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**DATE of BIRTH and PLACE:** 01 January 1981; Akçakoca/Düzce-TURKEY

**MARITAL STATUS:** Married, one child

**ACADEMIC QUALIFICATIONS:**

2002: BS Pharmacist, Ankara University Faculty of Pharmacy

2005: Ms.Sci. in Analytical Chemistry, Ankara University Faculty of Pharmacy

2011: Ph.D. in Analytical Chemistry, Ankara University Faculty of Pharmacy

2016: Assoc. Prof. in Analytical Chemistry, Ankara University Faculty of Pharmacy

**CURRENT STATUS:** Assoc. Prof. in Ankara University, Faculty of Pharmacy, Department of Analytical Chemistry

**RESEARCH INTEREST:** Electrochemistry, Electrochemical Biosensor, Drug Analysis in Dosage forms and Biological Samples, Method Development and Validation, Liquid chromatography, Liquid chromatography- Mass spectrometry, Spectrophotometry.

**OTHER UNIVERSITY STUDIES**

- July- August 2005 - Research Scientist (worked with Prof. Emil Palecek), Institute of Biophysics, Lab of Biophysical Chemistry and Molecular Oncology, Brno, Czech Republic.
- 15 June – 15 August 2017 – Research Scientist (worked with Assoc. Prof. Henk Lingeman), Division of BioAnalytical Chemistry of the Department of Chemistry & Pharmaceutical Sciences of the Faculty of Sciences at Vrije Universiteit in Amsterdam

**PUBLICATIONS:**

1. Doğan, B., Uslu, B., Özkan,S.A., (2004). Anodic Adsorptive Stripping Voltammetry of the Hypertensive Drug Candesartan Cilexetil at a Glassy Carbon Electrode. *Die Pharmazie*. 11: 840- 844.
2. Doğan, B., Uslu, B., Özkan,S.A., (2005). Electrochemical Characterization of Flupenthixol and Rapid Determination of the Drug in Human Serum and Pharmaceuticals by Voltammetry. *Anal. Lett.*, 38: 641-656.
3. Uslu, B., Doğan, B., Özkan,S.A., Aboul-Enein,H.Y.,(2005). Voltammetric investigation and determination of mefloquine. *Electroanalysis* 17: 1563-1570.

4. Uslu, B., Doğan, B., Özkan, S.A., (2005). Electrochemical studies of ganciclovir at glassy carbon electrodes and its direct determination in serum and pharmaceuticals by square wave and differential pulse voltammetry. *Anal. Chim. Acta* 537: 307-313.
5. Gölcü, A., Doğan, B., Özkan, S.A., (2005). Anodic Voltammetric Behavior and Determination of Cefixime in Pharmaceutical Dosage Forms and Biological Fluids. *Talanta*, 67: 703-712.
6. Doğan, B., Uslu, B., Süzen, S., Özkan, S.A., (2005). Electrochemical evaluation of nucleoside analogue lamivudine in pharmaceutical dosage forms and human serum. *Electroanalysis*, 17: 1886-1894.
7. Gölcü, A., Doğan, B., Özkan, S.A., (2005). Anodic Voltammetric Behaviour and Determination of Antihistaminic Agent: Fexofenadine HCl. *Anal. Lett.*, 38: 1913-1931.
8. Doğan, B., Özkan, S.A., (2005). Electrochemical Behavior of Carvedilol and its Adsorptive stripping determination in dosage forms and biological fluids. *Electroanalysis*, 17: 2074-2083.
9. Uslu, B., Doğan, B., Özkan, S.A., Aboul-Enein, H.Y (2005). Electrochemical behavior of vardenafil on glassy carbon electrode: Determination in tablets and human serum. *Anal. Chim. Acta*, 552: 127-134.
10. Doğan, B., Canbaz, D., Özkan, S.A., Uslu, B., (2006) Electrochemical methods for determination of protease inhibitor indinavir sulfate in pharmaceuticals and human serum. *Die Pharmazie* 61: 409-413.
11. Özkan, S.A., Doğan, B., Uslu, B., (2006). Voltammetric analysis of the novel antipsychotic drug quetiapine in human serum and urine. *Microchim. Acta* 153: 27-35.
12. V. Ostadna, B. Uslu, B. Dogan, S.A. Özkan, E. Palecek (2006). Native and denatured bovine serum albumin. DC polarography, stripping voltammetry and constant current chronopotentiometry. *J. Electroanal. Chem.*, 593: 172-178.
13. Bozkaya, P., Dogan, B., Suzen, S., Nebioğlu, D., Özkan, S.A., (2006). Determination and Investigation of Electrochemical Behaviour of 2-Phenylindole Derivatives: Discussion on Possible Mechanistic Pathways. *The Canadian Journal of Analytical Sciences and Spectroscopy*. 51: 125-139.
14. Tuncel M., Dogrukol-Ak D., Yeniceli D., Uslu, B., Dogan B. (2006) Capillary electrophoretic determination of droperidol in tablets and human serum" *Chromatographia*, 63: 507- 511.
15. C.S. Erdurak-Kılıç, B. Uslu, B. Doğan, U. Özgen, S.A. Özkan, M. Coşkun (2006). Anodic voltammetric behavior and selective determination of ascorbic acid in pharmaceutical dosage forms and some rosa species of Turkey" *J. Anal. Chem.*, 61: 1113-1120.
16. Y. Altun, B. Dogan, S. A. Özkan, B. Uslu, (2007) Development and Validation of Voltammetric Techniques for Nabumeton in Pharmaceutical Dosage Form, Human Serum and Urine. *Acta Chimica Slovenica*, 54: 287-294.
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19. B. Dogan-Topal, S.A. Özkan, B. Uslu, (2007). Simultaneous Determination of Abacavir, Efavirenz and Valganciclovir in Human Serum Samples by Isocratic High-

- Performance Liquid Chromatography with DAD Detection, *Chromatographia*, S1: 25-30.
20. B. Dogan-Topal, B. Uslu, S.A. Özkan, (2007) 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 & High Throughput Screening, CC&HTS*, 10: 571-582.
  21. B. Dogan-Topal, B. Uslu, S.A. Özkan, P. Zuman, (2008) Electrochemical determination of HIV drug Abacavir based on its reduction. *Analytical Chemistry*, 80: 209-216.
  22. B. Uslu, B. Dogan-Topal, S.A. Özkan, (2008). Electroanalytical investigation and determination of pefloxacin in pharmaceuticals and serum at boron-doped diamond and glassy carbon electrodes. *Talanta*, 74: 1191-1200.
  23. B. Dogan-Topal, A. Golcu, M. Dolaz, S.A. Özkan, (2009) Electrochemical Behaviour of the Bactericidal Cefoperazone and Its Selective Voltammetric Determination in Pharmaceutical Dosage Forms and Human serum, *Current Pharmaceutical Analysis*, 5: 179-189.
  24. B. Dogan-Topal, A. Golcu, M. Dolaz, S.A. Özkan, (2009) 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: 197-207.
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42. Bozal B., Gümüştas M., Doğan-Topal B., Uslu B., Özkan, SA (2013) “Fully validated simultaneous determination of bisoprolol fumarate and hydrochlorothiazide in their dosage forms using different analytical methods” *Journal of AOAC International*, 96: 42-51.
43. Dogan-Topal B, Bozal-Palabıyık B, Uslu B, Ozkan S. A. (2013) ‘Multi-walled carbon nanotube modified glassy carbon electrode as a voltammetric nanosensor for the sensitive determination of anti-viral drug valganciclovir in pharmaceutical.’ *Sensors and Actuators B*, 177: 841-847.
44. Kurbanoglu, S, Dogan-Topal, B, Uslu, B, Can A, Ozkan SA (2013) Electrochemical Investigations of the Anticancer Drug Idarubicin Using Multiwalled Carbon Nanotubes Modified Glassy Carbon and Pyrolytic Graphite Electrodes, *Electroanalysis*, 25: 1473-1482.
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- nanotubes modified glassy carbon electrode on anticancer drug irinotecan and determination of its ionization constant value. *Talanta*, 115: 911-919.
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  49. Dogan Topal B, Özkan Sibel A., Uslu Bengi (2014). Direct electrochemistry of native and denatured alpha-2-Macroglobulin by solid electrodes. *Journal of Electroanalytical Chemistry*, 719: 14-18.
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  52. Dogan Topal Burcu, Bozal Palabiyik Burçin, Özkan Sibel Ayşıl, Uslu Bengi (2015). Electrochemical oxidation mechanism of anticancer drug Nilotinib. *Revue Roumaine de Chimie*, 60: 467-475.
  53. Kurbanoglu Sevinç, Dogan Topal Burcu, Lenka Hlavata, Jan Labuda, Özkan Sibel Aysıl, Uslu Bengi (2015). Electrochemical investigation of an interaction of the antidepressant drug aripiprazole with original and damaged calf thymus dsDNA. *Electrochimica Acta*, 169: 233-240.
  54. Sevinc Kurbanoglu, Burcu Dogan-Topal, Eva Plata Rodriguez, Burcin Bozal-Palabiyik, Sibel A. Ozkan, Bengi Uslu (2016). Advances in electrochemical DNA biosensors and their interaction mechanism with pharmaceuticals, *Journal of Electroanalytical Chemistry* 775: 8–26.
  55. G. Ozcelikay, B. Dogan-Topal, S. A. Ozkan (2017). Electrochemical characteristics of Tenofovir and its determination in dosage form by electroanalytical methods, *Rev. Roum. Chim.*, 62(6-7): 571-580, , <http://revroum.lew.ro/wp-content/uploads/2017/6/Art%2017.pdf>

## CHAPTERS

1. Burcu Dogan Topal, Bengi Uslu, Sibel A. Ozkan. Handbook of Food Bioengineering (Multi Volume Set) – Elsevier Chapter 11. Elsevier Detection of Prevented DNA Damage by Therapeutic Foods, 281-311. ISBN: 978-0-12-811519-0 Detection of Prevented DNA Damage by Therapeutic Foods, 281-311. ISBN: 978-0-12-811519-0