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Pharmaceutics

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EDUCATION

11/1361

10/1366

Tehran University of Medical Sciences, School of Pharmacy,
Pharm.D

POST GRADUATE TRAINING

4/1368

10/1375

Tehran University of Medical Sciences, School of Pharmacy,
PhD, Pharmaceutics

POST DOCTORAL WORK

10/1376-10/1377

Uppsala University, Faculty of Pharmacy, Uppsala, Sweden
Pharmacometrics

PROFESSIONAL APPOINTMENTS

PRIVATE PRACTICE

MEDICAL AND SCIENTIFIC SOCIETIES

2008 Iran Association Pharmaceutical Society
2012 Iranian Association of Biopharmacy and Pharmacokinetics
2005 Iranian Physiology and Pharmacology Association
2015 Member of Bioequivalence Committee of Iran FDA
2000 Iranian Homeopathy Society

COMMITTEE APPOINTMENTS

POST DOCTORIAL CONFERENCES

- 1) Synthesis, antibacterial and antifungal activity of 1-methylsulfonyl-5-(1-methyl-5-nitro-2-imidazolyl)1,3,4-thiadiazole, S.Sadray First Seminar on Iranian Self-Sufficiency of Pharmaceutical Industries, 1-3 Nov. 1988, Tehran-Iran
- 2) Synthesis, antibacterial and antifungal activity of (1-methyl-5-nitro-2-imidazolyl)1,3,4-thiadiazole derivatives, S.Sadray IVth Iranian Chemical & Engineering Congress, 4-7 Sep. 1989, Gilan-Iran
- 3) Determination of Carbamazepine blood level in epileptic patients H. Tajerzadeh & S. Sadray, First Seminar of Industrial Pharmacy, 5-7 Dec. 1989, Tehran-Iran
- 4) Determination of Valproic acid blood level in epileptic patients. Tajerzadeh & S. Sadray, 3th Iranian Pharmaceutical Congress, 20-22 Oct. 1991, Ahwaz-Iran
- 5) Determination of tricyclic antidepressant with HPLC H. Tajerzadeh, S. Sadray & M. Forutan, 1th International Congress of TDM, 1-3 March 1992, Tehran-Iran
- 6) UV Derivative Spectrophotometry & Two Simultaneous Equation in Determination of Trimethoprim & Sulphamethoxazole Concentration in Cotrimoxazole. H. Tajerzadeh, M. R. Rouini, H. Rafati & S. Sadray, 4th Iranian Pharmaceutical Congress, 20-22 Oct. 1992, Tabriz-Iran
- 7) Concurrent Determination of Antiepileptic drugs by HPLC S. Sadray, Vth World Conference on Clinical Pharmacology and Therapeutics, 26-31 July 1992, Yokohama-Japan
- 8) Determination of Trimetoprim and Sulfamethoxazole (Cotrimaxazole) in biological fluids by HPLC, H. Tajerzadeh, S. Sadray, M. R. Rouini & H. Rafati, 4th Iranian Pharmaceutical Congress, 20-22 Oct. 1992, Tabriz-Iran
- 9) Synthesis, antibacterial and antifungal activity of new Nitroimidazoles Shafiee, F. Kamal, S. Sadray & A. Foroumadi, 4th Iranian Pharmaceutical Congress, 20-22 Oct. 1992, Tabriz-Iran
- 10) Arthritis treatment in traditional medicine M.R. Rouini & S. Sadray, The International Congress of History of Medicine in Islam & Iran, Oct. 1992, Tehran-Iran
- 11) Comparative Bioavailability: In-vitro & in-vivo correlation using six commercial Cotrimaxazole tablets S. Sadray, H. Tajerzadeh, Fifth European Congress of Biopharmaceutics & Pharmacokinetics, 20-22 April 1993, Brussels-Belgium
- 12) Introduction to Population Pharmacokinetic Analysis using the Computer Program NONMEM, S. Sadray & H. Tajerzadeh, 12th Iranian Congress of Physiology & Pharmacology, 6-9 Nov. 1995, Tehran-Iran
- 13) Determination of Dextrometorphan and its major metabolite in urine Hosnieh Tajerzadeh, Sima Sadray & Maryam Salehpour, 5th Iranian Pharmaceutical Congress, 9-10 August 1997, Tehran-Iran
- 14) Population Pharmacokinetics of Theophylline, H. Tajerzadeh, N. Bashardust, S. Sadray, 5th Iranian Pharmaceutical Congress, 9-10 August 1997, Tehran-Iran
- 15) Determination of Ranitidine Pharmacokinetic Parameters in Healthy Volunteers Urine Samples, H. Tajerzadeh, S. Sadray and A. Mohajer, 6th Congress of Pharmaceutical Sciences of Iran, 26-27 August 1998, Isfahan, Iran
- 16) Modelling of Hair shining, flexure and dryness, S. Sadray, 5th International seminar on hygienic & Cosmetic Industries, Oct. 19-21 1999, Tehran, Iran
- 17) The Role of Pharmacokinetic- Dissolution Modelling and Computer Simulation in Drug Formulation Design, S. Sadray, 7th Iranian Seminar of Pharmaceutical Sciences, 26-28 August 2000, Mashhad, Iran

- 18) Evaluation Type of Methods Digoxin Assay and Interferences with Digoxin-like Immunoreactive factors, Sima Sadray and Soha Namazi, Iranian Seminar of Nuclear Medicine, 15-17 October 2000, Tabriz, Iran.
- 19) Different Therapeutic Methods in Homeopathy, Sima Sadray, 1th International Congress on Traditional Medicine & Materia Medica, 6-9 November 2000, Tehran- Iran
- 20) Preparation of 7-hydroxymethotrexate and simultaneous determination of the metabolite and parent drug in human plasma by HPLC, S. Sadray and S. Rezaee, 15th Iranian Congress of Physiology & Pharmacology, 5-8 November 2001, Shiraz-Iran
- 21) Assessment Of Digoxin-Like Immunoreactive Substance In The Healthy subjects, Renal Failure And Diabetes Melitus Patients, S. Sadray and S. Namazi and H. Fanni, 15th Iranian Congress of Physiology & Pharmacology, 5-8 November 2001, Shiraz-Iran
- 22) Digoxin Regimen Evaluation in Iranian Patients, Soha Namazi and Sima Sadray ASHP Midyear Clinical Meeting, 2-6 December 2001, New Orleans, Louisiana, USA
- 23) Study of Clinical Response of Digoxin Regimens in Continuous and Interrupted Administration and its Population Pharmacokinetics
Sima Sadray, Soha Namazi, Kheirollah Gholami, Masood Eslami, M. Lesanpezheshki, H. Fani, The third congress of Iranian society of cardiac surgeons, 23-26 October 2003
- 24) Efficacy of urine samples in bioavailability study of Ranitidine, Sima Sadray*, Hosnieh Tajerzede, Afshin Mohajer and Ahmad Mirfazaelian, Turkey 2003
- 25) Dissolution Profile comparison and in vitro- in vivo correlation, model dependent and model independent approaches, Sadray S., Ahmadi M., Rezaee S., International Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, Nuremberg, 15- 18 March 2004
- 26) Population pharmacokinetics of methotrexate in Iranian adult ALL patients, Sadray S., Rezaee S., Tajerzadeh H., Tougeh G.R., Rezakhah S., 8th World Conference on Clinical Pharmacology and Therapeutics, Brisbane CPT 2004, 1-6 August 2004
- 27) Treatment of Severe Pain in Cancer Patients by Carcinosinum 30C, A Homeopathic Approach, Seven Case Reports, Sima Sadray, Hedayatollah Fani, 2nd International Congress on Traditional Medicine and Materia Medica, 4-7 October 2004, Tehran, Iran
- 28) IVIVC of controlled release diclofenac capsules with Voltaren, considering multiple peak phenomena, Dr Sima Sadray, Leila Esmaili, 2nd EUFEPS Conference, Evaluation of Drug Delivery Systems France, 2-6 Dec 2005
- 29) Population Pharmacokinetics Comparison of Carbamazepine Clearance between Epileptic and Acutely Manic Patients, Sadrai S, Mohammadpoor AH, Ghaeli P, Forooghiipoor M, Noroozian M, 5th International Symposium on Measurement and Kinetics of *In Vivo* Drug Effects April 26-29, 2006, Noorwijkerhout, The Netherlands.
- 30) Determination and quantification of cetirizine in human plasma by high performance liquid chromatography, Sadray S, Lavasani H, Ariapoor M, 10th Iranian Pharmaceutical Sciences Conference (IPSC), 21-24 August 2006
- 31) Comparison of carbamazepine clearance between epileptic patients and patients with acute mania, Mohammadpoor AH, Ghaeli P, Sadray S, Forooghiipoor M, Noroozian M, Rezaee S, 10th Iranian Pharmaceutical Sciences Conference (IPSC), 21-24 August 2006
- 32) Evaluation and importance of double-peak phenomenon in the bioequivalency of gliclazide 80 mg tablets, Sadray S, Safari S, Farahani M, Rouini MR, 10th Iranian Pharmaceutical Sciences Conference (IPSC), 21-24 August 2006
- 33) Pharmacodynamic and electrolyte changes after administration of bolus versus continuous infusion of furosemide in critically ill patients, Tavakoli Ardakani M, Mojtahedzadeh M, Sadrai S, 10th Iranian Pharmaceutical Sciences Conference (IPSC), 21-24 August 2006
- 34) Efficacy of urine samples in bioavailability study of ceterizine, a drug with multiple peak phenomena in plasma and urine samples. Sadrai S, Fahimi S, Toliyat T, Hamidi P, Rezaee S 18th Iranian Congress of Physiology and Pharmacology, Mashhad- Iran August 26-30 2007
- 35) Assessment of Pharmacy Education, Sadrai Sima 4th International Conference of Higher Education & Development in Knowledge Based Society: Towards Enhancing Quality and Relevance in Medical & Professional Education, September 7-11 2007

- 36) Principles of Accreditation for Dental Education, Mahgoli HA, Sadrai S
4th International Conference of Higher Education & Development in Knowledge Based Society: Towards Enhancing Quality and Relevance in Medical & Professional Education, September 7-11 2007
- 37) Pharmacokinetic and pharmacogenetic analysis of warfarin in Iranian patients sensitive to warfarin
Sima Sadrai, Parinaz Ghadam, Ramezani Sharifian
The 9th Iranian Congress of Biochemistry & the 2nd International congress of biochemistry and Molecular biology, Shiraz-Iran, Oct 29-Nov 1, 2007.
- 38) The impact of *VKORC1* genetic polymorphisms in Iranian warfarin sensitive patients with normal *CYP2C9*, P. Ghadam¹, S. Sadrai², R. Sharifian³, B. Kazemi⁴, Z. Kianmehr¹, F. Yarian¹
The 15th Conference & the 3rd International conference Biology, Tehran-Iran, August, 2008.
- 39) L-Tryptophan production via one-step reaction by immobilized biocatalyst in calcium alginate, Sadeghiyan-Rizi, T., Fooladi, J., Sadrai, S., 7th national congress of biotechnology 12-14 sep 2011
- 40) New Advances in Nanodentistry, Hossain Ali Mahgoli, Sima Sadrai,
NANO BIO 2012: Second International Conference on Nanotechnology at the Biomedical Interface, 21- 23 Feb 2012
- 41) Comparing and modeling the release of liposome and nanoliposomes of sodium diclofenac through human skin, Sima Sadrai, Tayebeh Toliyat, Fahimeh Nasr
NANO BIO 2012: Second International Conference on Nanotechnology at the Biomedical Interface, 21- 23 Feb 2012
- 42) Clopidogrel Pharmacokinetics and Pharmacogenetics in Iranian patients, Dr Sima Sadrai, Dr Parinaz Ghadam, Maryam Dehghan, Dr Fariborz Farsad, Dr Elahe Safara, 13th Iranian Pharmaceutical Sciences Conference (IPSC), 3-5 september 2012
- 43) Pharmacogenetic of CYP2C9 in epileptic patients
21th Iranian Congress of Physiology and Pharmacology, Tabriz- Iran August-September 2013
- 44) Pharmacogenetic of CYP2C19 in epileptic patients
21th Iranian Congress of Physiology and Pharmacology, Tabriz- Iran September 2013
- 45) Genetic Polymorphisms Of Cyp2C9/Cyp2C19 In The Iranian Epileptic Patients And Healthy Subjects, Hajar Nematollahi, Sima Sadrai, Mansour Salehi,
1st International and 13th Iranian Genetic Congress, 3-5 Khordad 93, Tehran Iran
- 46) System Pharmacology and Pharmacometrics, 14th Iranian Pharmaceutical Sciences Congress and 1st Symposium of Biopharmaceutics and Pharmacokinetics, 21-24 December 2015, Tehran, Iran
- 47) Evaluation of Double-Peak Phenomenon of Oral Gliclazide Pharmacokinetics, 14th Iranian Pharmaceutical Sciences Congress and 1st Symposium of Biopharmaceutics and Pharmacokinetics, 21-24 December 2015, Tehran, Iran

PUBLICATIONS

FULL PAPERS:

1. Synthesis, Antibacterial and Antifungal Activity of 2-methylsulfonyl-5-(1-methyl-5-nitro-2-imidazolyl)1,3,4-Thiadiazole. A. Shafiee, M. Anaraki, S. Sadray, F. Kamal, Journal of Sciences Islamic Republic of Iran, Vol.1, No.2 1990, pp 44-48
2. High-performance liquid chromatographic determination of theophylline in human serum. H. Tajerzadeh, S. Sadray, Medical Journal of the Islamic Republic of Iran, Vol.13, No.3, Nov. 1999
3. Likelihood - based diagnostics for influential individuals in nonlinear mixed effect model selection. S. Sadray, Mats Karlsson, Niclas Jonsson, Pharmaceutical Research, No.8, 1999, pp 1260-1265
4. Efficacy of urine samples in bioavailability study of ranitidine. S. Sadray, H. Tajerzadeh, A. Mohajer, A. Mirfazaelian, DARU, Vol 11, No.2, 2003, pp 52-57
5. Non-linear heteroscedastic regression model for determination of methotrexate in human plasma by high-performance liquid chromatography, S. Sadray, S. Rezaee and S. Rezakhah, Journal of Chromatography B, Vol 787, 2003, pp 293-302
6. Assessment of Digoxin Serum Concentration in Continuous and Interrupted Digoxin Regimens, S. Sadray, S. Namazi, Kh. Gholami, M. Eslami, M. Lesanpezeski, H. Fani, DARU, Vol 11, No.3, 2003, pp 99-105
7. Determination of Theophylline Clearance after Cimetidine Infusion in critically ill patients, Mojtahedzadeh M., Sadray S., Hadjibabaie M., Fasihi M., Rezaee S., Journal of Infusion Nursing, Vol 26, no.4, pp 234-238
8. The Effect Of Positive End Expiratory Pressure On Pharmacokinetic Behavior Of Aminophylline In Patients With Acute Lung Injury, Najafi A., Shariat Moharari R., Mojtahedzadeh M., Khajavi M.R., Hadavand N., Sadraei Sima, Journal Of Iranian Society Anaesthesiology And Intensive Care 2003, Volume 23, Number 42; Page(S) 26 To 34.
9. Pharmacokinetics Behavior of Theophylline following PEEP in Critically Ill Patients with Acute Lung Injury, Hadavand N., Mojtahedzadeh M., Sadray S., Shariat Moharari R., Shafaghi B., Khajavi MR. and Salari P., Iranian Journal of Pharmaceutical Research, 2004, Vol. 3, pp 35-40
10. Role of Magnesium Loading Test in Detecting Hypomagnesemia in Critically Ill Patients, Sohrvardi SM., Mojtahedzadeh M., Sadray S, et al, Medical Journal of the Islamic Republic of Iran, Vol 18, no.1, May 2004
11. Comparison of Carbamazepine Clearance Between Epileptic Patients and Patients with Acute Mania, Daru, 12, 2004, AH Mohammadpoor, P Ghaeli, S Sadray, M Noroozian, M Forooghpoor, S Rezaee
12. The relationship between pharmacokinetic variables and pharmacodynamic profiles of bolus versus continuous infusion of furosemide in critically ill patients Mojtaba Mojtahedzadeh, Maria Tavakoli Ardakani, Ebrahim Salehifar, Atabak Najafi, Mohammad Reza, Khajavi, Majid Moeini, *Sima Sadray (correspondence) DARU Volume 13, No. 3, 2005

13. Comparison of the effect of aminophylline and low PEEP vs. high PEEP on EGF concentration in critically ill patients with ALI/ARDS
P. Salari , M. Mojtahedzadeh , A. Najafi, S. Sadrai, K. Bahaadini , M. Moharreri, N. Hadavand and M. Abdollahi
Journal of Clinical Pharmacy and Therapeutics (2005) 30, 139–144
14. Pharmacokinetic and pharmacodynamic evaluation of metformin HCl 500 mg tablet among healthy volunteers
Rouini MR, Sadray S, Ardakani Y, Mokhberi M, Sedaghat S
Iranian journal of Diabetes and lipid disorders, Vol6 No2, Winter 2006
15. Pharmacokinetic analysis of warfarin in Iranian sensitive patients
S.Sadrai, P. Ghadam, R. Sharifian, E. Nematipour, Z. Kianmehr and Sh. Shahriari
International Journal of Pharmacology 4(2): 149- 152, 2008.
16. Assaying of warfarin in Iranian warfarin resistance patient Blood by HPLC
S.Sadrai, P. Ghadam, R. Sharifian and F. Sadeghian
Pakistan Journal of Biological Sciences 11 (4): 683-685, 2008.
17. VKORC1 Gene analysis in Iranian warfarin resistant patient
P. Ghadam, F. Sadeghian ,R. Sharifian, S.Sadrai, B. Kazemi and E. Nematipour
Journal of Biological Sciences 8 (3): 691-692, 2008.
18. Effects of vitamin E administration on APACHE II Score in ARDS patients
M Hajimahmoodi ◊ M Mojtahedzadeh ◊ N GhaffarNatanzi ◊ S Sadrai ◊ N Sadeghi ◊
A Najafi, MR Khajavi ◊ A Hadadi ◊ MR Oveisi ◊ M Kanani DARU ;17(1) : 24-28, 2009.
19. Steady-state pharmacokinetic analysis of vancomycin in Iranian pediatric patients
T Safarnavadeh ◊ S Rezaee ◊ S Dashti-Khavidaki ◊ H Khalili ◊ K Daneshjoo ◊ S Sadrai ◊
H.Z Darvishali ◊ G Khotaei ◊ S Mamishi DARU 17(2) : 124-130, 2009.
20. Genetic mechanisms for sensitivity to the anticoagulant Warfarin
Z. Kianmehr, Parinaz Ghadam, Sima Sadrai, R. Sharifian, Z Maleki
Genetics In The 3rd Millennium, Vol. 7, No. 2, pp 1674-1680, Summer 2009.
21. VKORC1 Gene Analysis of some Iranian Sensitive Patients to Warfarin
Z. Kianmehr, P. Ghadam, S.Sadrai and R. Sharifian, Pakistan Journal of Biological Sciences 13 (18):
906-910,2010.
22. Population pharmacokinetics of oral high-dose busulfan in adult patients undergoing hematopoietic stem cell transplantation
Hadjibabaie M., Rahimian S., Jahangard-Rafsanjani Z., Amini M., Alimoghaddam K., Irvani M., Ghavamzadeh A., Sadrai S. DARU Vol. 19, No. 3,pp 216-223, 2011.
23. Oral lorazepam prevents seizure during high-dose busulfan in children undergoing hematopoietic stem cell transplantation: a prospective study.
Hamidieh AA, Hamedani R, Hadjibabaie M, Amini M, Sadrai S, Ghavamzadeh A. Pediatr Hematol Oncol. Oct;27(7):529-33, 2010.
24. Dissolution Profile Comparison: Model Dependent And Model Independent Approaches
Sima Sadray, Soheila Honary, Pouneh Ebrahimi, Paris Jafari And Saeed Rezaee
International Journal of Pharma and Bio Sciences V1(2)2010

25. Improvement of clavulanic acid production by *Streptomyces clavuligerus* with peanut derivatives Javad Hamedi, Fatemeh Imanparast, Hassan Tirandaz, Behzad Laamerad and Sima Sadrai Annals of Microbiology, (2012) 62:1227–1234
26. Genetic Analysis of Clopidogrel Resistance Maryam Dehghni, Parinaz Ghadam, Sima Sadrai Genetics In The 3rd Millennium, Vol. 8, No. 4, pp 2393-2401, Winter 2011.
27. Clinical Pharmacokinetics of Oral Versus Sublingual Administration of Tacrolimus in Adult Liver Transplant Recipients. Zahra Nasiri-Toosi, Simin Dashti-Khavidaki, Sima Sadrai Exp Clin Transplant (2012), Volume : 10, Issue : 6, Pages : 586-591
28. Effect of Food Stimulated Liquids and Thermocycling on the Monomer Elution from a Nanofilled Composite, *Masumeh Hasani Tabatabaei, Sima Sadrai, Seyed Hossein Bassir, Nadia Veisy and Somaye Dehghan*, The Open Dentistry Journal , 2013; 7: Pp. 62-67
29. Serum Tocopherol, Retinol And Ascorbic Acid Status In The Healthy Local Population Of Tehran, Coden Ijptfi , Afshin Rakhsha , Sima Sadrai , Maryam Jenabi , Zahra Kazemi Ashtiani , Farnaz Barati , Mahboubeh Shaneshin , Mannan Hajimahmoodi, International Journal Of Pharmacy & Technology, IJPT |IJPT | April-2013 | Vol. 5 | Issue No.1 | 5289-5302
30. Clinical Pharmacokinetics of Tacrolimus in Iranian Liver Transplant Recipients, Zahra Nasiri-Toosi; Simin Dashti-Khavidaki ; Mohsen Nasiri-Toosi; Ali Jafarian; Hossein Khalili; Shirinsadat Badri; Sima Sadrai IJPR, Iran J Pharm Res. Volume 13, Issue 1, 2014 Winter; 13(1): 279–282.
31. Optimization of L-Tryptophan Biosynthesis From L-Serine of Processed Iranian Beet and Cane Molasses and Indole by Induced *Escherichia coli* ATCC 11303 Cells, Tahereh Sadeghiyan-Rizi; Jamshid Fooladi; Majid Momhed Heravi; Sima Sadrai Jundishapur J of Microbiol. 2014 June; 7(6)
32. Heart palpitation relief with Melissa officinalis leaf extract: Double blind, randomized, placebo controlled trial of efficacy and safety, Fatemeh Alijaniha, Mohsen Naseri, Suleiman Afsharypuor, Faramarz Fallahi, Ahmadali Noorbala, Mahmood Mosaddegh, Soghrat Faghihzadeh, Sima Sadrai Journal of Ethnopharmacology, 2015 Apr 22; 164:378-84.
33. CYP2C19 Polymorphism in Iranian Patients Receiving Clopidogrel, Parinaz Ghadam, Sima Sadrai, Maryam Yousefi, Maryam Dehghani, Khadijeh Shahriari Atashgah, Genetics in the 3rd Millennium, Vol. 13, No.1, Spring 2015, 3940-3943.
34. Relationship between palpitation and mental health , Alijaniha, F, Noorbala, A, Afsharypuor, S Sadrai Iranian Red Crescent Medical Journal, 18 (3), 2016, art. no. e22615, 5 p.
35. Preliminary Study on Cost-Effective L-Tryptophan Production from Indole and L-Serine by E. coli Cells, Tahereh Sadeghiyan-Rizi, Jamshid Fooladi, Sima Sadrai

36. Effect of Laser-assisted and Conventional In-office Bleaching on Monomer Release from Microhybrid and Nanohybrid Composite.
Omran LR, Farjadfar S, Pedram P, Sadray S, Kamangar SSH, Chiniforoush N.
Laser Ther. 2017 Jun 30; 26(2): 89-96. doi: 10.5978/islm.17-OR-06.
37. A brief comparative effectiveness research (CER) about conventional and homeopathic treatment of type 2 diabetic patients, Sadrai, S., Ghezelsefloo, A., Asadi, M., Osanlo, P., Jafariipoor, A. Vegetos Volume 29, Issue 3, September 2016, Article number 1000160, Pages 189-192
38. Pharmacokinetic behavior of phenytoin in head trauma and cerebrovascular accident patients in an Iranian Population, Alimardani S, Sadrai S, Masoumi HT, Salari P, Najafi A, Eftekhari B, Mojtaba Mojtahedzadeh, Journal of Research in Pharmacy Practice, 2017;6:217-22.
39. Comparison of pharmacokinetic parameters of mycophenolic acid in two groups of Iranian kidney transplant patients, Behjat Sheikholeslami, Marzieh Horabadi Farahani & Sima Sadrai International Journal of Pharmacokinetics, Volume 3, Issue 2 / May 2018, Pages: 61–68
40. Determination of scientific name of bitter “Qust”: an important controversial plant source in the Iranian medicinal plants market for neurological complications, Ebadi N, Bagheri S, Manayi A, Toliyat T, Sadrai S, Tabarraei M, Niktabe Z, Mirabzadeh Ardakani M., Research Journal of Pharmacognosy, 2018; 5(4): 25-32.
41. A comparative study on microencapsulation of tryptophan synthase using *Escherichia coli* whole cells entrapped in different natural polymers, Tahereh Sadeghiyan-Rizi, Jamshid Fooladi, Sima Sadrai, Majid-Momhed Heravi, Health Biotechnology and Biopharma (2018), 2(2): 27-37
42. Ethnobotanical and traditional uses, phytochemical constituents and biological activities of *Eryngium* species growing in Iran, Masoumeh Ghajarieh Sepanlou, Mehran Mirabzadeh Ardakani, Mannan Hajimahmoodi, Sima Sadrai, Gholam-Reza Amin, Naficeh Sadeghi, Seyedeh Nargess Sadati Lamardi, Traditional Medicine Research, May 2019, 4 (3), 148-159
43. The Proximate, Mineral and Amino Acid Composition of Spring, Autumn Leaves and Roots of *Eryngium caeruleum* M.Bieb, Masoumeh Ghajarieh Sepanlou, Fatemeh Salami, Mehran Mirabzadeh Ardakani, Seyedeh Nargess Sadati Lamardi, Sima Sadrai, Gholam-Reza Amin, Naficeh Sadeghi, Mannan Hajimahmoodi, Research Journal of Pharmacognosy (RJP) 6(3), 2019: 1-7
44. Release of human growth hormone from an in-situ implant modulated by poly (ethylene glycol) dimethyl ether and tris (hydroxymethyl) aminomethane, S Mirzaei, H Mobedi, H Gourabi, MH Sanati, S Khezli, H Omidian, ...
Iranian Polymer Journal 29 (11), 1019-1029
45. Preparation of Oxymel (Sekanjabin-e) Buzuri Syrup as Vascular Opener (Mofatteh) Product and Its Standardization, S Sadrai, M Yakhchali, MM Ardakani, MA Vaghasloo, M Vazirian Journal of Integrative Cardiology Open Access 3 (4), 2-6

Book: HPLC and its application in Biotechnology,
By Dr Javad Hamed, Fatemeh Imanparast, Maryam Imani, Sima Sadrai,
University of Tehran Press, No. of publication 3534, 1993

RESEARCH PROJECTS

- 1) Pharmacometrics
- 2) Bioequivalence studies
- 3) Population Pharmacokinetics/Pharmacodynamics Studies of theophylline, digoxin, carbamazepine and methotrexate in Iranian Patients.
- 4) Metabolic Polymorphism Study in
- 5) Methodological methods in population pharmacokinetic model building
- 6) In vitro-in vivo correlation modeling
- 7) Researches in Complementary medicine, e.g. Homeopathy
- 8) System Pharmacology
- 9) Pharmacogenetic

PERSONAL DATA

DATE OF BIRTH:

- 1364/2/22

PLACE OF BIRTH

- Tehran

LANGUAGES

- Persian, English, Germany, Arabic