

Curriculum Vita
Dr. Shohreh Alipour



Academic Position:

March 2011-Present.

Associated Professor, School of pharmacy, Shiraz University of Medical Sciences, Shiraz, Iran,

Email: Alipour_sh@sums.ac.ir

Educational records:

1997-2004 Pharm D, School of pharmacy, Shiraz University of Medical Sciences, Shiraz, Iran.

Pharm D thesis: Formulation of a three layer tablet for treatment of *Helicobacter pylori*

2004-2010 Ph.D of Pharmaceutics, School of pharmacy, Mashhad University of Medical Sciences, Mashhad, Iran.

Ph.D thesis: Formulation, Characterization, *In-vitro* and *In-vivo* Evaluation of Paclitaxel Loaded Microparticles for Pulmonary delivery

Patent:

- **Iran National Patent: 139350140003004067**
- Formulation of supplements for reducing insulin resistance

Book chapters Translation:

Mashhad University of medical science publishes, “Pharmaceutics, the science of dosage form design” (2002), Aulton M.E, Part Five, Pharmaceutical Microbiology, **chapter 39 -Fundamental of microbiology** under supervision of Dr. B. S. Fazly bazaz. 3rd, 4th, 5th edition.

Laboratory and Technical skills:

1. Polymeric drug delivery systems, micro and nanoparticles, proliposomes, liposomes.
2. Laboratory Tableting
3. Natural product formulation
4. Pharmacokinetic including plasma/serum assay.
5. Rat Jugular vein cannulation, rat tail vein sampling
6. Rat pulmonary delivery administration
7. Rat nasal delivery administration
8. Cell Culture technique, cell based assays such as MTT, WST-1 tests.
9. Physiochemical and instrumental analysis including HPLC, TLC, UV-Visible spectroscopy, Cascade impactor, Particle size analyzer, Texture analyzer, FT-IR, DSC, XRD, etc.

Other activities:

- Collaborator, 8th Iranian Congress of Pharmaceutical Sciences, 2002, Iran.
- Collaborator, 1st University open week, 2002, Iran.
- Executive group, 2nd Seminar of Research day, 2001, Shiraz, Iran.
- Referee of 10th Iranian Pharmaceutical Students Seminar, November 2005, Iran.
- Referee of *5th Iranian Controlled Release Conference*, October 2011, Iran.
- Referee of 19th Iranian Pharmaceutical Students Seminar, October 2015, Iran.
- Referee of 14th Iranian Congress of Toxicology, October 2017, Iran.

Publications:

- 1- **Alipour, S.**, Mohagheghzadeh A.A, Treatments for Peptic ulcers related to *Helicobacter pylori*, *Razi Magazine*, 2004, August: 33-37.
- 2- Jahadi Hosseini, H.R. Montaseri, H., Khalili, M.R., **Alipour, S.**, Aqueous concentration of tranexamic acid after 5% and 10% eye drop administration, *Eur J Ophthalmol*, 2009; 19(4): 661 – 666.
- 3- **Alipour S.**, Montaseri H., Tafaghodi M., Preparation and characterization of biodegradable paclitaxel loaded alginate microparticles for pulmonary delivery, *Colloids and surface: B*, 2010, 81(2), 521-529.
- 4- **Alipour, S.**, Akbari, S., Ahmadi, F., Development and in vitro evaluation of fast dissolving oral films of ondansetron hydrochloride, *Trends in Pharmaceutical Science*, 2015, 1(1): 25-30.
- 5- **Alipour S.**, Montaseri H., Tafaghodi M., Inhalable, large porous PLGA microparticles loaded with paclitaxel: preparation, in vitro and in vivo characterization, *Microencapsulation Journal*, 2015, 32 (7), pp. 661-668.
- 6- Akbarzadeh, M., Eftekhari, M.H., Shafa, M., **Alipour, S.**, Hasanzadeh, J., Effects of a new metabolic conditioning supplement on peri-operative metabolic stress and clinical outcomes: A randomized, placebo-controlled trial, *Iranian Red Crescent Journal*, 2016, 18(1).
- 7- **Alipour S.**, Tafaghodi M., Montaseri H., Non-invasive endotracheal delivery of paclitaxel loaded alginate microparticles, *Journal of Chemotherapy*, 2016, 28 (5), pp. 411-416.
- 8- Namavar Jahromi, B., Sadeghi, S., **Alipour, S.**, Parsanezhad, M.E., Moradi Alamdarloo, Sh., Effect of Melatonin on the Outcome of Assisted Reproductive Technique Cycles in Women with Diminished Ovarian Reserve: A Double-Blinded Randomized Clinical Trial, *Iranian Journal of Medical Sciences*, 2017, 42(1), 73-78.
- 9- Parhizkar, E., Emadi, L., **Alipour, S.** □, Development and evaluation of midazolam in situ nasal gel properties in presence of solubility enhancers at cilia-friendly pH, *Macromolecular Research*, 2017, 25(3), 255-61.
- 10- Parhizkar, E., Emadi, L., **Alipour, S.** □, Midazolam Solubility enhancement pre-formulation techniques at nasal physiologic, *International Journal of pharmaceutical science research*, 2017, 8(5), 2315-22.
- 11- **Alipour, S.**, Parhizkar, E., Farrahi, H., Ahmadi, F., Formulation and in vitro evaluation of taste-masked fast disintegrating tablets of prednisolone, *Latin American Journal of Pharmacy*, 2017, 36 (5), 980.
- 12- Ahmadi, F., Rezaee, S., **Alipour, S.**, Formulation and evaluation of an Aloe vera-Licorice combination topical gel: a potential choice for wound healing, *Trends in Pharmaceutical Sciences*, 2017, 3 (2), 105-112.
- 13- Vakilinezhad, M., **Alipour, S.**, Montaseri, H, Development, evaluation and optimization of superparamagnetite nanoparticles preparation by co-precipitation method, *Research in pharmaceutical sciences*, 2017, 12(4), 274-282.

- 14- **Alipour, S.**, Mohammadi, A., Ahmadi, F., Captopril fast disintegrating tablets for children: formulation and quality control by HPLC, *Trends in Pharmaceutical Sciences*, 2017, 3 (3), 161-168.
- 15- Afrooz, H., Ahmadi, F., Fallahzadeh, F., Mousavi-Fard, SH., **Alipour, S.***, Design and characterization of paclitaxel-verapamil co-encapsulated PLGA nanoparticles: Potential system for overcoming P-glycoprotein mediated MDR
Journal of Drug Delivery Science and Technology, 2017, 41, 174-181.
- 16- **Alipour, S.**, Dehshahri, S., Afsari, A., Preparation and Evaluation of a Herbal Mouthwash Containing Oak Husk of *Quercus brantii* and *Zataria multiflora*, *Jundishapur Journal of Natural Pharmaceutical Products*, 2018, 13 (3).
- 17- Vakilinezhad, M., **Alipour, S.**, Montaseri, H., Fabrication and in vitro evaluation of magnetic PLGA nanoparticles as a Methotrexate delivery system, *Journal of Drug Delivery Science and Technology*, 2018, 44, 467-474.
- 18- Parhizkar, E., Rashedinia, M., Karimi, M., **Alipour, S.***, Design and development of vitamin C-encapsulated proliposome with improved *in-vitro* and *ex-vivo* antioxidant efficacy, *Journal of microencapsulation*, 2018, 35 (3), 301-311.
- 19- Hamishehkar, H., Pourtahmaseb, M., Babazadeh, A., **Alipour, S.***, Physicochemical and Aerosolization Assessment of Inhalable Spray Dried Fluconazole Powder: Inhalable fluconazole powder, *Pharmaceutical sciences*, 2018, 24(3), 219-226.
- 20- Keshavarzi, Z., Janghorban, R., **Alipour, S.**, Tahmasebi, S., Jokar, A., The effect of vitamin D and E vaginal suppositories on tamoxifen-induced vaginal atrophy in women with breast cancer, 2019, *Supportive Care in Cancer*, 27(4), 1325-1334.
- 21- Jahromi, N., B., Rahmani, E., Zarei, A., Alipour, S., keramati, P., Zolghadri, J., Effect of low-dose aspirin on the development of ovarian hyperstimulation syndrome and outcomes of assisted reproductive techniques in the women with PCOS, a randomized double-blinded clinical trial, 2019, *Taiwanese Journal of Obstetrics and Gynecology*, 58(2), 255-260.
- 22- Hosseini, M.M., **Alipour, S.**, Ashraf; M.A., Omidbakhsh, K., Effect of Potassium Citrate on Prevention of Recurrence and Expulsion of Residual Fragments of Calcium Oxalate renal Stones, *Trends in Pharmaceutical Sciences*, 2019, 5 (4), 191-193.
- 23- **Alipour, S.***, Asef, M., Ahmadi, F., Simple and rapid HPLC method for simultaneous quantification of levodopa and carbidopa in a fast disintegrating tablet formulation, *International Journal of Applied Pharmaceutics*, 2019, 11 (3), 200-205.
- 24- Ahmadi, F., Bahmyari, M., Akbarizadeh, A., **S Alipour, S.***, Doxorubicin-verapamil dual loaded PLGA nanoparticles for overcoming P-glycoprotein mediated resistance in cancer: Effect of verapamil concentration, *Journal of Drug Delivery Science and Technology*, 2019, 53.
- 25- Vakilinezhad, MA., Amini, A., Dara, T., **Alipour, S.***, Methotrexate and Curcumin co-encapsulated PLGA nanoparticles as a potential breast cancer therapeutic system: In vitro and in vivo evaluation, *Colloids and Surfaces B: Biointerfaces*, 2019, 184,

- 26- Eftekhari,MH., Zahedani,MR., **Alipour,S.**, Hassanzadeh, J., , Methyl Donors Supplementation improves body composition and appetite regulatory hormones in overweight and obese adults, *Journal of Gasroenterology and Hepatology*, 2019, 34, 830-830.
- 27- Khalili, A., **Alipour, S.**, Fathalipour,M., Purkhosrow, A., Mashghoolozekr, E., Bayat, G., Nekooeian, A.A., Liposomal and Non-Liposomal Formulations of Vitamin C: Comparison of the Antihypertensive and Vascular Modifying Activity in Renovascular Hypertensive Rats, *Iranian Journal of Medical Sciences*, 2020, 45(1), 41-49.
- 28- **Alipour, S.***, Moazami, V., Ahmadi, F., Physicochemical stability and *in-vitro* efficacy of *Aloe vera* and clobetasol mouthwash, *Journal of Mazandaran University of Medical Sciences* (Accepted).
- 29- Parhizkar, E., Sadeghinia, D., Yaqoubi, S., **Alipour, S.***, Carrier porosity role on Rifampin containing proliposome for pulmonary delivery, *Journal of Pharmaceutical Research* (Under review).
- 30- Parhizkar, E., Mohammadi, Z., **Alipour, S.***, Rapid and low UV wavelength High Performance Liquid Chromatography for levodopa: application to pharmacokinetics study of in rat following intranasal delivery, *Journal of chromatographic sciences*, (Under review).
- 31- Mohammadi samani, S., Masumzadeh, P., Ghasemiyeh, P., **Alipour, S.***, Oxybutynin nanoemulgel for hyperhidrosis: Optimization, characterization and ex vivo skin permeation, *Pharmaceutical Development and Technology* (Under review).

Abstracts:

- 1- **Alipour S.**, Hosseinyar F., Montaseri H., Cultural Evaluation of drug uses in Shiraz. Poster presentation, 7th Iranian Pharmaceutical Students Seminar, 2001, Isfahan, Iran.
(First Place)
- 2- **Alipour S.**, Mohagheghzadeh A.A, Extraction of glycyrrhizin from licorice root. Poster presentation, 2nd seminar of Research day, 2001, Shiraz, Iran.
- 3- Mohagheghzadeh A.A, **Alipour S.**, Bezoars. Memorial congress of Hakim Ismail Jorjani, 2001, Gorgan, Iran.
- 4- **Alipour S.**, Mohagheghzadeh A.A, Montaseri H, Mohammadi S. S., Evaluation of new drug delivery design for treatment of peptic ulcers related to *Helicobacter pylori*. Poster presentation, 9th Iranian Pharmaceutical Students Seminar, 2003, Tabriz, Iran.
- 5- Afifi S, **Alipour S.**, Montaseri H, Formulation and evaluation of alginate microspheres for controlled delivery of methotrexate. Poster presentation, 13th Iranian Pharmaceutical students Seminar, 2008, Tabriz, Iran.
- 6- Ahmadi Z, **Alipour S.**, Montaseri H, Formulation and evaluation of topical cyclosporine on rate and quality of topical ulcer treatment in rabbits. Poster presentation, 13th Iranian Pharmaceutical students Seminar, 2008, Tabriz, Iran.
- 7- Afifi S., Montaseri H., **Alipour S.**, Formulation and optimization of alginate methotrexate microspheres produced by emulsification technique. Poster presentation, 14th Iranian Pharmaceutical Students Seminar, 2009, Ahvaz, Iran.
(2nd Place).
- 8-Afifi S., **Alipour S.**, Montaseri H., Fabrication and in vitro evaluation of alginate-methotrexate microspheres, 14th European congress of Biotechnology, 2009, Barcelona, Spain.
- 9-**Alipour, S.**, Montaseri H., Tafaghodi M., Inhalable highly large porous PLGA microparticles containing paclitaxel: in vitro lung deposition and cell cytotoxicity. *Poster presentation, The 5th Iranian Controlled Release Conference, October 2011, Mashhad, Iran.*
- 10- **Alipour S.**, Mohammadebrahimi S., Ahmadi F., Daneshamouz S. Taste-masked fast disintegrating tablets of prednisolone for oral delivery. *Poster presentation, 13th Iranian Congress of Pharmaceutical Sciences, September 2012, Isfahan, Iran.*

- 11-Ahmadi F., Mehrvarz S., Zargari Samadnejad A., **Alipour S***. Polymeric magnetic nanoparticles for co-administration of paclitaxel and verapamil to cancer cells. *Poster presentation, 13th Iranian Congress of Pharmaceutical Sciences*, September 2012, Isfahan, Iran
- 12-Valikinezhad, M., Montaseri, H., **Alipour, S.** , Preparation, characterization and cytotoxicity of methotrexate-loaded PLGA super-paramagnetic nanoparticles for theranostics, *Poster presentation, 13th Iranian Congress of Pharmaceutical Sciences*, September 2012, Isfahan, Iran
- 13- Ahmadi F., **Alipour S.**, Zargari A., Mehrvarz S. Polymeric magnetic nanoparticles for co-administration of paclitaxel and verapamil to cancer cells. Oral presentation, *2nd Annual Symposium of Drug Delivery Systems*, November 2012, Nanjing, China
- 14- Behnam rad, S., Khodami, Z., **Alipour, S. ***, Biodegradable nanoparticles in chemotherapy. Poster presentation, *19th Iranian Pharmaceutical Students Seminar*, October, 2015, Shiraz, Iran.
- 15-Bagheri, S., sobhani, Z., **Alipour, S. ***, Rifampicin loaded chitosan microparticles for pulmonary delivery. Poster presentation, *19th Iranian Pharmaceutical Students Seminar*, October, 2015, Shiraz, Iran.
- 16-Alizadeh, A., Eskandari, M., Farjadian,M., **Alipour, S.***, Rifampin loaded hydrophobic alginate beads, Poster presentation , *20th Iranian Pharmaceutical Students Seminar*, April, 2017, Ahvaz, Iran
- 17-Musavi, M., Parhizkar, E., **Alipour, S*.**, Formulation and in vitro evaluation of linezolid ocular insert, *21th Iranian Pharmaceutical Students Seminar*, Poster presentation, March, 2018, Ahvaz, Iran. (**First Place**)
- 18-Janghorban, R., Keshavarz, Z., **Alipour, S.**, Tahmasebi, S., Jokar, A.,The effect of vitamin D and E vaginal suppositories on tamoxifen-induced vaginal atrophy, Oral presentation, *International Federation of Gynecology and Obstetrics (FIGO) XXII FIGO World Congress*, October 2018, Brazil.
- 19- **Alipour, S.**, Masumzadeh, P., Mohammadi samani, S., Enhanced transdermal permeability of oxybutynin through novel nanoemulgel formulation, *22th Iranian Pharmaceutical Students Seminar*, Poster presentation, November, 2019, Kermanshah, Iran.

Thesis supervised:

- 1- Molood, Vakilinejad, Preparation and characterization of methotrexate-loaded PLGA super-paramagnetic microparticles as local drug delivery system, 2009, **supervisor.**
- 2- Gorjizadeh, Meisam, Evaluation of transamin eye drop permeation in separated bovine cornea in presence of permeability effective compounds, 2011, **supervisor.**
- 3- Akbari, sahar, Development and in vitro evaluation of fast dissolving oral films of ondansetron hydrochloride, 2013, **supervisor.**
- 4- Evaluation of the Effect of Local Formulation of Platelet Extract (PRP) on the Treatment of Linear Incision and Excision in Surgical Rats, 2013, **Advisor.**
- 5- Asef, Mahsa, Formulation, optimization and evaluation of levodopa-c fast disintegrating tablets, 2014, **supervisor.**
- 6- Farahi,Haleh, Formulation, optimization and evaluation prednisolone fast disintegrating tablets, 2014, **supervisor.**
- 7- Mohammadi, Asieh Formulation, optimization and evaluation Captopril fast disintegrating tablets, 2014, **supervisor.**
- 8- Moazami, Vahid, Formulation and evaluation of mouthwash containing clobetasol and aloe for treatment of lichen planus oral lesion, 2014, **supervisor.**
- 9- Rezaee Sarda, Formulation and evaluation of Licorice and Aloe gel for wounds healing, 2014, **supervisor.**
- 10- Mansurian Sheida, Formulation and evaluation of alginate microparticles containing rifampin for pulmonary delivery, 2014, **supervisor.**
- 11- Bagheri sorur, Formulation and evaluation of chitosan microparticles containing rifampin for pulmonary delivery, 2014, **supervisor.**
- 12- Shiruee, Atena Formulation and evaluation of PLGA porous particle containing Fluconazole for pulmonary delivery, 2014, **supervisor.**
- 13- Saatchi, sara, Investigation of Interleukin-12 Gene Expression by Galactosilic Anti-Cell Antibodies, 2014, **supervisor.**

- 14- Kashfi Fatemehsadat, Formulation and evaluation of PLGA porous particle containing rifampin for pulmonary delivery, 2015, **supervisor**.
- 15- Afrooz,H., Formulation and characterization of PLGA nanoparticles as a Delivery System for co-administration of paclitaxel and verapamil into cancer cells, 2015, **supervisor**.
- 16- Piltan, M., Formulation and characterization of PLGA nanoparticles as a Delivery System for co-administration of doxorubicin and verapamil into cancer cells, 2015, **supervisor**.
- 17- Avazzadeh, Sepehr, Evaluation of pharmacokinetic parameters non-invasive endotracheal delivered rifampicin loaded PLGA microparticles. 2015, **supervisor**.
- 18- Azari, Maryam, Formulation and evaluation of thermo sensitive poloxamer gel containing levodopa for nasal delivery. 2015, **supervisor**.
- 19- Akbarzadeh, Marzieh, Comparison of the effect of a combination of glutamine, carnitine, selenium, vitamin C and E supplements before and after coronary artery bypass graft surgery on insulin resistance indexes, lipid peroxidation and surgical outcomes, 2015, Ph.D thesis, **Advisor**.
- 20- Falahzadeh, Farazneh., Formulation and characterization and in vitro cell cytotoxicity of PLGA nanoparticles as a Delivery System for co-administration of paclitaxel and verapamil into cancer cells, 2016, **supervisor**.
- 21- Bahmyahi, M., Formulation and characterization and in vitro cell cytotoxicity of PLGA nanoparticles as a Delivery System for co-administration of Doxorubicin and verapamil into cancer cells, 2016, **supervisor**.
- 22- Gheisarani, Froughsadat, Preparation and evaluation of granules containing amoxicillin, metronidazole and pantoprazole with flotation and controlled release in the stomach, 2016, **supervisor**.
- 23- Karimi Maryam, Preparation and Characterization of Proliposomes Containing Vitamin C for oral administration. 2016, **supervisor**.

- 24- Emadi Leila, Solubility enhancement techniques, formulation and evaluation of mucoadhesive midazolam gel for nasal delivery. 2016, **supervisor**.
- 25- Afsari, Afshin, Preparation & Evaluation of a formulation of herbal mouthwash Containing oak husk of *Quercus brantii* & *Zataria multiflora*, 2016, **supervisor**.
- 26- Poortahmaseb, Maryam, Formulation and characterization of fluconazole spray dried microparticles for pulmonary delivery, 2017, **supervisor**.
- 27- Musavi, Mahboobeh, Formulation and evaluation of linezolid ocular insert, 2017, **supervisor**.
- 28- Fatemeh, Hashemkhani, formulation and evaluation of thermosensitive containing hydrogels containing doxepin in presence of alginate, konjac, CMC and HPMC polymers, 2017, **supervisor**.
- 29- Delaram, sadeghinia, Formulation and evaluation of rifampin loaded proliposomes for pulmonary delivery, 2017, **supervisor**.
- 30- Saba, movafagh, Plasma profile evaluation of midazolam poloxamer thermosensitive nasal gel, 2018, **supervisor**.
- 31- Zahra, Motamed, In vitro evaluation of RGD-functionalized chitosan for fibroblast adhesion, and proliferation and migration in wound healing, 2018, **supervisor**
- 32- Zahra, valijani, Formulation and rheological evaluation of pentoxifylline topical gel, 2018, **supervisor**.
- 33- Zahra, Mohammadi, Pharmacokinetic evaluation of levodopa intranasal thermo-sensitive gel, 2018, **supervisor**.
- 34- Ashkan Mohammad Sadeghi, Synthesis and evaluation of hydrophobic butyl and lauryl acrylate grafted alginate hydrogel as linezolid carrier in ocular insert, 2018, **supervisor**.
- 35- Pedram, Masumzadeh, preparation, evaluation and skin permeation of topical gel containing oxybutynin nanoemulsion, 2019, **supervisor**
- 36- Sara, Kalari, Evaluation of physicochemical properties of the green synthesized selenium nanoparticles by *Spirulina platensis*, 2019, **supervisor**