

Curriculum vitae

Abbas Pardakhty

PharmD, PhD of Pharmaceutics, Professor



Personal information

Surname: Pardakhty

First name: Abbas

Sex: Male

Birth date: Jan 11, 1968

Birthplace: Kerman

Citizenship: IRAN

Marital status: Married, Two kids

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Department of pharmaceutics

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Research activities & Experiences Dissertation

Pharm.D Thesis: Hepatoprotective effect of Silymarin in acute toxicity by CCl₄ in mice. Supervised by Prof. Khalighi and Prof. Omid

PhD Thesis: Niosomes for oral drug delivery of Insulin.

Supervised by Prof. J. Varshosaz, Prof.A.Hajhashemi and Prof. H. Rouholamin

Research Courses:

A. Gene transfer with quaternary palmitoyl Glycol Chitosan

Supervised by Prof. I. F. Uchegbu, Strathclyde University & The Beatson Institute for Cancer Research , Glasgow, UK. 2001

B. Cutaneous Leishmaniasis vaccine design and formulation- collaboration with Prof. Gerrit Borchard, University of Geneva, Geneva, Switzerland and Pharmapeptide Interuniversity Centre for Research and Teaching, Archamps, France. 2010

Laboratory Skills

Cell culture techniques & Gene delivery

Instrumental analysis (HPLC, IR, UV, Spectrophotometer, RIA, Particle size analyzer, DSC, CD)

Controlled release systems (Beads, Vesicles, Microcapsules, Nanospheres)

Cosmetic formulations (Semisolids and coarse dispersions)

Statistical data analysis

Areas of Interest

Basic physicochemical properties of Surfactants

Novel drug delivery systems

Liposome and non-phospholipid vesicle technology

Colloidal and Coarse dispersions

In vitro drug transport study by using cell cultures

Teaching & Professional Experiences

1994-Present: Teaching and lecturing in undergraduate Physical pharmacy, Cosmetic science & technology and Quality control courses

1994-1996: Director of Drug Information Center & Training pharmacy of Kerman faculty of pharmacy.

Sep 2004-Nov 2005: Deputy of Education, Kerman Faculty of Pharmacy

Nov 2005-present: Dean of Kerman faculty of Pharmacy

Aug 2008: Chair of the 11th Iranian Pharmaceutical Sciences Conference (IPSC2008)

IPSC-2010, ICRC-2011, IPSC-2012, ICRC-2014 Scientific committee member

2011-present: National Board of Pharmacy Education, MOH member,

2001-present: Research committee, Kerman University of Medical Sciences

2011-present: Director of Pharmaceutics Research Center, Kerman University of Medical Sciences, Kerman, Iran

2013-present: Vice Chancellor of Research and Technology, Kerman University of Medical Sciences, Kerman, Iran

Professional society membership

- ♦ Iranian Association of Pharmacists
- ♦ Iranian Pharmaceutical Scientists Association
- ♦ American Chemical Society

Editorial Board of Scientific Journals

1. Health & Addiction, Kerman University of Medical Sciences, Kerman, Iran
2. Controlled Release Journal, Controlled Release Society of Iran (CRSI), Iran
3. Nanomedicine Journal, Mashhad University of Medical Sciences, Mashhad, Iran

Guest reviewer

International Journal of Pharmaceutics

Drug Development & Industrial Pharmacy

Drug Delivery

DARU Journal of Pharmaceutical Sciences

Research in Pharmaceutical Sciences

Journal of Microencapsulation

Iranian Journal of Pharmaceutical Research

Iranian Journal of Pharmaceutical Sciences

Publications (English)

1. Varshosaz J, **Pardakhty A**, Hajhashemi VI, Najafabadi AR. Development and physical characterization of sorbitan monoester niosomes for insulin oral delivery. *Drug Deliv.* 10 (2003) 251-262.
2. Uchegbu IF, Sadiq L, **Pardakhty A**, El-Hammadi M, Gray AI, Tetley L, Wang W, Zinselmeyer BH, Schatzlein AG. Gene transfer with three amphiphilic glycol chitosans--the degree of polymerisation is the main controller of transfection efficiency. *J Drug Target.* 12 (2004) 527-539.
3. Varshosaz J, **Pardakhty A**, Baharanchi SM. Sorbitan monopalmitate-based proniosomes for transdermal delivery of chlorpheniramine maleate. *Drug Deliv.* 12 (2005) 75-82.
4. Heidari MR, Mehrabani M, **Pardakhty A**, Khazaeli P, Zahedi MJ, Yakhchali M, Vahedian M. The analgesic effect of Tribulus terrestris extract and comparison of gastric ulcerogenicity of the extract with indomethacin in animal experiments. *Ann N Y Acad Sci.* 1095 (2007) 418-427.
5. **Pardakhty A**, Varshosaz J, Rouholamini A. In vitro study of polyoxyethylene alkyl ether niosomes for delivery of insulin. *Int. J Pharm.* 328 (2007) 130-141.
6. **Pardakhty A**, Foroumadi A, Hashemi M, Rajabalian S, Heidari MR. In vitro cytotoxicity and phototoxicity of N-piperazinyl quinolone derivatives with a 2-thienyl group. *Toxicology in Vitro* 21 (2007) 1031-8.
7. Khazaeli P, **Pardakhty A**, Shoorabi H. Caffeine-Loaded Niosomes: Characterization and in Vitro Release Studies. *Drug Delivery* 14 (2007) 1-6.
8. Kianoush Khosravi-Darani, Abbas **Pardakhty**, Hamid Honarpisheh, V.S.N. Malleswara Rao, M. Reza Mozafari. The role of high-resolution imaging in the evaluation of nanosystems for bioactive encapsulation and targeted nanotherapy. *Micron.* 38 (2007) 804-818.
9. Khazaeli P, **Pardakhty A**, Hassanzadeh F. Formulation of Ibuprofen Beads by Ionotropic Gelation, , *Iranian Journal of Pharmaceutical research* 7 (2008) 163-170.
10. Mozafari MR, Khosravi-Darani K, Borazan GG, **Pardakhty A**. Encapsulation of Food Ingredients Using Nanoliposome Technology. *International Journal of Food Properties* 11 (2008) 833-844.
11. Mozafari MR, **Pardakhty A**, Azarmi S, Jazayeri JA, Nokhodchi A, Omri A. Role of nanocarrier systems in cancer nanotherapy. *Journal of Liposome Research* 19 (2009) 310-321.

12. **Pardakhti A**, Alavi SA, Mir-Kheshti N, Eshaghi P, Safaeian L. Effect of Slow Release Pentoxifylline and Captopril on Delayed Pulmonary Complications of Mustard Gas in Animal Models. *Tanaffos* 8 (2009) 41-49.
13. Moazeni E, Gilani K, Sotoudegan F, **Pardakhti A**, Najafabadi AR, Ghalandari R, Fazeli MR, Jamalifar H. Formulation and in vitro evaluation of ciprofloxacin containing niosomes for pulmonary delivery. *Journal of Microencapsulation* 27 (2010) 618-627.
14. Parirokh M, Ashouri R, Rekabi AR, Nakhaee N, **Pardakhti A**, Askarifard S, Abbott PV. The effect of premedication with ibuprofen and indomethacin on the success of inferior alveolar nerve block for teeth with irreversible pulpitis. *Journal of endodontics* 36 (2010) *Journal of endodontics*.
15. Noudeh, GD, Noodeh, AD, Moshafi, MH, Afzadi, MA, **Pardakhti, A**, Salandari, M. Investigating the effects of various additives on surface activity and emulsification index of biosurfactant resulting from broth media of *Bacillus subtilis* PTCC 1023 *African Journal of Microbiology Research* 4 (2010) 1981-1990.
16. Akbari V, Sadeghi DA, **Pardakhti A**, S Shafizadegan H. Antimicrobial properties of non-ionic surfactant vesicles containing ciprofloxacin. *Research in Pharmaceutical Sciences*. 2012;7(5):S15.
17. **Pardakhti A**. Study on the main factors affecting the non-ionic surfactant vesicular size. *Research in Pharmaceutical Sciences*. 2012;7(5):S1038.
18. **Pardakhti A**, Shakibaie M, Daneshvar H, Khamesipour A, Mohammadi-Khorsand T, Forootanfar H. Preparation and evaluation of niosomes containing autoclaved *Leishmania major*: a preliminary study. *Journal of Microencapsulation*. 2012;29(3):219-24.
19. Parirokh M, Sadeghi AS, Nakhaee N, **Pardakhti A**, Abbott PV, Yosefi MH. Effect of Topical Anesthesia on Pain during Infiltration Injection and Success of Anesthesia for Maxillary Central Incisors. *Journal of Endodontics*. 2012.
20. **Pardakhti, A**. Study on the main factors affecting the non-ionic surfactant vesicular size. *Research in Pharmaceutical Sciences*. 2012;7(5): S1038.
21. **Pardakhti, A**. and H. Soltani. Formulation and characterization of calcium alginate beads loaded with rhodamin B niosomes. *Research in Pharmaceutical Sciences*. 2012;7(5): S335.
22. Akbari V, Abedi D, **Pardakhti A**, Sadeghi-Aliabadi H. Ciprofloxacin nano-niosomes for targeting intracellular infections: an in vitro evaluation. *Journal of Nanoparticle Research*. 2013;15(4):1-14.
23. **Pardakhti A**, Moazeni E. Nano-niosomes in drug, vaccine and gene delivery: a rapid overview. *Nanomedicine Journal*. 2013; 1: 1-10.

24. J Varshosaz, S Taymouri, **A Pardakhty**, M Asadi-Shekaari, A Babaei. Niosomes of Ascorbic Acid and α -Tocopherol in the Cerebral Ischemia-Reperfusion Model in Male Rats. *BioMed Research International* 2014

25. B Sedighi, **A Pardakhty**, H Kamali, K Shafiee, BN Hasani. Effect of *Boswellia papyrifera* on cognitive impairment in multiple sclerosis. *Iranian Journal of Neurology*. 2014;13 (3), 149

Publications (Persian):

1. Gharavi SM, Tavakoli N, **Pardakhty A**, Baghaei Zadeh N, Determination of sun protection factor of sunscreens by two different in-vitro methods. *RESEARCH IN MEDICAL SCIENCES* (2000) 48-54.

2. Gharavi SM, **Pardakhty A**, Haghighatzadeh L, Formulation stability and evaluation of percutaneous absorption of topical solution of Minoxidil and Minoxidil-Ethynil Estradiol. *IRANIAN JOURNAL OF BASIC MEDICAL SCIENCES* 2(2001) 95-100.

3. **Pardakhty A**, Varshosaz J, Haj Hashemi V, Rouh Alamini AH, Formulation of Insulin containing Niosomes and the effect of their oral administration on blood Glucose in Streptozotocin-induced diabetic rats. *JOURNAL OF KERMAN UNIVERSITY OF MEDICAL SCIENCES* 12 (2005) 119-129.

4. Heidari MR, Ebrahimi S, Mehrabani M, **Pardakhty A**, Vafa Zadeh J, Effects of Methanolic extract of *Achillea wilhelmsii* C.koch on seizure induced by Picrotoxin in mice. *JOURNAL OF BABOL UNIVERSITY OF MEDICAL SCIENCES* 28(2005) 7-13.

5. **Pardakhty A**, Moshafi MH, Motesafi H. Preparation and evaluation of physicochemical and antimicrobial properties of niosomes containing cholramphenicol sodium succinate. *TABRIZ JOURNAL OF PHARMACEUTICAL SCIENCES*. (2007) 11-21.

6. Rajabalian S, Foroumadi A, Heidari MH, Karimzadeh R, **Pardakhty A**, Hosseini R. Cytotoxicity evaluation of 16 new quinolone derivatives on different neoplastic cells. *JOURNAL OF KERMAN UNIVERSITY OF MEDICAL SCIENCES*. 14 (2007)100-108.

7. Talebi Bakhshayesh M., **Pardakhty A.**, Sabet Jahromi M. Formulation and in vitro characterization of niosomes containing insulin and aprotinin for oral administration. *TABRIZ JOURNAL OF PHARMACEUTICAL SCIENCES*. 16 (2010) 57-68.

Congresses:

- 1- **Pardakhty**, A., Shariat, M., Khalighi, M. and Omidy, A. Study on therapeutic effects of Silymarin in acute hepatotoxicity of CCl₄ in mice. 3rd Iranian congress on poisoning & 1st International workshop on poisons information centers, Mashad, Iran, Oct.16-21, 1993 (oral presentation).
- 2- Shariat, M., **Pardakhty**, A., Khalighi, M. and Omidy, A. Therapeutic effects of Silymarin in experimental acute CCl₄ toxicity in mice, The 5th world congress of the world federation of associations of clinical toxicity centers & poison control centers, Taipei, Taiwan, 1994 (poster).
- 3- Mostafavi, A., **Pardakhty**, A. Role of metabolites in bioequivalence studies, in: The 6th congress of pharmaceutical sciences of Iran, Isfahan, Aug. 26-27, 1998 (poster).
- 4- **Pardakhty**, A., Tavakoli, N., Shojai, A. Solubility increment of Ibuprofen in aqueous solutions by micellar solubilization and co-solvency, in: The 6th congress of pharmaceutical sciences of Iran, Isfahan, Aug., 26-27, 1998 (poster).
- 5- **Pardakhty**, A., Sadeghi, B. Effect of alcohols presence on CMC of Polysorbate 80, in: The 6th congress of pharmaceutical sciences of Iran, Isfahan, Aug. 26-27, 1998 (oral presentation).
- 6- **Pardakhty**, A. CMC of Polysorbates and Polyoxyethylene alkyl ethers (Brijs), in: The 6th congress of pharmaceutical sciences of Iran, Isfahan, Aug. 26-27, 1998 (poster).
- 7- Gharavi, M., Tavakoli, N. and **Pardakhty**, A. Comparison of two in vitro methods for determination of SPF of sunscreens, in: The 5th international seminar on hygienic & cosmetic industries, Tehran, Oct, 19-21, 1999(oral presentation).
- 8- Gharavi, M., Tavakoli, N. and **Pardakhty**, A. Determination of SPF of sunscreens by two different in vitro methods in: The 7th congress of pharmaceutical sciences of Iran, Mashad, Aug. 26-28, 2000 (poster).
- 9- **Pardakhty**, A. and Jafarabadi, H. Study and review of capabilities of pH sensitive drug delivery systems in drug delivery, in: The 6th student's seminar of pharmacy, Ahvaz, Feb., 23-26,2000 (poster).
- 10- **Pardakhty**, A. and Imami, A. Determination of CMC and detergency properties of three total saponin extracts , in: The 6th student's seminar of pharmacy, Ahvaz, Feb., 23-26,2000 (poster).
- 11- Zargarzadeh, A., **Pardakhty**, A. And Arabzadeh, L. Investigation on physical incompatibility of some injectable drugs with Iranian manufactured LVPs, in: The 7th student's seminar of pharmacy, Isfahan, Feb., 23-26,2001 (poster).
- 12- Gharavi, M., Tavakoli, N. and **Pardakhty**, A. Comparison of two *in vitro* methods for determination sun protection factor (SPF) of some commercial sunscreens, Res. Med. Sci. 5(supp.2), 48-53, 2000.
- 13- Gharavi, M., **Pardakhty**, A. and Haghighatzadeh, L. Study on stability and percutaneous absorption of a tonic containing Minoxidil and Ethinyl estradiol, Res.Med.Sci. In press.
- 14- Varshosaz, J., **Pardakhty**, A., Hajhashemi, V. and Rouholamini, A. Development and physical characterization of sorbitan monoester niosomes for insulin oral delivery. Drug Delivery, 10:251-262, 2003
- 15- Uchegbu, I.F., Sadiq, L., **Pardakhty**, A., El-Hammadi, M., Gray, A.I., Tetley, L., Wang, W., Zinselmeyer, B.H. and Schatzlein, A.G. Gene transfer with three amphiphilic glycol chitosans: the degree of polymerisation is the main controller of transfection efficiency. J. drug Target. 12:527-539, 2004.
- 16- Varshosaz, J., **Pardakhty**, A. and Hosseini, S.M. Sorbitan monopalmitate-based proniosomes for transdermal delivery of chlorpheniramine maleate. Drug Delivery, 12:251-262, 2005.

- 17- **Pardakhty**, A., Varshosaz, J., Hajhashemi, V. and Rouholamini, A. Formulation of insulin containing niosomes and the effect of their oral administration on blood glucose in streptozotocin-induced diabetic rats. Kerman Medical University Journal, 12(2): 119-129.
- 18- **Pardakhty**, A., Varshosaz, J., Hajhashemi, V. and Rouholamini, A. and Jabbari, S. Release kinetic study of encapsulated insulin from neutral, negatively and positively-charged niosomes and protection against proteolytic enzymes, in: 1st EUFEPS conference, Paris, 2003.
- 19- **Pardakhty**, A., Varshosaz, J., Hajhashemi, V. and Rouholamini, A. Hypoglycemic effects of orally administered niosome-entrapped human insulin in diabetic rats, in: 12th international Pharmaceutical Technology Symposium (IPTS), Turkey, 2004.
- 20- **Pardakhty**, A., Khazaeli, P. and Abbasian, A.M. Formulation and characterization of chlorpheniramine maleate lipospheres, in: 2nd EUFEPS conference, Paris, 2005.
- 21- Moazeni, E., **Pardakhty**, A. Rouholamini, A. and Gilani, K. Formulation and nebulization of niosomal insulin, in: 2nd EUFEPS conference, Paris, 2005.
- 22- Moazeni, E., Gilani, K., Rouholamini Najafabadi, A., **Pardakhty**, A. PULMONARY DELIVERY OF PROTEINS BY NIOSOMAL CARRIERS. Genomics and Biotechnology in non communicable diseases, Tehran, 2008.
- 23- Swiss Pharma Day, 2010
- 24- IPSC 2012, Isfahan, Iran
- 25- The 1st Middle East and the 6th Iranian Controlled Release Conference, 2014, Tehran, Iran.