.
- 154) Tarınc, D., Muslu, H., Cesme, M., Golcu, A., Tumer, M., Ozkan, S.A., Synthesis, structural characterization and electrochemical evaluation of schiff base transition metal complexes with ceftazidime. *Current Analytical Chemistry*, 9(2), 319-332, 2013.
- 155) Kurbanoglu, S., Dogan-Topal, B., Uslu, B., Can, A., Ozkan, S.A., Electrochemical investigations of anticancer drug idarubicin using multiwalled carbon nanotubes modified glassy carbon and pyrolytic graphite electrodes. *Electroanalysis*, 25(6), 1473-1482, 2013.
- 156) Agın, F., Karadas, N., Uslu, B., Ozkan, S.A., Electroanalytical characterization of levodropropizine and its voltammetric determination in pharmaceuticals. *Current Pharmaceutical Analysis*, 9(3), 299-309, 2013.
- 157) Gumustas, M., Özkan, S.A., A validated stability-indicating RP-LC method for the simultaneous determination of amlodipine and perindopril in tablet dosage form and their stress degradation behaviour under ICH-recommended stress conditions. *Journal of AOAC International*, 96(4), 751-757, 2013.
- 158) Karadas, N., Bozal-Palabiyik, B., Uslu, B., Ozkan, S.A., Functionalized carbon nanotubes-with silver nanoparticles to fabricate a sensor for the determination of zolmitriptan in its dosage forms and biological samples. *Sensors and Actuators B: Chemical*, 186, 486-494, 2013.
- 159) Karadas N., Sanli S., Akmesese, B., Dogan-Topal B., Can A., Ozkan S.A., Analytical application of polymethylene blue-multiwalled carbon nanotubes modified glassy carbon electrode on anticancer drug irinotecan and determination of its ionization constant value. *Talanta*, 115, 911-919, 2013.
- 160) Ashrafi, A.M., Gumustas, M., Vytrás, K., Nematollahi D., Uslu, B., Mikysek, T., Jirasko, R., Ozkan, S.A., Determination and detailed mechanism study of antiviral drug fosamprenavir using carbon paste electrode in the presence of Triton X-100. *Electrochimica Acta*, 109, 381-388, 2013.
- 161) Ağın, F., Karadaş, N., Uslu, B., Özkan, S.A., Voltammetric and RP-LC assay on antidepressant drug mirtazapine: A validated method from pharmaceutical dosage forms. *Macedonian Journal of Chemistry and Chemical Engineering*, 32(1), 41-55, 2013.
- 162) Ozkan, S.A., New Developments for the sensitive and validated drug analysis using chromatographic methods. *Chromatographia*, 76(21-22), 1363-1364, 2013.
- 163) Gumustas, M., Kurbanoglu, S., Uslu, B., Ozkan, S.A., UPLC versus HPLC on drug analysis: Advantageous, applications and their validation parameters. *Chromatographia*, 76(21-22), 1365-1427, 2013.
- 164) Kurbanoglu, S, Gumustas, M., Uslu, B., Ozkan, S.A., A sensitive and selective RP-LC method for the simultaneous determination of the antihypertensive drugs, enalapril, lercanidipine, nitrendipine and their validation. *Chromatographia*, 76(21-22), 1477-1485, 2013.

- 165) Sanli, S., Akmesel, B., Sanli, N., Ozkan, S.A., A novel RP-LC method for determination of pKa values of some anticancer agents and their assay. *Chromatographia*, 76(21-22), 1467-1475, 2013.
- 166) Bozal-Palabiyik B, Dogan-Topal B., Uslu B, Can, A., Ozkan S.A., Sensitive voltammetric assay of etoposide using modified glassy carbon electrode with a dispersion of multi-walled carbon nanotube. *Journal of Solid State Electrochemistry*, 17(11), 2815-2822, 2013.
- 167) Suzen, S., Tekiner-Gulbas, B., Shirinzadeh, H., Uslu, D., Gurer-Orhan, H., Gumustas, M., Ozkan, S.A., Antioxidant activity of indole-based melatonin analogues in erythrocytes and their voltammetric characterization. *Journal of Enzyme Inhibition and Medicinal Chemistry*, 28(6), 1143-1155, 2013.
- 168) Karadas, N., Ozkan, S.A., Electrochemical preparation of sodium dodecylsulfate doped over-oxidized polypyrrole/multi-walled carbon nanotube composite on glassy carbon electrode and its application on sensitive and selective determination of anticancer drug: Pemetrexed. *Talanta*, 119, 248–254, 2014.
- 169) Tarinc, D., Dogan-Topal, B., Golcu, A., Ozkan, S.A., Electrochemical investigation and determination of ceftazidime in pharmaceutical dosage forms and human urine. *Journal of Analytical Chemistry*, 69(9), 899-908, 2014.
- 170) Bayrak, Z., Kurbanoglu, S., Savaser, A., Ozkan, S.A., Altunay, H., Tas, C., Ozkan, C.K., Ozkan, Y., LC-MS method for the sensitive determination of metoclopramide: Application to rabbit plasma, gel formulations and pharmaceuticals. *Chromatographia*, 77(1-2), 99-107, 2014.
- 171) Ashrafi, A.M., Kurbanoglu, S., Vytřas, K., Uslu, B., Ozkan, S.A., Electrochemical mechanism and sensitive assay of antiretroviral drug abacavir in biological sample using multiwalled carbon nanotube modified pyrolytic graphite electrode. *Journal of Electroanalytical Chemistry*, 712, 178-184, 2014.
- 172) Demiralay, E.C., Koç, D., Daldal, Y.D., Alsancak, G., Ozkan, S.A., Determination of chromatographic dissociation constants of some carbapenem group antibiotics and quantification of these compounds in human urine. *Biomedical Chromatography*, 28(5), 660-666, 2014.
- 173) Kul, D., Doğan-Topal, B., Özkan, S.A., Uslu, B., Poly(acridine orange)-modified glassy carbon electrodes: Electrosynthesis, characterisation and sensor application with uric acid. *Journal of Applied Electrochemistry*, 44(7), 831-840, 2014.
- 174) Kurbanoglu, S., Rodriguez San Miguel, P., Uslu, B., Ozkan, S.A., Stability-indicating UPLC method for the determination of bisoprolol fumarate and hydrochlorothiazide: Application to dosage forms and biological sample. *Chromatographia*, 77(3-4), 365-371, 2014.
- 175) Yagmur, S., Yilmaz, S., Saglikoglu, G., Uslu, B., Sadikoglu, M., Ozkan, S.A., Sensitive voltammetric determination of famotidine in human urine and tablet dosage forms using an ultra trace graphite electrode. *Journal of the Serbian Chemical Society*, 79(1), 53-62, 2014.
- 176) Dogan-Topal, B., Özkan, S.A., Uslu, B., Direct electrochemistry of native and denatured alpha-2-macroglobulin by solid electrodes. *Journal of Electroanalytical Chemistry*, 719, 14-18, 2014.
- 177) Dogan-Topal, B., Bozal-Palabiyik, B., Ozkan, S.A., Uslu, B., Investigation of anticancer drug lapatinib and its interaction with dsDNA by electrochemical and spectroscopic techniques. *Sensors and Actuators B: Chemical*, 194, 185-194, 2014.
- 178) Mayorga-Martinez, C.C., Pino, F., Kurbanoglu, S., Rivas, L., Ozkan, S.A., Merkoçi, A., Iridium oxide nanoparticles induced dual catalytic/inhibition based detection of phenol and pesticide compounds. *Journal of Materials Chemistry B*, 2(16), 2233-2239, 2014.

- 179) Demir, E., Inam, R., Ozkan, S.A., Uslu, B., Electrochemical behavior of tadalafil on TiO₂ nanoparticles-MWCNT composite paste electrode and its determination in pharmaceutical dosage forms and human serum samples using adsorptive stripping square wave voltammetry. *Journal of Solid State Electrochemistry*, 18, 2709-2720, 2014.
- 180) Kurbanoglu, S., Bozal-Palabiyik, B., Gumustas, M., Şanlı, S., Uslu, B., Ozkan SA., Development and validation of a stability-indicating RP-LC method for the determination of anticancer drug epirubicin in pharmaceuticals. *Journal of Liquid Chromatography and Related Technologies*, 37(11), 1583–1596, 2014.
- 181) Kurbanoglu, S, Gumustas, M., Ozkan, S.A., Simultaneous determination and validation of some binary mixtures of antihypertensive drugs using ratio derivative spectrophotometric method. *Journal of Analytical Chemistry*, 69(10), 935-941, 2014.
- 182) Gumustas, M., Uslu, B., Ozkan, S.A., Aboul-Enein H.Y., Validated stability- indicating HPLC and UPLC assay methods for the determination of entacapone in pharmaceutical dosage forms. *Chromatographia*, DOI 10.1007/s10337-014-2758-x, 2014.
- 183) Kurbanoglu, S., Mayorga-Martinez, C.C., Medina-Sánchez, M., Rivas, L., Ozkan, S.A., Merkoçi, A., Antithyroid drug detection using an enzyme cascade blocking in a nanoparticle-based lab-on-a-chip system. *Biosensors and Bioelectronics* 67 (2015) 670–676
- 184) Mariola Brycht, Sławomira Skrzypek, Nurgul Karadas, Sylwia Smarzewska, Burcin Bozal-Palabiyik, Sibel A. Ozkan, Bengi Uslu "Voltammetric behavior and determination of antidepressant drug paroxetine at carbon based electrodes" *Ionics*- Accepted

ARAŞTIRMA PROJELERİ

1-PROJE ADI :Bazı İlaçların Elektroanalitik İncelenmesi

PROJE ÇALIŞANLARI: Prof. Dr. İnci BİRYOL (Ank. Üniv.) (Yürütücü)

Uzm. Ecz. Sibel A. ÖZKAN (Ank. Üniv.)

DESTEKLEYEN KURULUŞ: Ankara Üniversitesi Araştırma Fonu

PROJE NO: 91.30.00.09

PROJE TARİHİ 5.04.1991 -8.11.1994

2-PROJE ADI :Dihidropiridin Türevi Kalsiyum Kanal Antagonistlerinin Elektroanalitik Davranışlarının İncelenmesi

PROJE ÇALIŞANLARI: Doç.Dr.Sibel A. ÖZKAN (Ank. Üniv.) (Yürütücü)

Prof.Dr.Zühre ŞENTÜRK (Gazi Üniv.)

Prof.Dr. Füsun ACARTÜRK (Gazi Üniv.)

DESTEKLEYEN KURULUŞ: Ankara Üniversitesi Araştırma Fonu

PROJE NO: 97.03.00.07

PROJE TARİHİ: 18.08.1997 – 1999.

3-PROJE ADI:Dihidropiridin Türevi Kalsiyum Kanal Antagonistlerinin Elektrokimyasal Dedektörlü Yüksek Basıncılı Sıvı Kromatografisi ile Kantitatif Analizi

PROJE ÇALIŞANLARI: Prof.Dr.Zühre ŞENTÜRK (Gazi Üniv.)

Dr. Nur Yars (İst.Üniv.) (Yürütücü)

Doç.Dr.Sibel A. ÖZKAN (Ank.Üniv.)

DESTEKLEYEN KURULUŞ: İstanbul Üniversitesi Araştırma Fonu

PROJE NO: 97.SA.69

PROJE TARİHİ: 1997 – 1999.

4-PROJE ADI:Bazı Antiviral ve Antibakteriyel İlaçların Elektroanalitik İncelenmesi

PROJE ÇALIŞANLARI:Prof.Dr.Sibel A. ÖZKAN (Ank. Üniv.) (Yürütücü)

Doç.Dr.Bengi USLU (Ank. Üniv.)

Doç.Dr. Sibel SÜZEN (Ank. Üniv.)

Doç.Dr. Yalçın ÖZKAN (GATA)

DESTEKLEYEN KURULUŞ: Ankara Üniversitesi Araştırma Fonu

PROJE NO: 20030803037

PROJE TARİHİ: 2003 –2005.

5-PROJE ADI:Bazı Hipolipidemik İlaçların Elektroanalitik İncelenmesi

PROJE ÇALIŞANLARI: Doç.Dr.Bengi USLU (Ank. Üniv.) (Yürütücü)

Prof.Dr.Sibel A. ÖZKAN (Ank. Üniv.)

Araş.Gör. Burcu DOĞAN (Ank. Üniv.)

DESTEKLEYEN KURULUŞ: Ankara Üniversitesi Araştırma Fonu

PROJE NO: 20030803043

PROJE TARİHİ: 2004 –2006 .

6-PROJE ADI: Bazı İlaç Aktif Maddelerinin Farmasötik Preparatlarda ve İnsan Serumu gibi Biyolojik Sıvılarda Elektroanalitik Metotlar (Voltametrik ve Polarografik Teknikler) ile Tayini

PROJE ÇALIŞANLARI: Doç.Dr.Selahattin YILMAZ (ÇOMU) (Yürütücü)

Prof.Dr.Sibel A. ÖZKAN (Ank. Üniv.)

Doç.Dr.Bengi USLU (Ank. Üniv.)

Dr. Yusuf DİLGİN

Araş.Gör. Sultan Çalışkan (ÇOMU)

Araş.Gör. Nur AKGÜN (ÇOMU)

Araş.Gör. Esin SÜREN (ÇOMU)

DESTEKLEYEN KURULUŞ: TÜBİTAK

PROJE NO: TBAG-2173

PROJE TARİHİ: 2003 – 2006.

7-PROJE ADI: Bazı antiviral ilaçların DNA ile etkileşmesinin elektrokimyasal olarak incelenmesi ve DNA biyosensörleri tasarımında kullanılması

PROJE ÇALIŞANLARI: Doç.Dr.Bengi USLU (Ank. Üniv.) (Yürütücü)

Prof.Dr.Sibel A. ÖZKAN (Ank. Üniv.)

Doç.Dr. Sinan Süzen (Ank. Üniv.)

Araş.Gör. Burcu DOĞAN (Ank. Üniv.)

Ecz. Duygu CANBAZ (Ank. Üniv.)

DESTEKLEYEN KURULUŞ: Ankara Üniv. Biyoteknoloji Araştırma Fonu

PROJE NO: G8-2006

PROJE TARİHİ: 2006 – 2008.

8-PROJE ADI: Sefalosporin grubu (lorakarbef, sefprozil, sefaklor, sefaperazone, sefodizim, seftazidime ve sefataxim) antibiyotiklerin Cu(II), Co(II), Ni(II), Zn(II), Cd(II), Fe(II), Fe(III), Pt(II), Pd(II) ve Ru(II) komplekslerinin sentezi, karakterizasyonu, elektroanalitik, kemilüminesans ve antibakteriyal özelliklerinin araştırılması

PROJE ÇALIŞANLARI: Doç. Dr. Ayşegül GÖLCÜ (Sütçü İmam Üniv.)
Yrd. Doç. Dr. Mustafa DOLAZ (Sütçü İmam Üniv.)
Kim. Abdurrahman CEREN (Sütçü İmam Üniv.)
Ecz. Burcu DOĞAN (Ank. Üniv.)
Kim. Mustafa Güngör (Sütçü İmam Üniv.)
Kim. Derya TARINÇ (Sütçü İmam Üniv.)
Prof. Dr. Sibel A. ÖZKAN (Ank. Üniv.)
Prof. Dr. Selahattin SERİN (Çukurova Üniv.)

DESTEKLEYEN KURULUŞ: TÜBİTAK

PROJE NO: 105T371

PROJE TARİHİ: 2006 – 2009.

9-PROJE ADI: Melatonin Analogu Yeni Antioksidan İlaç Etken Maddeleri Geliştirilmesi: Biyolojik Aktivite, Sitotoksikite ve Olası Metabolitlerinin In Vitro Elektrokimyasal Değerlendirilmeleri.

PROJE ÇALIŞANLARI: Prof. Dr. Sibel SÜZEN (Ank. Üniv.)
Prof. Dr. Seçkin ÖZDEN (Ank. Üniv.)
Ecz. Hanif Sirinzadeh (Ank. Üniv.)
Prof. Dr. Sibel A. ÖZKAN (Ank. Üniv.)
Uzm. Kim. Mehmet GUMUSTAS (Ank. Üniv.)

DESTEKLEYEN KURULUŞ: TÜBİTAK

PROJE NO: TÜBİTAK-109S099

PROJE TARİHİ: 2009 – 2011

10-PROJE ADI: Yeni nesil kolonlar kullanılarak bazı antiviral ilaçların sıvı kromatografik yöntemlerle eş zamanlı analizi ve optimizasyonu

PROJE AÇLIŞANLARI: Prof. Dr. Sibel A. ÖZKAN (Ank. Üniv.)
Uzm. Kim. Mehmet GUMUSTAS (Ank. Üniv.)

DESTEKLEYEN KURULUŞ: Ankara Üniversitesi Araştırma Fonu

PROJE NO: 12L3336003

PROJE TARİHİ: 2013 – 2014

11-PROJE ADI: Antineoplastik ilaç etken maddelerinin modifiye katı elektrotlar ile elektroanalitik incelenmesi ve nanosensör tasarımı

PROJE ÇALIŞANLARI: Prof. Dr. Sibel A. ÖZKAN (Ank. Üniv.)

Uzm. Kim. Nurgül Karadaş (Ank. Üniv.)

DESTEKLEYEN KURULUŞ: Ankara Üniversitesi Araştırma Fonu

PROJE NO: 12L3336002

PROJE TARİHİ:2013 – 2015

12-PROJE ADI: Çeşitli İlaçların Tirozinaz İnhibisyonundaki Rollerini İncelemek Amaçlı Elektrokimyasal Nanobiyosensor Tasarımı

PROJE ÇALIŞANLARI:Prof. Dr. Sibel A. ÖZKAN (Ank. Üniv.)

Uzm. Kim. Sevinç Kurbanoğlu (Ank. Üniv.)

DESTEKLEYEN KURULUŞ: Ankara Üniversitesi Araştırma Fonu

PROJE NO: 14L0237002

PROJE TARİHİ:2014 – 2015

13-PROJE ADI: Çeşitli İlaçların Meme Kanseri Tedavisinde Kullanılmak Üzere Fulvestrant Yüklü Polimerik Nanopartiküler Sistemlerin Geliştirilmesi

PROJE ÇALIŞANLARI: Doc. Dr. Canan Ogan Hascicek (Ank. Üniv.)

Yrd. Doc. Dr. Ceyda Tuba Sengel Turk (Ank. Üniv.)

Prof. Dr. Sibel A. ÖZKAN (Ank.Üniv.)

Uzm. Kim. Mehmet GUMUSTAS (Ank. Üniv.)

Yrd. Doc. Dr. Filiz Bakar (Ank. Üniv.)

Prof. Dr. NetDas Evcimen (Ank. Üniv.)

Prof. Dr. Yalcin Ozkan (GATA)

Assoc.Prof. Ayhan Savaser (GATA)

Prof. Dr. Turgay Celik (Yeditepe Univ.)

DESTEKLEYEN KURULUŞ: TUBITAK

PROJE NO: 112S290

PROJE TARİHİ:2012 – 2014

14) PROJE ADI: Antipsikotik Aripiprazol ilaç etken maddesinin DNA ve hasarlı DNA ile etkileşiminin elektrokimyasal olarak incelenmesine ait biyosensör geliştirilmesi

PROJE ÇALIŞANLARI: Prof. Dr. Sibel A. ÖZKAN (Ank. Üniv.)

Arş. Gör. Dr. Burcu Doğan Topal

Arş. Gör Sevinç Kurbanoğlu

DESTEKLEYEN KURULUŞ: Ankara Üniversitesi Araştırma Fonu

PROJE NO:15H0237001

PROJE TARİHİ:2015 – 2016