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Assist. Prof. Dr. USAMA ALSHANA

November 16, 2015

PERSONAL INFORMATION

Marital status Married and has a daughter (Lina, ~6.5 years) and a son (Ahmed, ~3.5 years)

Nationality Palestinian/Turkish

Date of birth December 18, 1977

Place of birth Khanyounis, Gaza Strip, Palestine

EDUCATION

1992 – 1995 Haroun Ar-Rasheed High School, Scientific Stream, Khanyounis City, Gaza Strip, Palestine.

1995 – 1996 Preparation for University Entrance Exam (YÖS), Ankara, TURKEY

1996 – 1997 Department of Basic English, Middle East Technical University (METU), Ankara, TURKEY

September 1997 – August 2001 BS in chemistry (CGPA: 2.63/4.00)
Department of Chemistry
Middle East Technical University (METU), Ankara, TURKEY

* 2000 -2001, Analytical Chemistry Option.

September 2001 – December 2004 MS in analytical chemistry (CGPA: 3.00/4.00)
Department of Chemistry
Middle East Technical University (METU),
Ankara, TURKEY
Supervisor: Prof. Dr. R. Sezer Aygün

Thesis title: Separation and quantitation of some platinum group metals by RP-HPLC.

September 2007 – March 2013 Ph.D. in analytical chemistry (CGPA: 4.00/4.00)
Department of Analytical Chemistry
Faculty of Pharmacy
Gazi University
Ankara, TURKEY
Supervisor: Prof. Dr. Nusret Ertas
Co-supervisor: Prof. Dr. O. Yavuz Ataman

Thesis title: Speciation studies by capillary electrophoresis (CE) and high performance liquid chromatography-hydride generation-atomic fluorescence spectrometry (HPLC-HG-AFS).

LANGUAGES	Arabic (Native) English (Fluent) Turkish (Fluent)
WORK EXPERIENCE	<p>June – July, 2000 Summer Practice, Emergency Unit, Biochemistry Laboratory. Cerrahpaşa Faculty of Medicine, Istanbul University, Istanbul, Turkey</p> <p>2002 – 2014 Delta Translation Office, Ankara, Turkey English – Arabic Arabic – English Turkish – Arabic</p> <p style="padding-left: 40px;">* May 2004, Translator for the Organization of the Islamic Conference (OIC), Antalya, Turkey</p> <p>2004 – 2014 Pakistan Embassy International Study Group, Ankara, Turkey (Affiliated with <i>University of Cambridge</i>, UK)</p> <p style="padding-left: 40px;">* 9th – 12th Grades, Cambridge IGCSE and A-Level Chemistry Teacher</p> <p style="padding-left: 40px;">* 2007 – 2014, <i>University of Cambridge</i> IGCSE and A-Level Coordinator</p> <p style="padding-left: 40px;">* Certificate from <i>University of Cambridge</i> on teaching A-Level Chemistry (April 2010)</p> <p>2014 – 2015 Assist. Prof. Dr. of Analytical Chemistry Department of Food Engineering, Faculty of Engineering and Architecture, Avrasya University, Trabzon, Turkey.</p> <p>2015 – Present Assist. Prof. Dr. of Analytical Chemistry Faculty of Pharmacy, Near East University, Nicosia, TRNC</p>
ADMINISTRATIVE TASKS	<p>December 2014 – July 2015 Deputy Director of the Institute of Science and Technology, Avrasya University, Trabzon, Turkey.</p> <p>April 2015 – July 2015 Department of Food Engineering, Faculty of Engineering and Architecture, Erasmus Coordinator, Avrasya University, Trabzon, Turkey.</p>

COURSES TAUGHT

Year	Semester	Course	h/week		Number of students
			Theoretical	Practical	
2014-2015	Fall	General chemistry I (BSc)	3	2	290
		Instrumental analysis (BSc)	2	2	6
		Organic chemistry I (BSc)	3	-	5
		Physical chemistry (BSc)	3	-	12
		Technical English I (BSc)	2	2	16
	Spring	Analytical chemistry (BSc)	2	2	9
		Food chemistry	2	2	7
		General chemistry II (BSc)	3	2	20
		Organic chemistry I (BSc)	3	2	9
		Organic chemistry II (BSc)	3	2	10
Technical English II (BSc)	2	2	15		
2015-2016	Fall	Analytical chemistry II (BSc)	2	0	167
		Analytical chemistry II Lab. (BSc)	0	1	114
		Separation Techniques (MS)	3	0	5
		Chromatographic Methods and Applications I (Ph.D.)	3	3	2

RESEARCH INTERESTS

Chromatographic and electrodriven separation sciences,
 Elemental speciation analysis,
 Microextractions,
 Green analytical chemistry.

TECHNICAL EXPERIENCE

Capillary Electrophoresis (CE)
 High Performance Liquid Chromatography (HPLC)
 Hydride Generation-Atomic Fluorescence Spectrometry (HG-AFS)
 Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)
 Gas Chromatography (GC)
 Atomic Absorption and Emission Spectrophotometry (AAS and AES)
 Inductively Coupled Plasma-Optical Emission Spectrometry (ICP-OES)
 Ultraviolet/Visible Spectrophotometry (UV/VIS)
 Fourier Transform Infrared Spectroscopy (FTIR)

PROJECTS

1. Evaluation of health risks in individuals living in areas with arsenic contamination in drinking water by molecular epidemiological methods. The Scientific and Technological Research Council of Turkey (TÜBİTAK), Project No. 109S419.

2. Dispersive liquid-liquid microextraction for the determination of bisphenol A in water and urine samples and beta(2)-agonists in bovine urine by capillary electrophoresis. Gazi University, Department of Scientific Research Projects, (BAP- Project No 02/2010-32).
3. Ultrasound-assisted emulsification and dispersive liquid-liquid microextraction for the determination of ephedrines in human urine and non-steroidal anti-inflammatory drugs in milk and dairy products by capillary electrophoresis. Gazi University, Department of Scientific Research Projects, (BAP- Project No 02/2010-02).
4. Separation and quantitation of some platinum group metals by high performance liquid chromatography Middle East Technical University, Scientific Research Fund (BAP- Project No: 2002-07-02-00-40).

PUBLICATIONS

JOURNAL PAPERS

1. M. Gümüştaş, **U. Alshana**, N. Ertaş, N. G. Göğçer, S. A. Özkan, B. Uslu, Determination of antazoline and tetrahydrozoline in ophthalmic solutions by capillary electrophoresis and stability indicating HPLC methods. Journal of Pharmaceutical and Biomedical Analysis. Submitted.
2. S. İ. Tamer, İ. T. Değim, F. Acartürk, **U. Alshana**, Penetration properties of *p*-hydroxybenzoic acid derivatives through human skin. Current Pharmaceutical Analysis. Accepted.
3. **U. Alshana**, N. Ertaş, N. G. Göğçer, Determination of parabens in human milk and other food samples by capillary electrophoresis after dispersive liquid-liquid microextraction with back-extraction. Food Chemistry, 181 (2015) 1-8.
4. **U. Alshana**, I. Lubbad, N. G. Göğçer, İ. Çok, U. Tamer, N. Ertaş. Dispersive liquid-liquid microextraction based on solidification of floating organic drop combined with counter-electroosmotic flow normal stacking mode in capillary electrophoresis for the determination of bisphenol A in water and urine samples. Journal of Liquid Chromatography & Related Technologies, 36 (2013) 2855-2870.
5. M. F. Us, **U. Alshana**, I. Lubbad, N. G. Göğçer, N. Ertaş. Dispersive liquid-liquid microextraction based on solidification of floating organic drop combined with field-amplified sample injection in capillary electrophoresis for the determination of beta(2)-agonists in bovine urine. Electrophoresis, 34 (2013) 854-861.

6. **U. Alshana**, N. G. Göğer, N. Ertaş. Dispersive liquid-liquid microextraction combined with field-amplified sample stacking in capillary electrophoresis for the determination of non-steroidal anti-inflammatory drugs in milk and dairy products. *Food Chemistry*, 138 (2013) 890–897.
7. **U. Alshana**, N. G. Göğer, N. Ertaş. Ultrasound-assisted emulsification microextraction for the determination of ephedrine in human urine by capillary electrophoresis with direct injection. Comparison with dispersive liquid–liquid microextraction. *Journal of Separation Sciences*, 35 (2012) 2114–2121.
8. **U. Alshana**, R. S. Aygün. Determination of platinum and palladium in soil as their chelates with N,N-Diethyl-N'-benzoylthiourea by RP-HPLC. *Journal of Liquid Chromatography & Related Technologies*, 34 (2011) 1326–1339.

CONFERENCE PRESENTATIONS

1. **U. Alshana**, N. Ertaş, N. G. Göğer. Dispersive liquid-liquid microextraction prior to capillary electrophoresis for the determination of parabens in personal care products, human urine and saliva. International Gazi Pharma symposium series (GPSS 2015) (Antalya, Turkey: 12–15 November 2015).
2. E. Kadioğlu, G. Ç. Demircigil, A. R. Öztürk, N. D. Hisarlı, E. Asik, **U. Alshana**, N. Ertaş, C. R. Celebi, E. Atabey, O. Y. Ataman, H. Serce, N. Bilir, A. M. Tuncer, S. Burgaz. Gene expression levels in individuals exposed to inorganic arsenic via drinking water. International Gazi Pharma symposium series (GPSS 2015) (Antalya, Turkey: 12–15 November 2015).
3. Y. Danmaraya, **U. Alshana**, F. Meriçli. Dispersive liquid-liquid microextraction of caffeine from cola seeds and its quantitation using high-performance liquid chromatography. International Gazi Pharma symposium series (GPSS 2015) (Antalya, Turkey: 12–15 November 2015).
4. B. Altun, G. C. Demircigil, E. Kadioglu, N., **U. Alshana**, E. Asik, N. D. Hisarlı, C. R. Celebi, E. Atabey, O. Y. Ataman, H. Serce, N. Bilir, A. M. Tuncer, S. Burgaz. The frequency of micronucleus and other nuclear anomalies in exfoliated buccal cells of individuals chronically exposed to low to moderate levels of arsenic via drinking water. International Gazi Pharma symposium series (GPSS 2015) (Antalya, Turkey: 12–15 November 2015).

5. S. Burgaz, N. Ertaş E., G. C. Demircigil, E. Kadioglu, **U. Alshana**, E. Asik, N. D. Hisarli, B. Altun, S. Bora, C. R. Celebi, E. Atabey, O. Y. Ataman, H. Serce, N. Bilir, M. Tuncer. İçme sularında arsenik kirliliği olan bölgelerde yaşayan bireylerdeki sağlık risklerinin moleküler epidemiyolojik yöntemlerle araştırılması. Ulusal Su ve Sağlık Kongresi (Antalya, Turkey: 26–30 October 2015).
6. **U. Alshana**, N. Ertaş, N. G. Göğer. Dispersive liquid-liquid microextraction as an efficient sample cleanup and preconcentration technique prior to capillary electrophoresis. International Multidisciplinary Symposium on Drug Research and Development (Eskişehir, Turkey: 15–17 October 2015).
7. **U. Alshana**, N. G. Göğer, N. Ertaş. Optimization of a capillary electrophoresis method for the determination of antazoline and tetrahydrozoline in ophthalmic solutions. 11th International Symposium on Pharmaceutical Sciences (ISOPS-11) (Ankara, Turkey: 09–12 June 2015).
8. E. Kadioglu, N. D. Hisarli, E. Asik, G. C. Demircigil, **U. Alshana**, N. Ertaş, C. R. Celebi, E. Atabey, O. Y. Ataman, H. Serce, N. Bilir, A. M. Tuncer, S. Burgaz. Arsenic (+3) methyltransferase, and glutathione S-transferase omega genetic variants associated with arsenic susceptibility: Influences on As metabolism and skin lesions. SOT Annual Meeting (San Diego, USA: 22–26 March 2015).
9. S. Burgaz, N. Ertaş, **U. Alshana**, B. Altun, N. D. Hisarlı, E. Aşık, G. Ç. Demircigil, E. Kadioğlu, C. R. Çelebi, E. Atabey, O. Y. Ataman, H. Serçe, N. Bilir, A. M. Tuncer. Arsenic levels of residents of Nevşehir province, Turkey. The 5th International Congress on Arsenic in the Environment (As2014) (Buenos Aires, Argentina: 11–16 May 2014).
10. N. Ertaş, **U. Alshana**, B. Altun, N. D. Hisarlı, E. Aşık, G. Ç. Demircigil, E. Kadioğlu, C. R. Çelebi, E. Atabey, O. Y. Ataman, H. Serçe, N. Bilir, A. M. Tuncer, S. Burgaz. Total arsenic determination in hair and urine samples from residents of Nevşehir Province, Turkey. Speciation studies in urine samples. IMA 2013-Instrumental Methods of Analysis-Modern Trends and Applications (Thessaloniki, Greece: 15–19 September 2013).
11. B. Altun, N. Ertaş, **U. Alshana**, N. D. Hisarlı, E. Aşık, G. Ç. Demircigil, E. Kadioğlu, C. R. Çelebi, E. Atabey, O. Y. Ataman, H. Serçe, N. Bilir, A. M. Tuncer, S. Burgaz. Hair arsenic concentrations of residents living in Nevşehir province, Turkey. EUROTOX 2013 (Interlaken, Switzerland: 01–04 September 2013).

12. B. Altun, N. Ertaş, **U. Alshana**, N. D. Hisarlı, E. Aşık, G. Ç. Demircigil, E. Kadioğlu, C. R. Çelebi, E. Atabey, O. Y. Ataman, H. Serçe, N. Bilir, A. M. Tuncer, S. Burgaz. Nevşehir Bölgesinde Yaşayan İnsanların Saç Örneklerinde Toplam Arsenik Tayini “Total arsenic determination in hair samples from residents of Nevşehir Province, Turkey”. XIII. Ulusal Spektroskopi Kongresi (Burdur, Turkey: 15–18 May, 2013).
13. I. Lubbad, **U. Alshana**, N. Ertaş. Kutu süt numunesinde alkilfenol bileşiklerinin dispersif sıvı-sıvı mikroekstraksiyon sonrası kapiler elektroforez ile tayini “Dispersive liquid-liquid microextraction of alkyphenols in bottled milk prior to field-amplified sample stacking in capillary electrophoresis”. XIII. Ulusal Spektroskopi Kongresi (Burdur, Turkey: 15–18 May, 2013).
14. **U. Alshana**, N. G. Göğçer, N. Ertaş. Dispersive liquid-liquid microextraction combined with field-amplified sample stacking in capillary electrophoresis for the determination of non-steroidal anti-inflammatory drugs in milk and dairy products. The 8th Aegean Analytical Chemistry Days (AACD) (İzmir, Turkey: 16–20 September, 2012).
15. M. F. Us, **U. Alshana**, I. Lubbad, N. Ertaş. Determination of four beta(2)-agonists in bovine urine using dispersive liquid-liquid microextraction and gas chromatography-mass spectrometry. The 8th Aegean Analytical Chemistry Days (AACD) (İzmir, Turkey: 16–20 September, 2012).
16. **U. Alshana**, N. Ertaş, O. Y. Ataman, E. Kadioğlu, N. D. Hisarlı, E. Aşık, G. Ç. Demircigil, C. R. Çelebi, E. Atabey, H. Serçe, N. Bilir, A. M. Tuncer, S. Burgaz. Speciation of urinary arsenic in Nevşehir area, Turkey, by high performance liquid chromatography coupled to hydride-generation atomic fluorescence spectrometry. The 8th Aegean Analytical Chemistry Days (AACD) (İzmir, Turkey: 16–20 September, 2012).
17. **U. Alshana**, N. G. Göğçer, N. Ertaş. Dispersive liquid-liquid microextraction combined with field-amplified sample stacking-capillary electrophoresis for the determination of non-steroidal anti-inflammatory drugs in milk and dairy. VI. Ulusal Analitik Kimya Kongresi (Hatay, Turkey: 03–07 September 2012).

18. M. F. Us, **U. Alshana**, I. Lubbad, N. G. Göğ̈er, N. Ertař. A novel combination of dispersive liquid-liquid microextraction based on solidification of floating organic drop with field-amplified sample injection capillary electrophoresis for preconcentration and determination of beta(2)-agonists in bovine urine. VI. Ulusal Analitik Kimya Kongresi (Hatay, Turkey: 03–07 September 2012).
19. **U. Alshana**, I. Lubbad, N. G. Göğ̈er, İ. Çok, U. Tamer, N. Ertař. Dispersive liquid-liquid microextraction based on solidification of floating organic drop combined with counter-electroosmotic flow normal stacking mode in capillary electrophoresis for the determination of bisphenol A in water and urine samples. VI. Ulusal Analitik Kimya Kongresi (Hatay, Turkey: 03–07 September 2012).
20. E. Kadiođlu, N. D. Hisarlı, E. Ařık, G. Ç. Demircigil, **U. Alshana**, N. Ertař, C. R. Çelebi, E. Atabey, O. Y. Ataman, H. Serçe, N. Bilir, A. M. Tuncer, S. Burgaz. AS3MT gene polymorphism in residents exposed to inorganic arsenic via drinking water. EUROTOX 2012 (Stockholm, Sweden: 17–20 June 2012).
21. **U. Alshana**, N. G. Göğ̈er, N. Ertař. Solidification of organic drop microextraction followed by online back-extraction in capillary electrophoresis. IMA 2011-Instrumental Methods of Analysis-Modern Trends and Applications (Chania, Crete, Greece: 18–22 September 2011).
22. **U. Alshana**, I. Lubbad, N. G. Göğ̈er, İ. Çok, U. Tamer, N. Ertař. Solidification of organic drop microextraction combined with capillary electrophoresis for preconcentration and determination of bisphenol A in water samples. IMA 2011-Instrumental Methods of Analysis-Modern Trends and Applications (Chania, Crete, Greece: 18–22 September 2011).
23. S. Yarımkaaya, **U. Alshana**, N. Ertař, N. G. Göğ̈er. Separation and determination of ephedrine, norephedrine and guaifenesin in pharmaceutical syrup and biological samples using micellar electrokinetic chromatography. IMA 2011-Instrumental Methods of Analysis-Modern Trends and Applications (Chania, Crete, Greece: 18–22 September 2011).
24. **U. Alshana**, N. Ertař. Speciation of arsenic and antimony by capillary electrophoresis. The 7th Aegean Analytical Chemistry Days (AACD) (Lesvos, Greece: 29 September–3 October, 2010).

25. **U. Alshana**, N. Ertaş. Separation, on-line preconcentration and speciation of arsenic and antimony by micellar electrokinetic chromatography. 5. Ulusal Analitik Kimya Kongresi (Erzurum, Turkey: 21–25 June, 2010).
26. **U. Alshana**, R. S. Aygün. Separation and quantitation of Pt(II) and Pd(II) chelates with N,N-diethyl-N'-benzoylthiourea by reversed-phase high performance liquid chromatography. The 35th International Symposium on High Performance Liquid Phase Separations and Related Techniques 'HPLC 2010' (Boston, MA, USA: 19–24 June, 2010).
27. **U. Alshana**, R. S. Aygün. Optimization of a HPLC method for separation of some platinum group metals. The 3rd Black Sea Basin Conference on Analytical Chemistry, Process Related Environmental Analytical Chemistry (Constanta, Romania: 12–14 September, 2005).
28. **U. Alshana**, R. S. Aygün. Separation and enrichment of platinum and palladium in soil, adapted to their determination by RP-HPLC. The 1st International Conference on Air Pollution and Combustion (Ankara, Turkey: 22–25 June, 2005).
29. **U. Alshana**, H. Refiker, S. Tuncel, R. S. Aygün. Separation and quantitation of some platinum group metals by high performance liquid chromatography. The 4th Aegean Analytical Chemistry Days (AACD) (Aydın, Turkey: 29 September–3 October 2004).
30. H. Refiker, **U. Alshana**, M. Merdivan, R. S. Aygün. Preconcentration of some precious metals using N,N-diethyl-N'-benzoylthiourea impregnated resin. The 4th Aegean Analytical Chemistry Days (AACD) (Aydın, Turkey: 29 September–3 October 2004).

REFEREE ACTIVITIES

Contribution to peer review activities for the following journals:

- Journal of Liquid Chromatography & Related Technologies,
- Analytical Letters,
- Electrophoresis,
- Talanta
- Journal of Chromatography A.

FELLOWSHIPS AND AWARDS

1. The Scientific and Technological Research Council of Turkey (TÜBİTAK), Scientific Publications Incentive Award "Bilimsel Yayın Teşvik Ödülü", 2015 (1).

2. The Scientific and Technological Research Council of Turkey (TÜBİTAK), Scientific Publications Incentive Award “Bilimsel Yayın Teşvik Ödülü”, 2013 (2).
3. The Scientific and Technological Research Council of Turkey (TÜBİTAK), Scientific Publications Incentive Award “Bilimsel Yayın Teşvik Ödülü”, 2012 (1).
4. Republic of Turkey Ministry of Higher Education Ph.D. Fellowship for Foreign Students, 2009–2013.
5. The Scientific and Technological Research Council of Turkey (TÜBİTAK), Ph.D. Fellowship for Foreign Country Citizens, 2007–2012.
6. Republic of Turkey Prime Ministry, Bachelor Fellowship for Foreign Students, 1996–2001.

REFERENCES

1. Prof. Dr. Nusret Ertaş Department of Analytical Chemistry
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2. Prof. Dr. O. Yavuz Ataman Department of Chemistry
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3. Prof. Dr. Nilgün G. Göğer Department of Analytical Chemistry
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