

Scientific and Executive resume

Saeid Daneshamouz,

(Pharm. D; Ph. D.)

Associate professor in Pharmaceutics
School of pharmacy, Shiraz University of Medical Sciences



PERSONAL DETAILS

Name and surname: Saeid Daneshamouz

Date of Birth: 4 september 1972

Place of Birth: Mashhad

Address:

1st-**Department of Pharmaceutics,**

2nd- Department of Traditional Pharmacy,

3rd- Department of Pharmaceutical Nanotechnology,

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Education:

- **1998-2005** *Ph. D in Pharmaceutics*, Faculty of Pharmacy, Isfahan University of Medical Sciences, Isfahan, IRAN
- **1991-1997** *Pharm. D* Faculty of Pharmacy, Mashhad University of Medical Sciences, Mashhad, IRAN

Sabbatical Fellow:

- 2003- Department of Pharmaceutical Sciences, University of Strathclyde, Scotland.

Sabbatical Fellow (internal):

- **2016-** Exir pharmaceutical company, Boroujerd, Iran

Professional society membership:

1. Iranian Association of Pharmaceutics
2. Society of Pharmaceutical Specialists of Iran

Research activities and experimental dissertation:

- **Ph. D thesis:** Liposome-mediated Targeting of Finasteride to the Hair Follicles (**2005**), Isfahan University of Medical Sciences, Faculty of Pharmacy, Department of Pharmaceutics, Isfahan, IRAN
- **Pharm. D thesis:** Standardization of Berberis vulgaris for the presence of Berberine (**1997**), Mashhad University of Medical Sciences, Faculty of Pharmacy, Department of Pharmaceutics, Mashhad, Iran

EDUCATIONAL AND RESEARCH ACTIVITIES

Publications and Congress:

- 54- H Ashrafi, A Azadi, S Mohammadi-Samani, Y Ghasemi, **S Daneshamouz***
Fatty acid-peptide-bioconjugated micellar nanocarrier as a new delivery system for L-asparaginase: multi-criteria optimization, characterization, and pharmacokinetic study, Colloid and Polymer Science **2021**, 299 (1), 153-164
- 53- H Ashrafi, A Azadi, S Mohammadi-Samani, Y Ghasemi, **S Daneshamouz***,
Preliminary study for the preparation of fatty acid bioconjugated L-asparaginase micellar nanocarrier as a delivery system for peptide anti-cancer agents, Trends in Pharmaceutical Sciences **2020**, 6 (3), 175-188
- 52- Mahmood Nejabat, Kazem Soltanzadeh, Masoud Yasemi, **Saeid Daneshamouz**, Amin Reza Akbarizadeh, Mojtaba Heydari, Efficacy of honey based ophthalmic formulation in patients with corneal ulcer; A randomized clinical trial. Current drug discovery technologies 2020,
- 51- Parisa Ghasemiyeh, Amir Azadi, **Saeid Daneshamouz**, Reza Heidari, Negar Azarpira, Soliman Mohammadi-Samani, Cyproterone acetate-loaded nanostructured lipid carriers: effect of particle size on skin penetration and follicular targeting, Pharmaceutical development and technology **2019**, 24 (7), 812-823
- 50- A Arabzadeh, A Azadi, **S Daneshamouz**, S Karami, M Rezaei, Anti-Halitosis Tooth Paste: From Persian Manuscripts toward Clinic, Research Journal of Pharmacognosy **2018**, 5 (4), 15-23
- 49- P Badr, **S Daneshamouz**, S Afsharypuor, M Ayaz, Allergic contact dermatitis by Boswellia carterii ointment in a deep 2nd degree burn wound: a case report, Research Journal of Pharmacognosy **2018**, 5 (1), 1-3
- 48- A. Zargarani, A. Borhani-Haghighi, M Salehi-Marzijarani, P Faridi, **S Daneshamouz**, A Azadi, H Sadeghpour, A. Sakhteman, A. Mohagheghzadeh. Evaluation of the effect of topical chamomile (Matricaria chamomilla L.) oleogel as pain relief in migraine without aura: a randomized, double-blind, placebo-controlled, crossover study. Neurological Sciences, 28 may **2018**

- 47- E Parhizkar, F Ahmadi, **S Daneshamouz**, S Mohammadi-Samani, A Sakhteman, G Parhizgar Synthesis and characterization of water-soluble conjugates of cabazitaxel hemiesters-dextran. *Anti-cancer agents in medicinal chemistry* **2017** Volume17
doi:10.2174/1871520617666170213120506
- 46- E Parhizkar, **S Daneshamouz**, S Mohammadi-Samani, A Sakhteman, G Parhizkar, M Omid, F Ahmadi Synthesis and in vitro assessment of novel water-soluble dextran-docetaxel conjugates as potential pH sensitive system for tumor-targeted delivery. *Journal of Applied Polymer Science*, 134, 43, **2017**, DOI: 10.1002/app.45457
- 45- A Zargaran, A Sakhteman, P Faridi, **S Daneshamouz**, A R Akbarizadeh, A Borhani-Haghighi, A Mohagheghzadeh Reformulation of Traditional Chamomile Oil: Quality Controls and Fingerprint Presentation Based on Cluster Analysis of Attenuated Total Reflectance–Infrared Spect. *Journal of Evidence-Based Complementary & Alternative Medicine* 2017, 2156587217710982
- 44- A Mohagheghzadeh, A Zargaran, P Faridi, **S Daneshamouz**, A Borhani-Haghighi, A Azadi, M H Hashempur, Renovation and standardization of a historical pharmaceutical, *Traditional and Integrative Medicine*, 2016, 1, 3, 108-114
- 43- P Badr, **S Daneshamouz**, AA Mohammadi, AR Akbarizadeh, S Afsharypuor The effect of 60 Co-gamma radio-sterilization on *Boswellia carterii* essential oil composition, *Research Journal of Pharmacognosy (RJP)*, 2016, 3, 4, 67-74
- 42- A Zargaran, **S Daneshamouz**, G Kordafshari, A Mohagheghzadeh Renovation of a traditional Ergh-al-Nassa pill (Hab) to a standard Pharmaceutical molded tablet., *Pakistan journal of pharmaceutical sciences* 2016, 29, 5
- 41- A Zargaran, A Borhani-Haghighi, P Faridi, **S Daneshamouz**, A Mohagheghzadeh A review on the management of migraine in the Avicenna's Canon of Medicine, *Neurological Sciences*, 2016, 37, 3, 471-478
- 40- A Zargaran, P Faridi, **S Daneshamouz**, A Borhani-Haghighi, A Azadi, MH Hashempur, A Mohagheghzadeh Renovation and standardization of a historical pharmaceutical formulation from Persian Medicine: chamomile oil, *Pharm. Hist.(Lond)*, 2015
- 39- P Badr, **S Daneshamouz**, AA Mohammadi, S Afsharypuor Knowledge of burn wound healing: the heritage from traditional pharmacy of Persia. *Pharmaceutical historian* 44, 4, 88-93, 2014/12
- 38- A Zargaran a,b, A Borhani-Haghighi, P Faridi, **S Daneshamouz**, G Kordafshari f, A Mohagheghzadeh* Potential effect and mechanism of action of topical chamomile (*matricaria chammomila* L.) oil on migraine

headache: a medical hypothesis, *Medical Hypotheses*, Volume 83, Issue 5, Pages 566–569, **2014**

- 37- P Badr, **S Daneshamouz**, A A Mohammadi, S Afsharypuor*, Knowledge of burn wound healing: the heritage from Traditional Pharmacy of Persia, *Pharmaceutical historian (London)*, **44 (4)88-93, 2014**

- 36- Ashrafi H., Amini M., Mohammadi-Samani S., Ghasemi Y., Azadi A., Tabandeh M. R., Kamali-Sarvestani S., **Daneshamouz S.***. Nanostructure l-asparaginase-fatty acid bioconjugate: Synthesis, preformulation study and biological assessment. *International Journal of Biological Macromolecules* **62 (2013) 180– 187**

- 35- Mojahedian M. M., **Daneshamouz S.***, Mohammadi-Samani S, Zargar A, A novel method to produce solid lipid nanoparticles using n-butanolas an additional co-surfactant according to the o/w microemulsion quenching technique. *Chemistry and Physics of Lipids* **174 (2013) 32– 38**

- 34- Zargar A., Ahmadi S.A., **Daneshamouz S.**, Mohagheghzadeh A. Ancient Persia Pharmaceutical Vessels and Tools in Iranian Archaeological Museums. *Pharmaceutical Historian (London)* **42, 4 (December) 68-71 ; 2012**

- 33- Zargar A., **Daneshamouz S.**, Mohagheghzadeh A. Pharmaceutical Evaluation of a traditional formulation: Ergh-al-Nessa pill (Hab). *Pharmaceutical Biology* **2014 (submitted, under revision)**

- 32- Zargar A., Ahmadi S.A., Daneshamouz S., Mohagheghzadeh A., Physicians in ancient Persia. *Res His Med* **2012; 1(3)67-79**

- 31- Ashrafi H., Amini M., Mohammadi-Samani S., Ghasemi Y., Tabandeh M., **Daneshamouz* S.**, Protein bioconjugates: the novel delivery system for L-asparaginase. *Research in Pharmaceutical Sciences*, **2012;7(5): S267**

- 30- **Daneshamouz* S.**, Daniali M.N., Mohammadi-Samani S., Jaafari M. R., Preparation and Characterization of Multivesicular Vesicles (MVVs) Containing Gentamicin as A Depot Drug Delivery System. *Research in Pharmaceutical Sciences*, **2012;7(5): S364**

- 29- Yousefi* G., **Daneshamouz S.**, Sadoughian F., Development of new oral self-microemulsifying drug delivery systems (SMEDDS) for carvedilol. *Research in Pharmaceutical Sciences*, **2012;7(5): S323**

- 28- **Daneshamouz S. ***, Firouzabadi D., Javidnia K., Khaliji T., Abedtash H., Proliposomal/proniosomal gel Preparation and in-vitro characterization: a novel carrier system for water soluble paromomycin sulfate for topical

treatment of cutaneous leishmaniasis. *1st Iranian Cosmeceutical Congress May 2 •12; Isfahan-Iran*

- 27- Badr P., **Daneshamouz S. ***, Afsharipour S., Mohammadi A. A. Reliance on traditional herbal medicine for burns wound healing. *1st Iranian Cosmeceutical Congress May 2 •1 ۲; Isfahan-Iran*
- 26- Abolmaali S. S., Tamaddon* A. M., Farvadia F. S., **Daneshamouz S.**, Moghimi H., Pharmaceutical Nanoemulsions and Their Potential Topical and Transdermal Applications, *Iranian Journal of Pharmaceutical Sciences, Summer 2011: 7(3): 139-150 (Review Article)*
- 25- Mohagheghzadeh A., Zargaran A., **Daneshamouz S.** Cosmetic sciences from ancient Persia, *Pharmaceutical Historian (London) 2011;41 (2) 18-23*
- 24- Zargaran A., **Daneshamouz S.**, Mohagheghzadeh A., Medical Education in Ancient Persia, *Iranian Journal of medical education, summer 1390, vol 11 (1) 103-109, (Full Article, Persian)*
- 23- Zargaran A., **Daneshamouz S.**, Mohagheghzadeh A. **Jorghedan Historical Tool for Pediatric Feeding**, *International society for the history of Islamic medicine congress, Istanbul, Turkey, 24-25 oct 2010*
- 22- **Daneshamouz S.**, Zargaran A., Mohagheghzadeh A. Pharmaceutical vessels from ancient Persia, *39th international congress for the history of pharmacy, wien, 2009*
- 21- **Daneshamouz S. ***, Abedtash H., Mohagheghzadeh A. Release of Rutin from controlled release proniosome/proliposomes, a mechanistically study, *4th Iranian CRS 2009*
- 20- **Daneshamouz S.**, Tabbakhian M. *, Jaafari M. R., Tavakoli N., Enhancement of in vivo follicular delivery of finasteride by liposomes and niosomes using hamster ear model: effect of size, charge and gel-liquid transition of components. *11th Iranian Seminar of Pharmaceutical Sciences (ISPS), 18-21 August 2008, Kerman, Iran.*
- 19- **Daneshamouz S. ***, Mohammadi-Samani S., Mojahedian M. M., Preparation of solid lipid nanoparticles (SLN)/nanostructured lipid carriers (NLC) containing cyproterone acetate using warm microemulsion quenching process: characterization and scale up. *11th Iranian Seminar of Pharmaceutical Sciences (ISPS), 18-21 August 2008, Kerman, Iran.*
- 18- **Daneshamouz S. ***, Mohagheghzadeh A., Abedtash H., Niosomes as carrier for oral delivery of Rutin: preparation and physicochemical characterization, *11th Iranian Seminar of Pharmaceutical Sciences (ISPS), 18-21 August 2008, Kerman, Iran.*

- 17- Zargaran A., Mohagheghzadeh A., **Daneshamouz S.**, Ghasemi Y., Rajabli N. Cosmetic Sciences in Ancient Persia. *Kuala Lumpur, Malaysia, 31 Aug-6 Sep, 2007*
- 16- **Daneshamouz S.***, Mohagheghzadeh A., Abedtash H., Proniosome as a novel carrier for oral delivery of Rutin: preparation and physicochemical characterization. *Beijing, China 31 Aug-6 Sep, 2007*
- 15- Tabbakhian M., Jaafari M. R., Tavakoli N., **Daneshamouz S.**, Enhancement of Follicular Delivery of Finasteride by Liposomes and Niosomes: 1. In Vitro Permeation and In Vivo Deposition Studies Using Hamster Flank and Ear Models, *International journal of Pharmaceutics 2006, 323: 1-10*
- 14- **Daneshamouz S.**, Tabbakhian M., Tavakoli N. Jaafari M. R., Influence of Liposomes and Niosomes on the In vitro Permeation and Skin Retention of Finasteride. *Iranian Journal of Pharmaceutical sciences. 2005;1(3):119-130*
- 13- Tabbakhian M., **Daneshamouz S.**, Tavakoli N., Jaafari M. R., Influence of Liposomes and Niosomes on the In vitro Permeation and Skin Retention of Finasteride, poster PO53 in the *2nd EUFEPS conference on Optimising Drug Delivery and Formulation: Evaluation of Drug Delivery Systems Issues and Perspectives, November 20-23, 2005, Versailles, France.*
- 12- Tabbakhian M., Tavakoli N., Jaafari M. R., **Daneshamouz S.**, Finasteride Containing Niosomes and Liposomes Aimed for Drug Delivery to Hair Follicles, poster 501 in the *8th World Congress on Clinical Pharmacology & Therapeutics, CPT 1-6 August 2004, Brisbane, Australia.*
- 11- Tabbakhian M., **Daneshamouz S.**, Jaafari M. R., Tavakoli N., Preparation and Characterization of Niosomes Containing Finasteride, poster w4197 in *AAPS (American Association of Pharmaceutical Sciences) Annual Meeting & Exposition, 10-14 November 2002, Toronto, Ontario, Canada.*
- 10- Tabbakhian M., Tavakoli N., Jaafari M. R., **Daneshamouz S.**, Thermal Analysis Studies on Niosomal Formulations of Finasteride by Differential Scanning Calorimetry (DSC), *8th Iranian Seminar of Pharmaceutical Sciences (ISPS), 26-28 August 2002, shiraz, Iran.*
- 9- **Daneshamouz S. ***, Abrishami R., Liposomes as a model Membrane for Evaluation of Partition Coefficient, *7th Seminar of Iranian Pharmacy Student, 2000, Isfahan, Iran.*
- 8- Shatalebi M. A., **Daneshamouz S.**, Jaafari E., Goodarzi S., Phase Inversion Temperature Emulsification, Effect of Surfactant Concentration, *7th Seminar of Iranian Pharmacy Student, 2000, Isfahan, Iran.*

- 7- Tavakoli N., **Daneshamouz S.**, Preparation and Evaluation of Progesterone Suppositories and Comparison of Drug Release From Different Bases, *The 7th Iranian Seminar of Pharmaceutical Sciences (ISPS), 26-28 August 2000, Mashhad, Iran.*

- 6- Tabbakhian M., Jaafari M. R., Tavakoli N., **Daneshamouz S.**, Physicochemical Characterization of Liposomal and Niosomal Formulations Containing Finasteride, HPLC Determination of Finasteride. *1st Seminar of Methodology in Pharmaceutical Sciences, 25-27 August 2001, Mashhad, Iran.*

- 5- N, Khalili, **S. Daneshamouz**, Standardization of Berberis vulgaris for Presence of Berberine, the *6th Iranian Seminar of Pharmaceutical Sciences (ISPS), 27-29 August 1998, Isfahan, Iran.*

- 4- N, Khalili, **S. Daneshamouz**, Situation of Medicinal Plants in Pharmaceutical Industry, *1st seminar of Medicinal Plants and Industry, 13-15 May 1997, Shiraz, Iran.*

- 3- **Daneshamouz S.**, Emami S. A., Haririzadeh G., Herbarium of Mashhad Pharmacy School, *2nd Seminar of Iranian Pharmacy Student, 1995, Mashhad, Iran.*

- 2- Hasanzadeh, M. Beheshty H., Taherzadeh J., Razavi M., Salimy M., Fadisheii M., Eslami S., Abnous K., **Daneshamouz S.**, Computerization of Library of Mashhad School of Pharmacy, *2nd Seminar of Iranian Pharmacy Student, 1995, Mashhad, Iran.*

- 1- Rakhshandeh H., **Daneshamouz S.**, Pharmacological properties of Berberis Alkaloids, *2nd Seminar of Iranian Pharmacy Student, 1995, Mashhad, Iran.*

EXECUTIVE AND JOB RECORDS

- ❖ 2018-2019: R&D consultant, Razak Pharmed Pars, Pharmaceutical Co, Tehran, Iran
- ❖ 2017-2018: R&D consultant, Zagros Pharmed Pars, Pharmaceutical Co, Boroujerd, Iran
- ❖ **2016-now Associate professor in pharmaceutics, Department of Pharmaceutics**, Faculty of Pharmacy, Shiraz University of Medical Sciences.
- ❖ 2015-2017: consultant in pharmaceutical investment projects, Tamin Pharmaceutical Investment Co, Tehran, Iran
- ❖ 2013-now: manager, “Taskin-Teb-Pars” science-based Co., Traditional medicine and medicinal plant Incubator, Shiraz University of Medical Sciences.
- ❖ 2013-2015: R&D consultant, Sobhan Oncology Pharmaceutical Co, Rasht, Iran.
- ❖ 2012-now: Member of Traditional medicine and medicinal plant Incubator, Shiraz University of Medical Sciences.
- ❖ **2012-now: Department of Pharmaceutical Nanotechnology**, Faculty of Pharmacy, Shiraz University of Medical Sciences.
- ❖ **2011-2014: Manager, The Office of Consultative Collaborations**, Shiraz University of Medical Sciences.
- ❖ 2011-now: Member of Biotechnology Incubator, Shiraz University of Medical Sciences.
- ❖ **2010-2012: Department of medical Nanotechnology**, Faculty of Advanced Novel Sciences, Shiraz University of Medical Sciences.
- ❖ 2008-2018: R&D consultant, Exir Pharmaceutical Co, Boroujerd, Iran.
- ❖ **2008-now: Department of Traditional Pharmacy**, Faculty of Pharmacy, Shiraz University of Medical Sciences.
- ❖ 2008-now: Consultant, Traditional Medicine Research Center, Shiraz University of Medical Sciences.
- ❖ **2007-2009: Head of Department of Pharmaceutics**, Faculty of Pharmacy, Shiraz University of Medical Sciences.
- ❖ 2006-2011: Executive Committee, Iranian Journal of Pharmaceutical Sciences.
- ❖ 2006-2010: Consultant, food-Cosmetic Quality Control Laboratory, Food-Drug vice Consoler, Shiraz University of Medical Sciences.
- ❖ 2006-2008: Responsible for Pharmacy Internship, Faculty of Pharmacy, Shiraz University of Medical Sciences.
- ❖ **2005-2016: Assistant professor in pharmaceutics, Department of Pharmaceutics**, Faculty of Pharmacy, Shiraz University of Medical Sciences.

TITLES AND HONORS

2015- Award for University-Industry R&D Collaboration, Shiraz University of Medical Sciences, Shiraz, Iran

2013- Award for University-Industry R&D Collaboration, Shiraz University of Medical Sciences, Shiraz, Iran

2012- Award for Teaching Excellence, Shiraz University of Medical Sciences, Shiraz, Iran.

2012- Award for Evaluation Excellence in Shiraz School of pharmacy, Shiraz University of Medical Sciences, Shiraz, Iran.

2005- Honor Graduate Student Award, Isfahan University of Medical Sciences, Isfahan, Iran.

2002- Award for Excellence presentation, 8th Iranian Seminar of Pharmaceutical Sciences, Shiraz, Aug. 27-29, 2002.

TEACHING EXPERIENCES:

2005-present (Shiraz University of Medical Sciences, Shiraz, Iran):

A) Ph.D. courses (theory and lab)

1- 2007-present: Courses for **Ph.D.** candidates in **pharmaceutics**

(Department of **pharmaceutics**, School of Pharmacy):

- **Industrial pharmacy** (solubilization, coating, packaging, pelletization)
- **Novel Drug Delivery Systems** (mechanisms, delivery to the oral cavity, gastro-retentive delivery systems, colon delivery) (theory and Lab)
- **Physical pharmacy** (colloids, interfacial phenomenon) (theory and Lab)
- **Polymer sciences** (responsive polymers)
- **Quality control** (thermal analysis, DSC) (theory and Lab)
- **Computer/software** (image processing- reference manager) (theory and Lab)

2- 2007-present Courses for **Ph.D.** candidates in **Traditional**

Pharmacy (Department of **Traditional Pharmacy**, School of Pharmacy):

- **Dosage form design/Quality control** (solutions, emulsions, suspensions, semisolids, lotions, coating) (theory and Lab)
- **Standardization of herbal medicines**

3- 2011-2012 Courses for Ph.D. candidates in Pharmaceutical Biotechnology (Department of Biotechnology, School of Pharmacy):

- Route of administration
- Aseptic preparation and clean-rooms
- Sterilization and control of sterility
- Pharmaceutical packaging
- Preformulation in biotechnology

4- 2012: Courses for Ph.D. candidates in Medical Biotechnology (School of Advanced Medical Sciences and Technologies)

Sections in nano-biotechnology:

- Vesicular systems, Liposomes
- Nanoparticle fabrication & characterization

•Ph.D Thesis Supervision (defensed)

5- (2017) **Ahmadi, Z.***, **Daneshamouz S.***, Mohammadi-Samani S. Synthesis and characterization of water-soluble conjugates of cabazitaxel hemiesters-dextran (**Ph.D candidate: Parhizgar E**, Department of **Pharmaceutics**, School of Pharmacy, Shiraz University of Medical Sciences, Shiraz)

4- (2016) Mohagheghzadeh* **A.Daneshamouz S***, preparation and clinical evaluation of Tooth paste containing mastic Oleogum resin on Halitosis, (**Ph.D candidate: Arabzadeh A.**, Department of **Traditional Pharmacy**, School of Pharmacy, Shiraz University of Medical Sciences, Shiraz)

3-(2015) Mohagheghzadeh* **A.**, **Borhan Haghighi A.**, **Daneshamouz S***, , *preparation of a semisolid formulation containing chamomile and clinical trial on acute migraine without aurea* (**Ph.D candidate: Arman Zargaran**, Department of **Traditional Pharmacy**, School of Pharmacy, Shiraz University of Medical Sciences, Shiraz)

2-(2014) **Daneshamouz S***, Mohammadi A., Afsharipour S., *Formulation of standardized cream containing Boswellia oleogumresin and randomized clinical trial on wound healing in 2nd degree burns comparing Silver sulfadiazine* (**Ph.D candidate: Badr Parmis**, Department of **Traditional Pharmacy**, School of Pharmacy, Shiraz University of Medical Sciences, Shiraz)

1-(2014) **Daneshamouz S.***, Mohammadi-Samani S., Amini M. *Preparation and evaluation of a novel delivery system for L-asparaginase based on lipid-protein bioconjugate* (**Ph.D candidate: Ashrafi Hajar**, Department of **Pharmaceutics**, School of Pharmacy, Shiraz University of Medical Sciences, Shiraz)

TEACHING EXPERIENCES (continued):

B) Undergraduate-Pharm. D students (theory and lab):

Courses:

- Dosage forms 1 and 2
- Industrial pharmacy 1 and 2
- Physical pharmacy 1 and 2
- Drug information/pharmacy practice
- Fundamental pharmacy
- Pharmaceutics I-V
- Cosmetic and toiletries
- Internship in industrial pharmacy

1998-2005 (Isfahan University of Medical Sciences, Isfahan, Iran):

Courses for pharmacy students (Isfahan School of Pharmacy):

- Dosage forms 1 and 2 (theory and lab)
- Industrial pharmacy 1 and 2 (theory and lab)
- Pharmacy practice
- Fundamental pharmacy

CLINICAL EXPERIENCES:

Pharmacist of Motahhari, Namazi, Imam Reza Pharmacies, Shiraz

University of Medical Sciences, Shiraz, Iran (**2005-present**)

Pharmacist of Montazery Pharmacy, Isfahan University of Medical Sciences,
Isfahan, Iran (**1998-2005**)

Areas of interest:

- **Drug delivery and targeting, Formulation development and quality control**
 - Nanoscience technology
 - Vesicular systems (Liposome/niosome technology)
 - Dermal and transdermal delivery
 - Solid/semisolid/liquid dosage forms
 - Parenterals (SVPs)
 - Peptide/protein formulation
 - Multiparticulate dosage form
 - Solubilization techniques
 - Formulation & Standardization of herbal medicines

ACTIVITIES IN R&D consultancy (2007-2013 and 2015-2019) :

Formulation development and troubleshooting for

Exir Pharmaceutical Co. Boroujerd, Iran.

1. **Orlistat** capsule 120 mg
2. **Indomethacin** capsule
3. **Vitamin C** effervescent Tablet
4. **Calcium forte** effervescent tablet
5. **Captopril** 50 and 25 tablet
6. **Ciprofloxacin** 750 tablet (for export)
7. **Atorvastatine** tablet
8. **Co-amoxiclav** tablet
9. **Mepivacaine** cartridge
10. **Zoledronic acid** inj.
11. **Salbutamol** nebulizer
12. **Prilocaine-Felypressin** cartridge
13. **Lidocaine-Epinephrin (Zylophen)** cartridge
14. **Methyl prednisolon** acetate inj.
15. **Memantine** tablet
16. **Fexofenadine** 120 and 180 mg tablet
17. **Amlodipine-Atorvastatine** tablet
18. **Pentoxifyllin** tablet
19. **Metformin** SR 500 mg tablet
20. **N-Acetylcystein** effervescent tablet
21. **Clarithromycin** tablet
22. **Cefixime** direct compress 400 and 200 mg tablet
23. **Triamcinolon acetonide** ampoule
24. **Divalproex** tablet
25. **N-Acetylcystein** nebulizer
26. **Ciprofloxacin** concentrate (20%) for infusion

R&D consultancy (2013-2015):

Formulation development, Scale-up and production control for
**Sobhan Oncology Pharmaceutical Co. Rasht,
Iran.**

27- Gemcitabine concentrated injectable 200

28- Gemcitabine concentrated injectable 1000 mg/vial

29- Carboplatine injectable solution 150mg/15ml Vial

30- Carboplatine injectable solution 50mg/5ml Vial

31-Oxaliplatine injectable solution 100mg/20ml Vial

32- Oxaliplatine injectable solution 50mg/5ml Vial

33-Cisplatine injectable solution 0.5mg/ml 20 ml

34- Cisplatine injectable solution 50mg/50ml