

Dr Maryam Hashemi

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دارید اسکریپت جاوا به نیاز شما دیدن برای .شود می حفاظت spambots توسط ایمیل آدرس
دارید اسکریپت جاوا به نیاز شما دیدن برای .شود می حفاظت spambots توسط ایمیل آدرس

Updated at: 6/28/2016

Educational Background and

Pharm.D Thesis: (1999)

Standardization of Topical Preparations (gel, cream, ointment) from Aloes (Dried latex of Aloe).

Supervisor: Dr Noaman Khalili

Mashhad University of Medical Sciences, School of Pharmacy

PhD Thesis: (2005-2010)

Study of transfection efficiency of nanoparticles of polyethyleneimine (PEI) coated with peptide containing Histidine-Lysine rich sequence as non-viral vectors used in gene therapy.

Supervisor: Dr Mohammad Ramezani

Mashhad University of Medical Sciences, Bu-Ali Research Institute, Biotechnology Center

The project in six month research study: (2009)

The effect of targeting of PAMAM dendrimer with GE-11 and B6 peptides on gene delivery

Supervisor: Dr Manfred Ogris

Pharmacy, Department of Pharmacy, Munich, Ludwig-Maximilians-University of Munich, Germany

Research Interests

Development of polymer based nanoparticles (non-viral vectors) for plasmid

DNA and siRNA transfer

Formulation of drug, allergen and active natural products based nanoparticles and nanofibers.

Stem cell encapsulation, Stem cell therapy

Publications

1. **Hashemi M***, Hafezi Ghahestani Z, Alebooye Langroodi F, Mokhtarzadeh A, Ramezani M, et al. Nanoparticles containing crocetin. *Artif Cells Nanomed Biotechnol.* 2016; 21:1-6 (IF: 2.024).
2. **Hashemi M** Mokhtarzadeh A, Alibakhshi A, Yaghoobi H, et al. PEGylated PLGA nanoparticles as gene carriers. *Expert Opin Biol Ther.* 2016; 16(6):771-85 (IF:3.43).
3. **Maryam Hashemi** Faezeh Moghadam Ariaee, et al. Alkyl crosslinked polypropyleneimine dendrimers as efficient gene delivery vectors. *Iranian Journal of Basic Medical Sciences* (IF: 1.228). In Press.
4. **Maryam Hashemi** Nima Hamzian, et al. In vivo toxicity evaluation of (SPION-PLGA) \pm PEG nanoparticles loaded with Gemcitabine as a therapeutic and diagnostic applications. *Iranian Journal of Pharmaceutical Research* (IF: 1.065). In Press.
5. **Maryam Hashemi** Hamideh Parhiz; Soroush Milanizadeh; Sara Amel Farzad; Khalil Hashemi et al. Gene Delivery Efficiency and Cytotoxicity of Heterocyclic Amine-modified PAMAM and PPI Dendrimers. *Mater Sci Eng C Mater Biol Appl.* 2016; 61:791-800 (IF: 3.42)
6. **Hashemi M***, Alebooye Langroodi, Zohreh Hafezi Ghahestani, Mona Alibolandi, Mahboubeh Ebrahimian, et al. In vivo antitumor activity of doxorubicin encapsulated in PLGA nanoparticles. *Nanomed. J.*, 2016; 3(1): 23-34.
7. **Maryam Hashemi**, Ahad Mokhtarzadeh, Hamideh Parhiz, et al. P53-Derived peptides producing versatile and highly efficient targeted gene delivery carriers into cancer cells. *Expert Opin Drug Deliv.* 2016; 8:1-15 (IF: 5.434).
8. **Hashemi M**, et al. Encapsulation technology in stem cell delivery. *Life Sciences.* 2015; 143: 139-146 (IF: 2.685).
9. **Hashemi M**, et al. PEGylation of Polypropyleneimine Dendrimer to Improve DNA Delivery and Cytotoxicity. *Appl Biochem Biotechnol.* 2015 Sep;

- 177(1):1-17 (IF: 1.606).
- Ramezani M. Single-walled carbon nanotubes **Hashemi M** Mohammadi M, Salmasi Z, .10
 Piperazine-polyethylenimine derivative for targeted siRNA delivery into breast cancer
 cells. Int J Pharm. 2015 May 15; 485(1-2):50-60 (IF: 3.99).
- Hashemi M, Mahdipour E, Parhiz H, Abnous K, Ramezani M. Heterocyclic amine-modified .11
 carriers for transfection of mammalian cells. Eur J Pharm Biopharm. 2015; 96:76-88 (IF:
 3.97).
- Hashemi M, Mokhtarzadeh A, Alibolandi M, Abnous K, Ramezani **Hashemi M** Ayatollahi S, .12
 Delivery systems by grafting pegylated alkylcarboxylate chains to PAMAM dendrimers:
 cytotoxicity and cytotoxicity in cancerous and mesenchymal stem cells. J Biomater Appl. 2015;
 30(5):632-48 (IF: 1.988).
- Ramezani M. Targeted Gene Delivery to MCF-7 Cells **Hashemi M** Mokhtarzadeh A, Parhiz H, .13
 conjugated Polyethylenimine. AAPS PharmSciTech. 2015; 16(5):1025-32. (IF: (IF:1.954).
- Hashemi M, Mokhtarzadeh A, Tabatabai SM, Farzad SA, Shirvan HR, Ramezani M. **Hashemi M** .14
 15; [Safe Gene Carriers by Grafting Alkyl Chains to Generation 5 Polypropyleneimine.](#)
 16(5):1002-12 (IF: 1.954).
- Farzad S, Hashemi M, Sankain M. Down-regulation of Th2 immune responses by sublingual .15
 poly(lactide-co-glycolic) acid (PLGA)-encapsulated allergen in BALB/c mice. Int Immunopharmacol.
 2015; 29(2):672-8 (IF: 2.55).
- Hashemi M. Logical gene carriers designed for overcoming the major extra- **Hashemi M** Parhiz H, .16
 extracellular hurdles in gene delivery, an updated review, Nanomed J, 2015; 2(1): 1-20
- Farzad S, Hashemi M, Hamideh Parhiz, Mohammad Ramezani, Gene Transfer **Maryam Hashemi** .17
 by alkylcarboxylation of Poly(propyleneimine), Nanomed. J., 2013; 1(1): 55-62.
- Hashemi M. Gene Transfer by Co-formulation of Different **Maryam Hashemi** Mazdak Ganjalikhani hakemi, .18
 16(4)2013 Modified Polymers in Erythroleukemic Cell Line K562, Iran J Basic Med Sci,
 Genetic information [Ramezani M](#) , [Farzad SA](#) , [Shier WT](#) , [Hatefi A](#) , [Hashemi M](#) , [Parhiz H](#) .19
[J Biomater Appl](#). transfer with disulfide-linked polyethylenimine-based nonviral vectors,
 polyethylenimine: [Ramezani M](#) , [Amel Farzad S](#) , [Shier WT](#) , [Hatefi A](#) , [Hashemi M](#) , [Parhiz H](#) .20
 13 [Int J Biol Macromol](#). Potent agent with simple components for nucleic acid delivery.
- Hashemi M, Parhiz H, Farzad S, and Ramezani M. Alkylcarboxylate **Hashemi M** Memari F, Amel Farzad S, Parhiz H, .21
 grafted Chitosans as Efficient Gene Vectors with Improved Gene delivery Activity.
 , 2013; 9(6): 717-722 (IF:1.64). [Nanoscience](#)
- Ramezani M., Modified polyethylenimine with histidine-lysine short peptides as gene .22
 carrier, Cancer Gene Ther. 2011 Jan; 18(1):12-9 (IF: 2.945).
- Hashemi M. Immunoglobulin Stability in the , Baranzadeh N., Jaafari M.R., **Hashemi M** Varasteh A.R., .23
 Journal of Basic Medical Sciences, 2008; 11 (1): 55-61 (IF: 0.243) ., Lyophilization Processes
 Varasteh A.R., The assay of effective parameters on Anti-RhD concentration **Hashemi M** .24
 by ultrafiltration system. Iran J Basic Med Sci, 2007; 10(1), 66-74.
- Hashemi M. Purification by an enzyme-linked antiglobulin test: A comparison **Hashemi M**. Sankian M., .25
 study of two methods, Iran J Basic Med Sci, 2004; 7(2): 18-22.
- Hashemi M., Moghadassi Risseh M., Formulation of Anti-Rh (D) immunoglobulin preparation, .26
 Iran J Basic Med Sic, 2004; 7(3):11-16.
- Hashemi M. Effect of plasma lipoprotein on Anti-Rh D purification by ion **Hashemi M**. Varasteh A.R., .27
 chromatography, Journal of Birjand University of Medical Sciences, 2003; 10(3):5-9.
- Hashemi M., Bazaz B.S., The role of ion exchange chromatography in purification and amount of .28
 mouse immunoglobulin preparation, Journal of Birjand University of Medical Sciences,
 2002;9(1):1-4.

., Ghazavi A., Fazly Bazaz B.S., Large scale **Hashemi M** Varasteh A.R., .29

tion of Anti-Rh Immunoglobulin by ion exchange chromatography, Iran J Basic Med Sci, 2001;

4(3):16-21.

Presentations

International **Maryam Hashemi** Farhad Salari, Abdol-Reza Varasteh, Fatemeh Vahedi, .1
Congress on Nanoscience & Nanotechnology (ICNT2015)" 2-3 July 2015, Istanbul, Turkey.

M. Parhiz, A. Hatefi. Modified Polyethylenimine with Histidine-lysine Short Peptides as .2
Gene Carrier. July 4-9,2010. Zurich, Switzerland

., Fazly Bazaz B.S., Stability of AntiD Immunoglobulin prepared by ion **Hashemi M.**, .1
chromatography, 11 international congress of immunology and allergy, Sweden, 2001.

ated stem cells for therapeutic application. International congress on **Hashemi M***, .1
stem cells and regenerative medicine. Mashhad. Iran. May 20-22. 2015.

hammad Ramezani. Effect of PEGylation using an alkyl chain as **Maryam Hashemi***. .2
Efficiency of polypropyleneimine dendrimer. 4th International symposium on Molecular
technology. October 14-16. 2014. Tehran. Iran.

paration and evaluation of transfection efficiency of nanoparticles of **M. Hashemi***, .3

h peptide containing histidine-lysine rich sequence as non viral vectors used in gene therapy, 8th Nanotechnology Iranian students conference, Mashhad, 1-2Dec, 2010.

- .1 purification control on therapeutic immunoglobulins, 1st **Hashemi M.**, Varasteh A.R., Seminar of Methodology in Pharmaceutical Sciences, Mashhad, Iran, 2002.s
- .2 dy of the effect of plasma lipoprotein on Anti-Rh D purification by ion **Hashemi M***, exchange chromatography, 6 Congress of Biochemistry, Tehran, Iran, 2001.
- .3 dardization of topical preparations (gel, cream, ointment) from Aloes **Hashemi M***, (latex of Aloe), 7th Iranian Seminar of Pharmaceutical Sciences, Mashhad, Iran, 2000.

Administrative Responsibilities

Editor of Nanomedicine Journal, Publisher: Mashhad University of Medical Sciences