

RESUME

PERSONAL INFORMATION

First Name	Alireza
Surname	Shafaati
Date and Place of Birth	May 1963, Tehran
Nationality	Iranian
Marital Status:	Married (Two children)
Home Address:	Tehran, Iran
Work Address:	School of Pharmacy, Shaheed Beheshti Univ. of Med. Sci. P.O. Box 14155-6153, Tehran, Iran
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EDUCATIONS

Pharm.D. (equals to M.Pharm.):	1982-1987 Tehran University, Iran
Ph.D in Phram. Analysis:	1992-1995 University of Bradford, UK
Subbatical Studies	2004 University of Alberta

EXPERIENCES

Scientific Consultant 1986-1989 DarouPakhsh Pharmaceutical Co. (Tehran, Iran)	Preparing public and professional educational books and booklets on drug information.
Scientific Consultant 1997-now Ministry of Health of I.R.Iran	Consulting on pharmaceutical analysis issues
Academic Member 1988- now School of Pharmacy Shaheed Beheshti Univ. Med. Sci.	
Instructor 1988-1992	Organic Chemistry lab.
Assistant Professor 1996-2001	Pharm. Chem., Pharm. Anal. lectures
Associate Professor 2001-now	Pharm. Chem., Pharm. Anal. lectures
Scientific Director 2000-now Tavan R&D Institute, Ltd. (Tehran, Iran)	Designing analytical protocol, managing analytical team and presenting results, in contract R&D studies

RESEARCH TOPICS

Drug Analysis and quality control	More than 150 cases
Post Marketing Surveillance (PMS) Studies:	65 cases
Bioequivalence Studies:	120 cases
Pre-formulation Studies:	45 cases
Analytical Toxicology:	5 cases

PUBLICATIONS

Books

- 1) Mahmoudi, M (Ed.) Iranian Generic Drug Information, 1st ed., DarouPakhsh Co., Tehran (1988) (Year Book of Iran in Medicine 1989) (3 editions, in Persian)
- 2) Cherahgali, A. (Ed.) Iranian National Formulary, 1st ed., Ministry of Health, Tehran (1998) (in Persian)
- 3) Cherahgali, A. (Ed.) Iranian National Formulary, 2nd ed., Ministry of Health, Tehran, (2000) (in Persian)
- 4) Shafaati, A. (Ed.) Iranian National Formulary, 3rd ed., Ministry of Health, Tehran, (2004) (in Persian)
- 5) Shafaati, A. Buffers: Principles and Practices. Olum Darouiee Press, Tehran, 2005 (in Persian)
- 6) Foroutan, S.M.; Shafaati, A. and Zarghi, A. Protocols of stability studies of drug products. Olum Darouiee Press, Tehran, 2005 (in Persian)
- 7) Abofazeli, R.. (Ed.) Iranian National Formulary, 4th ed., Ministry of Health, Tehran, (2007) (in Persian)

Papers

- 1) Shafiee, A.; **Shafaati, A.** and Habibi-Khameneh, B. "Selenium Heterocycles XXXIX: Synthesis of thieno (3,4-d) thiazole, selenolo (3,4-d) thiazole, thieno (3,4-d) selenazole and selenolo (3,4-d) selenazole" *J. Heterocyclic Chem.*, **26**, 709 (1989)
- 2) **Shafaati, A.** and Clark, B.J "Development of a capillary zone electrophoresis for atenolol and its related impurities in tablet preparation" *Anal. Proceed.*, **30**, 481 (1993)
- 3) **Shafaati, A.** and Clark, B.J. "Development and Validation of a capillary zone electrophoresis for determination of atenolol in presence of its related substances in bulk and tablet dosage form" *J. Pharm. Biomed. Anal.* , **14**, 1547 (1996)
- 4) Yazdanpanah, H.; Khoshnood, M.; **Shafaati, A.**; Rasekh, H.R.; Gilani, K. and Moradkhani, M. "Evaluation of natural occurrence of Fusarium mycotoxins in wheat field of Northern Iran" *Cereal Res. Commun.*, **25**(3/1), 337 (1997)
- 5) Daraiee, B.; Shaker Ardakani, M.; **Shafaati, A.** and Rasekh, H.R. "Investigating contamination of some brands of biscuits to Fusarium mycotoxins" *Pajouhandeh*, **11**, 113 (1998) (in Persian)
- 6) **Shafaati, A.**; Aboofazeli, R and Ahmadi-Zar, F. "Formulation and evaluation of sterile eye solution of 2/5% w/v povidone-iodine" *Pajouhandeh*, **17**, 85 (2000) (in Persian)
- 7) **Shafaati, A.** and Clark, B.J. "Determination of azathioprine and its related substances by capillary zone electrophoresis and its application to

- pharmaceutical dosage forms assay” *Drug Develop. Industr. Pharm.*, 26(3), 267 (2000)
- 8) Houshdar Tehrani H., Zarghi A., **Shafaati, A.** and Majlessi S. “A new method for synthesis of phenazopyridine and its physicochemical characterisation” *Pajouhandeh*, 2, 189 (2001) (in Persian)
 - 9) Zarghi A., **Shafaati A.** “Rapid determination of acetazolamide in human plasma” *J. Pharm. Biomed. Anal.* , 28, 169 (2002)
 - 10) Shephard G.S., Marasas W.F.O., Yazdanpanah H., Rahimian H., Safavi N., Zarghi A., **Shafaati A.** and Rasekh H. “Fumonisin B₁ In maize harvested in Iran during 1999” *Food Additives and Contaminants*, 19(7), 676 (2002)
 - 11) Oveisi M.R., Jannat B., **Shafaati A.** and Hamed M. “Determination of selenium in infant formula by differential pulse cathodic stripping voltametry” *Darou*, 10, 28 (2002)
 - 12) Aboofazeli R. and **Shafaati A.** “Comparative bioavailability of ranitidine tablets in healthy volunteers” *Iranian J. Pharmaceut. Res.* 1, 1 (2002)
 - 13) **Shafaati A.** and Clark B.J. “Evaluation of acetonitrile deproteinisation of the serum samples for the analysis of drugs in serum using capillary zone electrophoresis” *Iranian J. Pharmaceut. Res.* 1, 43 (2002)
 - 14) Zarghi A., Foroutan S.M., **Shafaati A.** and Khoddam A. “Rapid determination of metformin in human plasma using ion-pair HPLC” *J. Pharm. Biomed. Anal.* 31, 197 (2003)
 - 15) Foroutan S.M., Zarghi A., **Shafaati A.** and Khoddam A. “Bioequivalence studies of two Iranian generic formulations of captopril in healthy volunteers” *Arch. Iranian Med.* 6(1) 44 (2003)
 - 16) Shafaati A. and Clark B.J. “Determination of acyclovir and its related substances guanine in bulk and tablet preparations by capillary electrophoresis” *Iranian J. Pharmaceut. Res.* 2, 71 (2003)
 - 17) Foroutan S.M., **Shafaati A.**, Zarghi A. and Khoddam A. “Bioequivalence studies of two formulations of baclofen tablets in healthy volunteers” *Iranian J. Pharmaceut. Res.* 2, 153 (2003)
 - 18) Nafissi N, **Shafaati A.**, Zarghi A. and Aboofazeli R. "Separation of somatropin and its degradation products by HPLC" *Iranian J. Pharmaceut. Res.* 4, 209 (2003)
 - 19) Foroutan S.M., Zarghi A., **Shafaati A.** and Khoddam A. “Simple high-performance liquid chromatographic determination of buspirone in human plasma” *Farmaco* 59, 739 (2004)
 - 20) Zarghi A., **Shafaati A.**, Foroutan S.M. and Khoddam A. “Rapid determination of minoxidil in human plasma using ion-pair HPLC” *J. Pharm. Biomed. Anal.* 36, 377 (2004)
 - 21) Yazdanpanah H., Gheidari P.E., Homami Seyed N.S., Mirkarimi S.K., Zarghi A., Shephard G.S., Marasas W.F.O., **Shafaati A.** and Rasekh H. “natural occurrence fumonisin B₁ In maize and its risk in Iran” *New Horizon of mycotoxicology for assuring food safety (proceeding)*, p. 159 (2004)
 - 22) Alavi S.H., Mortazavi S.A., **Shafaati A.** and Hosseinimehr S.J. “Evaluation of physico-chemical and pharmaceutical parameters of glibenclamide tablets” *Chemistry: An Indian Journal* 1(10), 697 (2005)
 - 23) Shafaati A. and Lucy C.A. “Application of capillary zone electrophoresis with indirect uv detection to the determination of a model drug, vigabatrin, in dosage forms” *J. Pharm. Pharmaceut. Sci.* 8(2) 190(2005)
 - 24) Shafaati A., Zand Karimi M., Foroutan S.M. and Hassani Olliaee N. “Effect Of Capillary Rinsing Protocol On The Reproducibility Of Separation In Capillary Electrophoresis With Indirect UV Detection” *Iranian J. Pharmaceut. Res.* 1, 57 (2005)

- 25) Zand Karimi M., Shafaati A., Foroutan S.M. and Hassani Oliiae N. "Separation of tramadol enantiomers by capillary electrophoresis using highly sulfated cyclodextrins" *Daru* 13(4) 143 (2005)
- 26) Foroutan, S.M., Zarghi, A., **Shafaati, A.**, Khoddam, "Rapid high performance liquid chromatographic determination of risperidone In human plasma" *Iranian J. Pharmaceut. Res.* 1, 37 (2005)
- 27) Zarghi, A., Foroutan, S.M., **Shafaati, A.**, Khoddam, "Simple and Rapid HPLC Method for Determination of Atorvastatin in Human Plasma with UV Detection and Its Application to Pharmacokinetic Studies" *Arzneim. Forsch./Drug Research* 55 (8), 451 (2005).
- 28) Zarghi, A., Foroutan, S.M., **Shafaati, A.**, Khoddam, "A rapid HPLC method for the determination of losartan in human plasma using a monolithic column" *Arzneim. Forsch./Drug Research* 55(10) 569 (2005)
- 29) Zarghi, A., Foroutan, S.M., **Shafaati, A.**, Khoddam, "Validated HPLC method for determination of amlodipine in human plasma and its application to pharmacokinetic studies" *Il Farmaco* 60, 789 (2005)
- 30) Zarghi, A., **Shafaati, A.**, Foroutan, S.M., Khoddam, "Development of a rapid HPLC method for determination of famotidine in human plasma using a monolithic column" *J. Pham. Biomed. Anal.* 39, 677 (2005)
- 31) Zarghi, A., Foroutan, S.M., **Shafaati, A.**, Khoddam, " Development of an ion-pair liquid chromatographic method for determination of sotalol in plasma using a monolithic column" *J. Pham. Biomed. Anal.* 41, 1433 (2006)
- 32) Zarghi, A., Foroutan, S.M., **Shafaati, A.**, Khoddam, "HPLC determination of omeprazole in human plasma using a monolithic column" *Arzneim. Forsch./Drug Research* 56 (6), 382 (2006).
- 33) Zarghi, A., **Shafaati, A.**, Foroutan, S.M., Khoddam, "Simple and rapid high-performance liquid chromatographic method for determination of celecoxib in plasma using UV detection" *J. Chromatogr. B* 835, 100 (2006)
- 34) Zarghi, A., Foroutan, S.M., **Shafaati, A.**, Khoddam, "Quantification of carvedilol in human plasma by liquid chromatography using fluorescence detection" *J. Pham. Biomed. Anal.* 44, 250 (2006)
- 35) **Shafaati A.** "Chiral Drugs: Current status of the industry and the market" *Iranian J. Pharmaceut. Res.* 6(2), 73 (2007) [Editorial]
- 36) Foroutan S.M., Zarghi A., **Shafaati A.**, Khoddam A. and Movahed H. "Simultaneous determination of amoxicillin and clavulanic acid in human plasma by isocratic reversed-phase HPLC using UV detection" *J. Pharm. Biomed. Anal.* 45, 531 (2007)
- 37) Zarghi, A., Foroutan, S.M., **Shafaati, A.**, Khoddam, "HPLC determination of letrozole in plasma using fluorescence detection" *Chromatographia* 66, 747 (2007).
- 38) Zarghi, A., **Shafaati, A.**, Foroutan, S.M., Khoddam A. And Movahed H., "Rapid quantification of valsartan in human plasma by HPLC using monolithic column" *Sci. Pharm.* 76, 439 (2008)
- 39) Zarghi A., **Shafaati A.**, Foroutan S.M., Movahed H. and Khoddam A. " A rapid HPLC method for the determination of pantoperazole in plasma using UV detection" *Arzneim. Forsch./Drug Research* 58 (9), 441 (2008)
- 40) Zandkarimi M., **Shafaati A.** and Foroutan S.M. "Chiral separation of basic & zwitterionic drugs by HSCD using CE" *Iranian J. Pharmaceut. Res.* 7 (4), 257 (2008)
- 41) **Shafaati A.**, Zarghi A., Foroutan S.M., Khoddam A. and Madadian B " Rapid and Sensitive Determination Of Montelukast in Human Plasma by High Performance Liquid Chromatographic Method Using Monolithic Column: Application to Pharmacokinetic Studies" 2(6): 135(2010)

- 42) Foroutan, S.M., Zarghi, A., **Shafaati, A.**, Movahed, H, Khoddam A., "Rapid high performance liquid chromatographic method for determination of adefovir in plasma using UV detection" *Arzneim. Forsch.* 61(8): 477(2011)
 - 43) Zandkarimi M., **Shafaati A.**, Foroutan S.M. and C.A. Lucy "Improvement of Electrophoretic Enantioseparation of Amlodipine by Polybrene" (submitted for publication)(2011)
 - 44) Sattary Javid F., **Shafaati A.** Zarghi A." Determination of cetirizine and its impurities in bulk and tablet formulation using a validated capillary zone electrophoretic method" (submitted for publication)(2011)
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Presentations

- 1) **A. Shafaati** and B.J. Clark "Development of a capillary electrophoresis method for atenolol and its related impurities in a tablet preparation" Research and Development Topics in analytical Chemistry, Royal Society of Chemistry, Bradford, UK, July 1993.
- 2) **A. Shafaati** and B.J. Clark "Quantitation of pharmaceutical by Capillary electrophoresis" (Oral), Research Topics in Chromatography, , Royal Society of Chemistry, Hull, UK, March 1994.
- 3) **A. Shafaati** and B.J. Clark "Application of capillary electrophoresis in stability studies of drugs" 3rd International Symposium on Capillary Electrophoresis, York, UK, August 1994.
- 4) **A. Shafaati**, F. Mafakheri and B.J. Clark "Determination of carbimazole and its metabolite methimazole in human serum by micellar electrokinetic chromatography with direct injection" 17th Asian Congress of Pharmaceutical Sciences and 50th Indian Pharmaceutical Congress, Mumbai, India, December 10-13, 1998
- 5) **A. Shafaati** and B.J. Clark "Determination of azathioprine and its related substances by capillary zone electrophoresis and application to bulk and pharmaceutical dosage forms assay, 17th Asian Congress of Pharmaceutical Sciences and 50th Indian Pharmaceutical Congress, Mumbai, India, December 10-13, 1998
- 6) S. Dadashzadeh, **A. Shafaati** and A. Khoddam "In vitro dissolution and comparative bioavailability of two atenolol tablets" The 2nd International Clinical Pharmacy Conference, Aman, Jordan, April 21-22, 1999
- 7) S.A. Tabatabai, **A. Shafaati** and A. Asgari "A novel method for the determination of water in pharmaceutical substances using high performance liquid chromatography" 136th British Pharmaceutical Conference, Cardiff, UK, September 13-16, 1999
- 8) M.R. Oveisi, B. Jannat, M. Hamedi and **A. Shafaati** "Simultaneous determination of lead, cadmium, copper and zinc in infant formula by anodic stripping voltametry" 60th International Congress of FIP (FIP 2000), Vienna, Austria, August 26-31, 2000
- 9) **A. Shafaati**, R. Aboofazeli and S.M. Mosavi "In vitro dissolution and comparative bioavailability of two metronidazole tablets" 137th British Pharmaceutical Conference, Birmingham, UK, September 10-13, 2000
- 10) **A. Shafaati** and B.J. Clark. "Development and validation of a capillary zone electrophoretic method for the determination of acyclovir and its related substance, guanine, in bulk and tablet dosage form" 25th International Symposium on HPLC (HPLC 2001), Maastricht, The Netherlands, June 17-22, 2001

- 11) **A. Shafaati** , A. Zarghi , S.M. Foroutan “Bioequivalence study of two tablet formulations of nalidixic acid” World Congress of Pharmacy and Pharmaceutical Sciences (FIP), Singapore, 1-6 September 2001 (**and two other joint papers**)
- 12) **A. Shafaati**, A. Zarghi , S.M. Foroutan “Invitro characterisation and comparative bioavailability of two chlordiazepoxide tablets” 138th British Pharmaceutical Conference (BPC 2001), Glasgow, UK, September 2001 (**and two other joint papers**)
- 13) **A. Shafaati** , B.J. Clark “Therapeutic drug monitoring of carbimazole and methimazole in serum using micellar electrokinetic chromatography with direct injection” Eurotox 2001, Istanbul, Turkey, 13-16 september, 2001
- 14) **A. Shafaati**, A. Zarghi, S.M. Foroutan and A. Khoddam “Selective high performance liquid chromatographic method for determination of clobazam in plasma” Drug Analysis 2002 Symposium, Bruges, Belgium, 21-25 April 2002. (**and two other joint papers**)
- 15) **A. Shafaati** and B.J. Clark “Evaluation of acetonitrile deproteinisation of the serum samples for the analysis of drugs in serum using capillary electrophoresis” Asian Congress of Pharmaceutical Sciences and Practice (FAPA 2002), Seoul, South Korea, 5-8 October 2002.
- 16) **A. Shafaati** , A. Zarghi, S.M. Foroutan and A. Khoddam “Selective high performance liquid chromatographic method for determination of hydralazine in plasma” Analytika 2002, Stellenbosch, South Africa, (2002) (**and two other joint papers**)
- 17) **A. Shafaati** “Sample Preparation In Analysis Of Drugs In Human Serum Using Capillary Electrophoresis With Laser-Induced Fluorescence Detection” Colloquium Spectroscopicum Internationale (CSI) XXXIII, Granada, Spain (2003)
- 18) S.M. Foroutan, A. Zarghi, **A. Shafaati** and A. Khoddam “Simple high performance liquid chromatographic method for determination of fluoxetine” Analytical Forum, Warsaw, Poland (2004)
- 19) **A. Shafaati**, M. Zand Karimi, S.M Foroutan and N. Hassani Oliaee “Effect Of Capillary Rinsing Protocol On The Reproducibility Of Separation In Capillary Electrophoresis With Indirect UV Detection, HPLC 2005, Stockholm, Sweden (2005)
- 20) **A. Shafaati**, A. Zarghi, S.M. Foroutan and A. Khoddam “Validated high performance liquid chromatographic method for determination of risperidone and its major metabolite in human plasma” ICAS -2006, Moscow, Russia (2006)
- 21) **A. Shafaati**, S.M Foroutan and M. Zand Karimi “Separation of amlodipine enantiomers by capillary electrophoresis using highly sulfated cyclodextrins” 10th annual meeting of CSPS, Montreal, Canada (2007)
- 22) **A. Shafaati**, A. Zarghi, S.M Foroutan and A. Khoddam “Validated HPLC method for determination of omeprazole in human plasma” Euroanalysis 2007, Antwerp, Belgium (2007).
- 23) **A. Shafaati**, A. Zarghi, Sattari Javid F. "Application of capillary zone electrophoresis to determination of cetirizine" CSC 2010, Toronto, Canada (2010)

RESUME TIPS

My special interest in research is application of instrumental methods of analysis such as **CE**, **HPLC** and **GC** to the drug, metabolites and toxins analysis in different matrices. I am also very interested in chiral CE and HPLC.