

## Curriculum Vitae

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male **Gender:**

, 1976<sup>th</sup>June 24 **Date of birth:**

Mashhad, Iran **Place of birth:**

Mashhad, Iran **Residence:**

Married **Marital status:**

2**Number of Children:**

### **Education:**

- Sabbatical (6 months) in University of Utah, USA (2013)
- Research fellowship (6 months) in University of Queensland, Australia (2005)

- Ph.D. in Pharmaceutics from School of Pharmacy, Mashhad University of Medical Sciences (2001-2006)
- Pharm.D. from School of Pharmacy, Tabriz University of Medical Sciences (1994-1999)

### Research interests:

Particulate drug delivery systems including Microspheres and Nanospheres, Liposomes, Solid lipid nanoparticles (lipospheres), Nanobiotechnology, Designing of non-viral vectors, Targeted drug delivery

### Editorial Board Member:

- Iranian Journal of Basic Medical Sciences
- Nanomedicine Journal
- International Journal of Ophthalmic Research

### Publications:

1997, Quantitative analysis of **Malaekheh-Nikouei B.**, 1) Hasanzadeh D., H2-blockers by FT-IR: comparison with HPLC method, Pharmaceutical Sciences (Journal of Tabriz Faculty of Pharmacy), 3, 25-32. (Persian)

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- mice, Iranian Journal of Basic Medical Sciences, 8, 3, 195-201 (English).
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- , Sajadi S. A., Jaafari M. R., 2006, The effect of different **Malaekheh-Nikouei B. 6)** grades of PLGA on characteristics of microspheres encapsulated with cyclosporine A, Current Drug Delivery, 3, 4, 343-349 (English).
- , 2006, Liposomes as novel drug delivery system, Razi, **Malaekheh-Nikouei B. 7)** 211, 59-64 (Persian).
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- , Nassirli H., Davies N. M., 2007, Enhancement of **Malaekheh-Nikouei B. 9)** cyclosporine aqueous solubility using  $\alpha$ - and hydroxypropyl  $\beta$ -cyclodextrin mixtures, Journal of Inclusion Phenomena and Macrocyclic Chemistry, 59 (3-4), 245-250 (English).
- , Jaafari M. R., Sajadi S. A., 2007, Preparation, **Malaekheh-Nikouei B. 10)** characterization and mucoadhesive evaluation of chitosan coated liposomes containing cyclosporine A, Saudi Pharmaceutical Journal, 15, 3-4, 176-182 (English).
- , Abrishami M., Zarei S., 2008, Liposomal formulation of **Malaekheh-Nikouei B.11)** bevasizuamb for intravitreal administration: increased half-life, decreased side **.Persian), (2:4, Iranian Journal of Medical Hypotheses and Ideaseffects,**
- Sajadi S. A., Jaafari M. R., 2008, Preparation, **Malaekheh-Nikouei B., 12)** characterization and mucoadhesive properties of chitosan coated microspheres **34,** encapsulated with cyclosporine A, Drug Development and Industrial Pharmacy, , 492-498 (English).5
- , Jaafari M. R., Sajadi S. A., Samiee A., 2008, The **Malaekheh-Nikouei B. 13)** Enhancement of Immunosuppressive Effects of Cyclosporine A on Human T-Cells Using Fusogenic Liposomes, Colloids and Surfaces B:Biointerfaces, 67, 238-244 (English).
- 14) Abrishami M., Zarei-Ghanavati S., Soroush D., Rouhbakhsh M., Jaafari M., , 2009, Preparation, characterization and in vivo **Malaekheh-Nikouei B.R.,** evaluation of nanoliposomes encapsulated bevacizuamb for Intravitreal administration, Retina, 29, 5, 699-703 (English).
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- 2009, **Malaekheh-Nikouei B.**, 16) Ramezani M., Khoshhamdam M., Dehshahri A., The influence of size, lipid composition and bilayer T<sub>m</sub> on the transfection efficiency of nanolipoplexes, Colloids and Surfaces B: Biointerfaces, 72(1), 1-5 (English).
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- Malaekheh-Nikouei B.** 19) Ramezani M., Khakshoor T., Malaekheh-Nikouei M., -The effect of linear PEI on characteristics and transfection efficiency of PEI- 2010, ased cationic nanoliposomes, Iranian Journal of Basic Medical Sciences, 4,1, (English). 82-88
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, **Malaekheh-Nikouei B**. 35) Hosseinzadeh H., Ramezani M., Tavakoli Anaraki N.,

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53) Gholamzadeh A., Amini S., Mohammadpour A.H., Vahabzadeh M., Fazelifar A.F., , **Malaekheh-Nikouei B.** Fazlinezhad A., Dehghani M., Moohebaty M., Dastani M., Falsoleiman H., 2015, Erythropoietin reduces post-PCI arrhythmias in patients with ST-elevation myocardial infarction, *Journal of Cardiovascular Pharmacology*, 65(6):555-61 (English).

54) Sadeghnia H., Zoljalali N., Hanafi-Bojd M.Y., Nikoofal-Sahlabadi , 2015, Effect of mesoporous silica nanoparticles on cell **Malaekheh-Nikouei B.S.**, Toxicology Mechanisms and Methods, 25, viability and markers of oxidative stress, 6, 433-439 (English).



- , 2016, New **Malaekheh-Nikouei B.** 55) Naji-Tabasi S., Razavi S.M.A., Mohebbi M., studies on basil (*Ocimum bacilicum* L.) seed gum: Part I- Fractionation, physicochemical and surface activity characterization, *Food Hydrocolloids*, 52, 350-358 (English).
- Jahanbakhsh S.P., **Malaekheh-Nikouei B.**, 56) Mahyari S., Mahyari B., Emami S.A., Mohammadpour A.H., Sahebkar A., 2016, Evaluation of the efficacy of a polyherbal *Calendula* and *Rosmarinus officinalis*, *Zingiber officinale* mouthwash containing -extracts in patients with gingivitis: A randomized double-blind placebo-*officinalis* controlled trial. *Complementary Therapies in Clinical Practice* 22, 93-98 (English).
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- 58) Mosallaei N., Mahmoudi A., Ghandehari H., Venkata Kashyap Yellepeddi V.K., , 2016, Solid Lipid Nanoparticles containing **Malaekheh-Nikouei B.** Jaafari M.R., *in vitro*, 7-ethyl-10-hydroxycamptothecin (SN38): Preparation, characterization, *European Journal of Pharmaceutics and Biopharmaceutics*, evaluations, *in vivo* and 140, 42-50 (English).
- 59) Oskuee R.K., Mahmoudi A., Gholami L., Rahmatkhan A., Malaekheh-Nikouei B., 2016, Cationic liposomes modified with polyallylamine as a gene carrier: **Advanced** Preparation, characterization and transfection efficiency evaluation, , (Accepted) (English). **Pharmaceutical Bulletin**
- , 2016, **Malaekheh-Nikouei B.** 60) Oskuee R.K., Ramezanpoor M., Gholami L., Cholesterol improves the transfection efficiency of polyallylamine as a non-viral gene delivery vectors, *Advanced Pharmaceutical Bulletin* (Accepted) (English).
- , 2016, Progress **Malaekheh-Nikouei B.** 61) Rezaee M., Kazemi Oskuee R., Nassirli H., in the development of lipopolyplexes as efficient non-viral gene delivery systems, *Journal of Controlled Release*, 236, 1-14 (English) (Review).
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### Presentations:

Annual Meeting of The Iranian <sup>th</sup>Nanomedicine, The 6 **Malaekheh-Nikouei B.**, 1) Research Association for Vision and Ophthalmology, March 3-4, 2016, Tehran, Iran



(Invited Speaker).

Abrishami M., Abrishami M., Mahmoudi A., Mosallaei N., **Malaekheh-Nikouei B.**, 2) Vikili Ahrari Roodi M., Preparation, Characterization, and In Vivo Evaluation of Solid Lipid Nanoparticles Containing Diclofenac after Intravitreal Administration, 1st International Gazi Pharma Symposium, November 12-15, 2015, Antalya, Turkey.

Oskuee R.K., Doosti F., Preparation, characterization and **Malaekheh Nikouei B.**, 3) transfection efficiency of nanoparticles composed of modified polyallylamine, Miptec2014, 23-25 September 2014, Basel, Switzerland.

Banaee T., Mosallaei N., Farzadnia M., Abedini E., Ashraf **Malaekheh-Nikouei B.**, 4) safety evaluation of nanoliposomal Preparation, characterization and H., formulations containing cyclosporine A, NanoFormulation, 28 May-1 June 2012, Spain.

Ramezani M., Arabi L., Transfection efficiency of **Malaekheh-Nikouei B.**, 5) hydrophobic polyethyleneimine-based cationic nanoliposomes, Nanoscience and Nanotechnology Conference, September 19-23, 2011, Italy.

, Zarei-Ghanavati S., Pourmazar R., Seyedi **Malaekheh-Nikouei B.6)** Microspheres containing triamcinolone acetonide for intravitreal administration: S., preparation, characterization and in vivo evaluation, 5th Iranian Controlled Release Conference, October 4-6, 2011, Mashhad, Iran.

Galactosylated , Ramezani M., and Malaekheh-Nikouei M., **Malaekheh-Nikouei B.7)** liposomes-polyethyleneimine-DNA Nanocomplexes for gene delivery, Nano Thailand 2010, November 18-20, 2010, Thailand.

, Ramezani M., Motaharinia J., and Malaekheh-Nikouei M., **Malaekheh-Nikouei B. 8)** The Cationic Liposome-Polyethyleneimine-DNA Complexes for Gene Delivery: Preparation, Characterization, and Transfection In Vitro, 12th Iranian Pharmaceutical Sciences Conference, August 2-5, 2010, Zanjan, Iran.

, Ramezani M., and Malaekheh-Nikouei M., Preparation, **Malaekheh-Nikouei B. 9)** Characterization and Transfection Efficiency of Galactosylated Nanoliposomes as a Gene Carrier, 2010 Singapore Symposium on Drug Delivery Systems, January 20-24, 2010, Singapore.

, Abrishami M., Zarei-ghanavati S., Soroush D., Majid **Malaekheh-Nikouei B. 10)** Rouhbakhsh M., Jaafari M. R., Preparation, characterization and in vivo evaluation of nanoliposomes encapsulated bevacizumab (Avastin) for intravitreal administration, The Specialized Congress of Nanomedicine, Nanobiotechnology, Nanobiosensors July 14-16, 2009 , Mashhad, Iran. and Nanomaterials,

, Ramezani M., Nazari S., Khakshour T., Preparation, **Malaekheh-Nikouei B. 11)** characterization and transfection efficiency of nanoliposomes modified with

lipopolymers constructed from polyethyleneimine and acrylate derivatives, 4th Iranian Controlled Release Conference, October 6-8, 2009, Zanjan, Iran

, Jaafari M. R., Sajadi S. A., Afshin Samiei, The effect of **Malaekheh-Nikouei B. 12)** phospholipid type and size on immunosuppressive activities of liposomes encapsulated with cyclosporine A, 11th Liposome Research Days Conference, July 2008, Yokohama, Japan.

, Ramezani M., Malaekheh-Nikouei M., Kazemi Oskuee R., **Malaekheh-Nikouei B. 13)** Preparation, characterization and transfection efficiency of nanoliposomes modified with oligoamines as gene carrier, 11th Iranian Pharmaceutical Sciences Conference, Aug 2008, Kerman, Iran.

, Sajadi Tabassi S.A., **Malaekheh-Nikouei B. 14)** Gholamzadeh A., Ashari H., Evaluation of sulphobutylether  $\beta$ -cyclodextrin and hydroxypropyl  $\gamma$ -cyclodextrin complexation on aqueous solubility of fluorometholone, 11th Iranian Pharmaceutical Sciences Conference, Aug 2008, Kerman, Iran.

, **Malaekheh-Nikouei B.15)** Shahsavand S., Mehri S., Moallem S.A., Mosavi S.H., Assessment of cytotoxic and apoptogenic properties of crocin and its nanoliposomes in various cancer cell lines, 11th Iranian Pharmaceutical Sciences Conference, Aug 2008, Kerman, Iran.

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, Jaafari M. R., Sajadi S. A., Preparation, characterization **Malaekheh-Nikouei B. 17)** and mucoadhesive evaluation of chitosan coated liposomes containing cyclosporine A, The Third Iranian Conference of Novel Drug Delivery Systems, June 2007, Tehran, Iran.

, Jaafari M. R., Davies N. M., The effect of **Malaekheh-Nikouei B. 18)** Sajadi S. A., complexation on characteristics of and drug release from PLGA microspheres loaded by cyclosporine-cyclodextrin complex, 33rd Annual Meeting and Exposition of the Controlled Release Society, July 2006, Vienna, Austria.

Sajadi S. A., Jaafari M. R., Preparation and **Malaekheh-Nikouei B., 19)** characterization of chitosan coated microspheres encapsulated with cyclosporine A, 10th Iranian Pharmaceutical Sciences Conference, Aug 2006, Tehran, Iran.

Jaafari M. R., Sajadi S. A., SamieiA., The enhancement of **Malaekheh-Nikouei B., 20)** immunosuppressive effects of cyclosporine A on human T-cells using fusogenic liposomes, 10th Iranian Pharmaceutical Sciences Conference, Aug 2006, Tehran, Iran.

Jaafari M. R., Preparation and **Malaekheh-Nikouei B.**, 21) Sajadi S. A., characterization of biodegradable microspheres encapsulated with Cyclosporine A Pharmaceutical Sciences Fair & Exhibition, June<sup>ST</sup> using different grades of PLGA, 1 2005, Nice, France.

., Formulation of topical liposomes encapsulated *et al* **Malaekheh-Nikouei B.**, 22) with triamcinolone and comparison of their anti-inflammatory effects with available Seminar of Pharmaceutical Sciences, Aug<sup>th</sup> conventional topical ointment in mice, 9 2004, Tabriz, Iran.

Preparation and characterization of biodegradable *et al.*, **Malaekheh-Nikouei B.**, 23) <sup>th</sup> microsphere encapsulated with Cyclosporine A using different grades of PLGA, 9 Seminar of Pharmaceutical Sciences, Aug 2004, Tabriz, Iran.

Comparison of different physicochemical analysis *et al.*, **Malaekheh-Nikouei B.**, 24) Seminar of Pharmaceutical Methodology, Sep 2001, <sup>st</sup> methods of H2-blockers, 1 Mashhad, Iran.

Development of quantitative FT-IR **Malaekheh-Nikouei B.**, 25) Hasanzadeh D., World<sup>rd</sup> analysis of H2-blockers: comparison with the HPLC methodology, Proc. 3 Meeting APV/APGI, April 2000, Berlin, Germany.

#### **Book:**

1) Stuart S., Modern Infrared Spectroscopy, 2002, Tabriz University of Medical Sciences (Translation to Persian).

Hanafi-Bojd M.Y., Aghebati T., Mosallaei N., 2011, **Malaekheh-Nikouei B.**, 2) Nanoparticulate drug delivery systems, Mashhad University of Medical Sciences, (Writing in Persian).