

Prof. Afshin Zarghi

Name: Afshin Zarghi

Qualification: Pharm.D., Ph. D

Marital status: Married

Title: Professor

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Date of birth: June 30, 1967

Address:

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Education:

- 1) Pharm. D (Tehran University, Tehran, Iran, 1985-1991)
- 2) Ph. D in Medicinal Chemistry (Tehran University, Tehran, Iran, 1991-1996)
- 3) Europa Sertificat (Post doctoral Fellow) (Justus Liebig Universitat, Giessen, Germany, 1996-1997)
- 4) Visiting professorship (Alberta University, Edmonton, Canada, 2002-2003)

Work Experience:

1. Assistant Professor of Medicinal and Pharmaceutical Chemistry, Shahid Beheshti University of Medical Sciences, Tehran/Iran (1997-2001)
2. Associate Professor of Medicinal and Pharmaceutical Chemistry, Shahid Beheshti University of Medical Sciences, Tehran/Iran (2001-2005)
3. Professor of Medicinal and Pharmaceutical Chemistry, Shahid Beheshti University of Medical Sciences, Tehran/Iran (2006 to date)

4. Head of Department of Medicinal and Pharmaceutical Chemistry, Shahid Beheshti University of Medical Sciences (1999-2003)
5. Scientific consultee of Tolidaru Pharmaceutical Company (1992-1993)
6. Scientific consultee of Irandaru Pharmaceutical Company (1993-2001)
7. Scientific consultee of Aboureyhan Pharmaceutical Company (1998-1999)
8. Scientific consultee of Tolidaru Pharmaceutical Company (1992-1993)
9. Scientific consultee of Atra Chemical & Pharmaceutical Company (2003 to 2006)
10. Head of QC Department of TAVAN Research Institute (1998 to now)
11. Managing board member of Dorsa Pharmaceutical Company (2005 to now)
12. Managing board member of Razak Pharmaceutical Company (2007 to now)
13. Managing board member of Alborzbulk Pharmaceutical Company (2007 to now)
14. Vice-Dean of Research, School of Pharmacy, Shahid Beheshti University of Medical Sciences (2009 to now)

Awards:

1. 1st Research Festival Award of Shahid Beheshti University of Medical Sciences (2000).
2. 2nd Research Festival Award of Shahid Beheshti University of Medical Sciences (2001).
3. 7th Razi Festival Award (2001).
4. 3rd Research Festival Award of Shahid Beheshti University of Medical sciences (2002).
5. 4th Research Festival Award of Shahid Beheshti University of Medical sciences (2003).
6. Selected lecturer Award of Shahid Beheshti University of Medical sciences (2003).
7. Award of Shahid Beheshti University of Medical sciences (2005).
8. Award of Shahid Beheshti University of Medical sciences (2007).
9. 13th Razi Festival Award (2007).

Research Interests:

Drug synthesis (Design, Synthesis and structure activity relationship studies of new ligands especially: COX-2 selective inhibitors, Aromatase inhibitors, Anticancer agents, BZD & AMPA ligands.

Drug analysis (Development of gas and liquid chromatographic methods for quantification of drugs, metabolites and chemical substances in biological fluids using LC, LC/MS, GC, GC/MS.

Publications:

Full Papers

- 1) Shafiee, A., **Zarghi, A.**, Dehpour, A.R. Synthesis and anti inflammatory activity of 1-methyl-2-(4-x-benzoyl) pyrrolo [2,3- d] imidazole-5carboxylates Pharmaceutical Sciences.(UK) 1997, 3: 461- 463.
- 2) Shafiee,A., Ebrahimzadeh, M.A., **Zarghi, A.**, Dehpour, A.R Synthesis and antiinflammatory activity of 1-benzyl-2-(x-thio) pyrrolo[2,3-d] imidazole-5-carboxylates, Pharm. Pharmacol. Commun.(UK)1998, 4: 99-101.
- 3) **Zarghi, A.**, Naimi-Jamal, M.R.,Webb, S.A., Balalaie, S., Saidi, M.R., Ipaktschi, J. LiClO₄-induced mannich reaction diastereo and enantioselective synthesis of β -amino ketones by addition of enamines, imines or silylenolethers to aldehydes and dialkyltrimethylsilylamines, Eur. J. Org. chem. (Germany)1998,1:197-200.
- 4) **Zarghi, A.**, Komeilizadeh, H., Amini, M., Kimiagar, L. Determination of famotidine in plasma and urine by high-performance liquid chromatography, Pharm. Pharmacol. Commun.(UK) 1998, 4:77-80.
- 5) Gholami, K., Farahani, F., **Zarghi, A.** Simultaneous determination of carbamazepine and its major metabolite in serum, Pharm. Pharmacol. Commun.(UK) 1998, 4:197-199.
- 6) **Zarghi, A.**, Jenabi, M., Ebrahimian, A.J. HPLC determination of the stability of tretinoin in tretinoin-minoxidil solution, Pharmaceutica Acta Helvetiae. 1998, 73:163-165.

- 7) Kebriaeizadeh, A., Valaie, M., **Zarghi, A.** Determination of valproic acid in human plasma by gas chromatography, *Pharm. Pharmacol, Commun.* (UK)1998, 4: 525- 527.
- 8) Amini, M., **Zarghi, A.**, Vatanpour, H. Sensitive high- performance liquid chromatographic method for determination of captopril in plasma, *Pharmaceutica Acta Helvetiae.* (Swiss).1999, 73: 303- 306.
- 9) **Zarghi, A.**, Gholami, K., Hessami, M. Determination of phenytoin in human plasma by gas chromatography, *Boll. Chim. Farmaceutico.* (Italy).1999,138: 508-511.
- 10) Zarrindast, M. R., Haerizadeh, F., **Zarghi, A.**, Lahigi, P. Nicotine potentiates sulpiride-induced catalepsy in mice . *J. Psychopharmacology.* (UK). 1998, 12: 204-207.
- 11) Zarrindast, M. R., **Zarghi, A.**, Amiri, A. Nicotine-induced hypothermia through an indirect dopaminergic mechanism. *J. Psychopharmacology.* (UK). 1995, 9: 20-24.
- 12) Zarrindast, M. R., **Zarghi, A.** Morphine stimulates locomotor activity by an indirect dopaminergic mechanism: Possible D1 and D2 receptor involvement. *Gen. Pharmac.* (UK) 1992, 23: 1221-1225.
- 13) Kebriaeezadeh, A., **Zarghi, A.** Ahmadkhaniha, A., Khoddam, A., Ebrahimian, A.J. Simultaneous high- performance liquid chromatographic determination of sulfamethoxazole and timethoprim in the plasma of man. *Pharm. Pharmacol. Commun.* (UK) 2000,. 6:113-115.
- 14) **Zarghi, A.**, Dadashzadeh, S., Ebrahimian, A. J. HPLC Quantification of diltiazem in plasma from man . *Pharm. Pharmacol. Commun.* (UK) 2000. 6:1-3.
- 15) Allameh, A., Farahani, M., **Zarghi, A.** Kinetic studies of aflatoxin B1- glutathione conjugate formation in liver and kidneys of adult and weaning rats. *Mechanisms of Ageing and Development.*(USA).2000: 1-11.
- 16) Allameh, A., Vansoun,E., **Zarghi, A.** Role of glutathione conjugation in protection of weanling rat liver against acetaminophen-induced hepato toxicity, *Mechanisms of Ageing and Development.* (USA).1997: 71-79

- 17) Shephard, G. S., Marasas, W. F. O., Yazdanpanah, H., Rahimian, H., Safavi, N., **Zarghi, A.**, Shafaati, A., Rasekh, H.R. Fumonisin B1 in maize harvested in Iran during 1999. Food Additives and Contaminants. (UK) 2002, 19: 676-679.
- 18) **Zarghi, A.**, Amini, M., Alsahebfosul, S. An Ion- pair high- performance liquid chromatography method for stability studies of epinephrine acid tartrate in injectable solution. Boll Chim. Farmaceutico.(Italy) 2001, 2: 115-118
- 19) **Zarghi, A.**, Kebriaeezadeh, A.,Ahmadkhaniha, R. Rapid high-performance liquid chromatography method for determination of doxycycline in human plasma. Boll Chim. Farmaceutico.(Italy) 2001, 2: 112-114
- 20) **Zarghi, A.**, Kebriaeezadeh, A.,Ahmadkhaniha, R.Rastkari, N. Selective liquid chromatographic method for determination of fluoxetine in plasma. J. AOAC. (USA).2001, 6: 1-4
- 21) **Zarghi, A.**, Shafaati, A R. Rapid Determination of acetazolamide in human plasma. J. Pharm. Biomed. Analysis. (UK).2002, 28:169-172
- 22) **Zarghi, A.**, Derakhshandeh, K., Roshanzamir, F., Jorjani, M., Rastegar, H., Varmazyari, M., Shafiee, A. Synthesis and calcium- channel blocker activity of new 1,4- dihydropyridines containing nitrobenzylimidazolyl Substituent in Ginea- pig Ileal Smooth Muscle. Boll Chim. Farmaceutico. (Italy) 2002, 141:15-20
- 23) Foroutan, S.M., **Zarghi, A.**, Shafaati, A., Khoddam, A. Bioequivalence Studies of Two Iranian Formulations of Captopril in Healthy Volunteers. Arch. Med, 2003, 6: 44-48.
- 24) Dadashzadeh, S., **Zarghi, A.**, Ebrahimian, A. J. Pharmacokinetic and comparative bioavailability of two diltiazem tablet formulations in healthy volunteers. Darou. (Iran). 2003, 11:14-18.
- 25) Jorjani, M., Rastegar, H., Roshanzamir, F., Varmazyari, M., Abdollahi, M., **Zarghi, A.** Synthesis and biological evaluation of new 1,4- dihydropyridine as antihypertensives agents in rats. IJPR. (Iran). 2003,2:43-47
- 26) Hoshdar Tehrani, M. H., **Zarghi, A.**, Fathali, S. A modified method for the synthesis of nitrofurazone. IJPR.(Iran).2003,2: 67-69

- 27) Moghimi, H., **Zarghi, A.** Noorani, N. Stereoselective permeation of tretinoin and isotretinoin through enhancer-treated rat skin.I. Effect of ethanol and sodium dodecyl sulphate. *IJPR.(Iran).*2003,2:127-133
- 28) **Zarghi, A.**, Abdollahnejad, R., Faizi,M. Synthesis and Calcium-channel Blocker Activity of Alkyl 1,4 dihydro-2,6-dimethyl-4-nitrobenzyl thio imidazole-3,5 pyridinedicarboxylates. *Boll Chim. Farmaceutico. (Italy)* 2003, 142:1-5
- 29) **Zarghi, A.**,Haghir Ebrahimabadi, A., Hassanzadeh, F., Heydari, M.R., Shafiee, A. Synthesis and antiinflammatory activity of 1-methyl-4-(4-x-benzen sulfonyl) pyrrolo [2,3- d] midazole-5- carboxylates. *Boll Chim. Farmaceutico. (Italy)* 2003, 141:251-254
- 30) **Zarghi, A.**, Foroutan, S.M., Shafaati, A., Khoddam, A. Rapid determination of metformin in human plasma using ion-pair HPLC.*J. Pharm. Biomed. Analysis. (UK).* 2003, 31, 197-201
- 31) **Zarghi, A.**, Sadeghi, H., Fassihi, A., Faizi, M. Shafiee. A. Synthesis and calcium antagonist activity of 1,4-dihydropyridines containing phenylimidazolyl substituents. *Farmaco.(Italy).* 2003, 58, 1077-1081
- 32) **Zarghi, A.**, Dadashzadeh, S., Asgari.A. Determination of cyproterone in plasma samples by high performance liquid chromatography, *Boll. Chim. Farmaceutico. (Italy).*2003,142: 220-222.
- 33) **Zarghi, A.**, Rao, P., Knaus, E.E. Design and synthesis of methanesulfonamido analogues of rofecoxib as selective cyclooxygenase-2 inhibitors. *Bioorganic.Med. Chem . (USA).* (Manuscript preparation).
- 34) **Zarghi, A.**, Rao, P., Knaus, E.E. Design and synthesis of new rofecoxib analogues as selective cyclooxygenase-2 inhibitors: Replacement of methylsulfonyl pharmacophore by a N-acetylsulfonamide bioisostere. *Bioorganic.Med. Chem. (USA).* (Manuscript preparation).
- 35) Nafissi, N., Shafaati, A., **Zarghi, A.**, Aboofazeli, R. Separation of somatropine and its degradation products by HPLC using a reversed-phase polymeric column. *IJPR.(Iran).* 2004,4:209-213
- 36) Moghimi, H., Noorani, N., **Zarghi, A.** Stereoselective permeation of tretinoin and isotretinoin through enhancer-treated rat skin.II. Effects of lipophilic penetration enhancers. *IJPR.(Iran).* 2004,3:17-22

37) Yazdanpanah, H., Gheidari, P. E., Homami, S.N.S., Mirkarimi, S. K., **Zarghi, A.**, Shephard, G. S., Marasas, W.O., Shafaati, A., Rasekh. H. Natural occurrence of fumonisin B1 in Maize and its risk in Iran. Jap. Assoc. of Mycotoxicology. (Japan). 2004, 159-165

38) Foroutan, S.M., **Zarghi, A.**, Shafaati, A., Khoddam, A. Simple high performance liquid chromatographic determination of buspirone in human plasma. J. Pharm. Biomed. Analysis. (UK). 2004, 59: 739-742

39) **Zarghi, A.**, Foroutan, S.M., Shafaati, A., Khoddam, A. Rapid determination of minoxidil in human plasma using ion-pair HPLC. J. Pharm. Biomed. Analysis. (UK). 2004,36: 377-379

40) **Zarghi, A.**, Rao, P., Knaus, E.E. Sulfonamido, Azidosulfonyl and N-acetylsulfonamido analogues of rofecoxib: 4-[4- (N-acetyl sulfonamido) phenyl] -3-(4-methanesulfonylphenyl)- 2(5H)furanone is a potent and selective cyclooxygenase-2 inhibitor. Bioorganic. Med. Chem .Lett. (USA). 2004. 14: 1957-1960

41) Foroutan, S.M., **Zarghi, A.**, Shafaati, A., Khoddam, A. Sensitive high performance liquid chromatographic determination of Resperidone in human plasma. IJPR (Iran).2006, 1: 37-40

42) Sadeghi-Aliabadi, H., Tabarzadi, M., **Zarghi, A.** Synthesis and cytotoxic evaluation of two novel anthraquinone derivatives. Farmaco.(Italy).2004,59:645-9

43) **Zarghi, A.**, Tabatabaie, S.A., Faizi, M., Ahadian, A., Navabi, P., Zanganeh, V., Shafiee. A. Synthesis and anticonvulsant activity of new 2-substituted-5-(2-benzylox phenyl)-1,3,4 oxadiazoles. Bioorganic. Med. Chem .Lett. (USA). 2005, 15/7: 1863-1865

44) **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. Arzneimittel. Forsch./Drug Research (Germany). 2005,55/8:451-454

45) **Zarghi, A.**, Faizi, M., Shafaghi, B., Ahadian, A., Zanganeh, V., Tabatabaie, S.A., Shafiee. A. Design and synthesis of new 2-substituted -5-(2-benzylthio phenyl)-1,3,4-oxadiazoles as benzodiazepine receptor agonists. Bioorganic. Med. Chem .Lett. (USA). 2005, 15:3126-3129

- 46) Zarghi, A.**, Foroutan, S.M., Shafaati, A., Khoddam, Rapid HPLC method for determination of losartan in human plasma using a monolithic column. *Arzneim. Forsch./Drug Research (Germany)*. 2005. 55: 569-572
- 47) Zarghi, A.**, Shafaati, A., Foroutan, S.M., Khoddam, A. Development a rapid HPLC method for determination of famotidine in human plasma using a monolithic column. *J. Pharm. Biomed. Analysis. (UK)*. 2005,39:677-680
- 48) Zarghi, A.**, Foroutan, S.M., Shafaati, A., Khoddam, A. Validated HPLC method for determination of amlodipine in human plasma and its application to pharmacokinetic studies. *Farmaco.(Italy)*.2005, 60:789-792
- 49) Tehrani, M.H., Zarghi, A.**, Erfanian Jabbari, L. A. Design and synthesis of new imidazole derivatives of captopril. *IJPR (Iran)*. 2005, 1: 37-41.
- 50) Yazdanpanah, H., Eskandari, P., Zarghi, A.**, Mirkarimi, K. Survey of Fumonisin B1 contamination in Northern Iran during 2000. *IJPR (Iran)*. 2005, 4: 221-225.
- 51) Jalali, A., Hossinninasab, Z., Ehsani, Z., Zare, A., Zarghi, A.**, Vatanpour, H. The pharmacological effects of *Odontobuthus doraie* scorpion venom and its extractions on neuro-muscular transmission. *IJPR (Iran)*. 2006, 2: 101-105.
- 52) Foroutan, S.M., Zarghi, A.**, Shafaati, A., Khoddam, A. Application of monolithic column in quantification of gliclazide in human plasma. *J. Pharm. Biomed. Analysis. (UK)*. 2006. 42:513-6.
- 53) Zarghi, A.**, Foroutan, S.M., Shafaati, A., Khoddam, HPLC determination of omeprazole in human plasma Using a monolithic column . *Arzneim. Forsch./Drug Research (Germany)*. 2006.56:382-386.
- 54) Zarghi, A.**, Arfaee, S., Rao, P., Knaus, E.E. Design, Synthesis and biological evaluation of 1,3-diarylprop-2-en-1-ones : A novel class of cyclooxygenase-2 Inhibitors . *Bioorganic. Med. Chem. (USA)*. 2006. 4: 2600-2605.
- 55) Zarghi, A.**, Foroutan, S.M., Shafaati, A., Khoddam, Development an ion-pair liquid chromatographic method for determination of sotalol in plasma using a monolithic column. *J. Pharm. Biomed. Analysis. (UK)*. 2006. 41: 1433-1437.
- 56) Zarghi, A.**, Foroutan, S.M., Shafaati, A., Khoddam, Simple and rapid high-performance liquid chromatographic method for determination of

celecoxib in plasma using UV detection: Application in pharmacokinetic studies. . J. Chromatogr. B (UK). 2006.835:100-4.

57) Zarghi, A., Zebardast, T., Hakimion, F., Shirazi, F.H., Rao, P., Knaus, E.E. Synthesis and biological evaluation of 1,3-diarylprop-2-en-1-ones possessing a methansulfonamido or an azido pharmacophore as cyclooxygenase-1/-2 Inhibitors . Bioorganic. Med. Chem. (USA). 2006.14:7044-50.

58) Zarghi, A., Rao, P., Knaus, E.E. Synthesis and biological evaluation of methanesulfonamide analogues of rofecoxib: Replacement of methanesulfonyl by methanesulfonamido decreases cyclooxygenase-2 selectivity. Bioorg Med Chem. (USA). 2007.15:1056-61.

59) Zarghi, A., Rao, P., Knaus, E.E. Design and synthesis of new rofecoxib analogues as selective cyclooxygenase inhibitors: Replacement of methanesulfonyl pharmacophore by N-acetylsulfonamido bioisoester. J. Pharm. Pharm. Sci. (Canada). 2007.10:129-137.

60) Zarghi, A., Foroutan, S.M., Shafaati, A., Khoddam, A. Quantification of carvedilol in human plasma by liquid chromatography using fluorescence detection: Application in pharmacokinetic studies. J. Pharm. Biomed. Analysis. (UK). 2007. 44: 250-253.

61) Foroutan, S.M., Zarghi, A., Shafaati, A., Khoddam, A., Movahed, H. Simultaneous determination of amoxicillin and clavulanic acid in human plasma by isocratic reversed-phase HPLC using UV detection. J. Pharm. Biomed. Analysis. (UK). 2007. 45:531-534.

62) Zarghi, A., Najafnia, L., Daraee, B., Dadrass, O. G., Hedayati, M. Synthesis of 2,3-diaryl 1,3-thiazolidine-4-one derivatives as selective cyclooxygenase inhibitors. Bioorg. Med. Chem. Lett (USA). 2007. 17: 5634-5637.

63) Zarghi, A., Foroutan, S.M., Shafaati, A., Khoddam, A. Validated high-performance liquid chromatographic method for determination of letrozole in plasma using fluorescence detection: Application in pharmacokinetic studies. Chromatographia. (Germany). 2007. 63: 747-751.

64)) Zarghi, A., Foroutan, S.M., Shafaati, A., Movahed, H., Khoddam, A. Rapid High-Performance Liquid Chromatographic Method for Determination of Pantoprazole in Plasma using UV Detection/Application in Pharmacokinetic Studies. Arzneimittel-Forsch./Drug Research (Germany). 2008 58: 441-444.

65) Zarghi, A., Kakhgi, S., Hadipoor, A., Daraee, B., Dadrass, O. G., Hedayati, M. Design and synthesis of 1,3-diaryl urea derivatives as selective cyclooxygenase inhibitors. *Bioorg. Med. Chem. Lett (USA)*. 2008. 15:1336-1339.

66) Zarghi, A., Hajmehdi, z., Mohebbi, Rashidi, H., Mozaffari, S., Sarraf, S., Faizi, M., Tabatabaie, S.A., Shafiee. A. Design and Synthesis of New 2-Substituted-5-[2-(2-halobenzyloxy) phenyl]-1,3,4-oxadiazoles as Anticonvulsant Agents. *Chem. Pharm. Bull (Japan)*. 2008. 56:509-512.

67) Zarghi, A., Tahghighi, A., Soleiman, Z., Daraee, B., Dadrass, O. G., Hedayati, M. Design and Synthesis of Some 5-Substituted-2-(4-(azido or methylsulfonyl) phenyl)-1H-indole Derivatives as Selective Cyclooxygenase (COX-2) Inhibitors. *Sci Pharm./J Austrian Pharmaceutical Sciences (Austria)*. 2008. 76: 361-376.

68) Zarghi, A., Hamed, S., Tootooni, F., Amini, B., Sharifi, B., Faizi, M., Tabatabaie, S.A., Shafiee. A. Synthesis and Pharmacological Evaluation of New 2-Substituted-5-[2-(2-halobenzyl)thio) phenyl]-1,3,4-oxadiazoles as Anticonvulsant Agents. *Sci Pharm./J Austrian Pharmaceutical Sciences (Austria)*. 2008. 76:185-201.

69) Zebardast, T., Zarghi, A., Daraee, B., Dadrass, O. G., Hedayati, M. Design and synthesis of 3-alkyl-2-aryl-1,3-thiazinan-4-one derivatives as selective cyclooxygenase (COX-2) inhibitors. *Bioorg. Med. Chem. Lett (USA)*. 2009. 19:3162-3165.

70) Zarghi, A., Zebardast, T., Daraee, B., Hedayati, M. Design and synthesis of new 1,3-benzthiazinan-4-one derivatives as selective cyclooxygenase (COX-2) inhibitors. *Bioorg. Med. Chem. (USA)*. 2009. 17: 5369-5373.

71) Yousefi, Gh., Foroutan, S.M., **Zarghi, A.,** Shafaati, A. Quantification of polyethylene glycol esters of methotrexate and determination of their partition coefficients by validated HPLC methods. *IJPR*. 2009. 8: 27-31.

72) Zarghi, A., Ghodsi, R., Azizi, E., Daraee, B., Hedayati, M., Dadrass, O. G. Synthesis and biological evaluation of new 4-carboxyl quinoline derivatives as cyclooxygenase-2 inhibitors. *Bioorg. Med. Chem. (USA)*. 2009. 17: 5312-5317.

73) Zarghi, A., Arefi, H., Dadrass, O. G., Torabi, S. Design and synthesis of new 2-aryl, 3-benzyl-(1,3-oxazolidine or 1,3-thiazolidine)-4-ones as selective cyclooxygenase (COX-2) inhibitors. *Med. Chem. Res (USA)*. 2009. 1-12.

74) Yousefi, Gh., Foroutan, S.M., **Zarghi, A.,** Shafaati, A. Synthesis and characterization of methotrexate polyethylene glycol esters as a drug delivery system. *Chem. Pharm. Bull (Japan)*. 2010. 58: 148-153.

75) Ghodsi, R., Zarghi, A., Daraee, B., Hedayati, M. Design, synthesis and biological evaluation of new 2,3-diarylquinoline derivatives as selective cyclooxygenase-2 inhibitors. *Bioorg. Med. Chem. (USA)*. 2010. 18: 5312-5317.

76) Arfaie, S., Zarghi, A. Design, synthesis and biological evaluation of new (E)- and (Z)-1,2,3-triaryl-2-propen-1-ones as selective COX-2 inhibitors. *Eur. J. Med. Chem.(UK)* 2010. 1-8

77) Soltani, S., Abolhassani, H., **Zarghi, A. ,** Jouyban, A. QSAR analysis of diaryl COX-2 inhibitors: Comparison of feature selection and train-test data selection methods. *Eur. J. Med. Chem.(UK)* 2010. 1-8

78) Ghodsi, R., Zarghi, A. Design, synthesis and biological evaluation of new ketoprofen derivatives as selective cyclooxygenase-2 inhibitors. *Bioorg. Med. Chem. (USA)*. 2010. 18: 1-6.

Presentation (In International Congress)

- 1) A. Shafiee, F. Hadizadeh, A. Zarghi.** Synthesis of fused imidazoles. In ACC. 1997. **Japan.**
- 2) A. Zarghi.** Sensitive HPLC method for determination of captopril in plasma. In BPC. 1999. **UK.**
- 3) M. Faizi, A. Zarghi.** Determination of famotidine in plasma and urine by HPLC. In BPC. 1999. **UK.**
- 4) A. Zarghi, A. Kebriaeezadeh, R. Ahmadkhaniha.** Sensitive and selective LC assay of fluoxetine in plasma with UV detection. In BPC. 2000. **UK.**
- 5) M. Faizi, A. Zarghi,** Quantification of carbamazepine and carbamazepine epoxide in serum by HPLC. In BPC. 2000. **UK.**
- 6) A. Zarghi, S.M. Foroutan, and A. Shafaati.** Bioequivalency study of two tablet formulations of acetazolamide. in FIP. 2001. **Singapore.**
- 7) A. Zarghi, S.M. Foroutan, and A. Shafaati.** In vitro characterisation and bioequivalency study of two lorazepam tablets. in BPC. 2001. **UK.**
- 8) A. Shafaati, A. Zarghi, and S.M. Foroutan.** Bioequivalency study of two tablet formulations of nalidixic acid. in FIP. 2001. **Singapore.**
- 9) A. Shafaati, A. Zarghi, and S.M. Foroutan.** In vitro characterisation and bioequivalency study of two chlordiazepoxide tablets. In BPC. 2001. **UK.**
- 10) S.M. Foroutan, A. Zarghi, and A. Shafaati.** Bioequivalency study of two tablet formulations of cimetidine. In FIP. 2001. **Singapore.**
- 11) S.M. Foroutan, A. Shafaati, and A. Zarghi.** In vitro characterisation and bioequivalency study of two captopril tablets. In BPC. 2001. **UK.**
- 12) A. Zarghi, S.M. Foroutan, A. Shafaati, and A. Khoddam.** An ion pair high performance liquid chromatographic method for determination of metformin in human plasma. In Drug Analysis. 2002. **Beljum.**
- 13) A. Zarghi, S.M. Foroutan, and A. Shafaati.** Determination of propranolol

in human plasma by liquid chromatography using fluorescence detection. In ANALITIKA2002. 2002. **South Africa**.

14) **A. Zarghi** and S.M. Foroutan. Sensitive High-Performance liquid chromatographic method for determination of amiodarone in plasma. In FAPA 2002. 2002. **South Korea**.

15) A. Shafaati, **A. Zarghi**, S.M. Foroutan, and A. Khoddam. Selective high performance liquid chromatographic method for determination of clobazam in plasma. In Drug Analysis. 2002. **Beljum**.

16) A. Shafaati, **A. Zarghi**, and S.M. Foroutan. Selective HPLC method for determination of hydralazin in plasma. In ANALYTIKA2002. 2002. **South Africa**.

17) S.M. Foroutan, A. Shafaati, **A. Zarghi**, and A. Khoddam. Sensitive high performance liquid chromatographic method for determination of clonazepam in human plasma. In Drug Analysis. 2002. **Beljum**.

18) S.M. Foroutan, A. Shafaati, and **A. Zarghi**. Rapid high performance liquid chromatographic determination of diltiazem in human plasma. In ANALYTIKA2002. 2002. **South Africa**.

19) A. Khoddam, S.M. Foroutan, A. Shafaati, and **A. Zarghi**. Simple and rapid high performance liquid chromatographic determination of atorvastatine in human plasma. In HPLC 2003. 2003. **France**.

20) **A. Zarghi**, S.M. Foroutan, A. Shafaati, A. Khoddam. Rapid determination of minoxidil in human plasma using ion-pair HPLC. In PBA 2004, **Italy**

21) **A. Zarghi**, S.M. Foroutan, A. Shafaati, A. Khoddam. Rapid LC method for determination of citalopram in human plasma. In Analytical Forum 2004, **Poland**

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Supervisor:

1-Pharm D thesis (75 items)

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