Curriculum Vitae

Hamid Reza MOGHIMI

Professor of Pharmaceutics and Nanotechnology

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Educational Details

- **Fellowship-Visiting Academic (March 2013- February 2014)**
  Project: Transdermal drug delivery mechanisms
  Place: School of Pharmacy and Medical Sciences, University of South Australia, Adelaide, Australia.
  Supervisor: Professor Michael S Roberts

- **Fellowship-Visiting Academic (January 2002-December 2002)**
  Project: Formulation and characterization of antisense oligodeoxynuclotides-containing cationic immunoliposomes and uptake and cytotoxicity studies on human lymphoma cells.
  Place: Department of Pharmacology, School of Medicine and Dentistry, University of Alberta, Edmonton, Canada.
  Supervisor: Professor Theresa M Allen

- **PhD in Pharmaceutics (January 1992 – July 1995):**
  From: The School of Pharmacy, University of Bradford, Bradford, UK.
  Thesis title: Modeling the intercellular lamellar lipid structure of human stratum corneum for drug permeation studies.
  Supervisors: Professor Brian W Barry and Professor Adrian C Williams

- **Doctor of Pharmacy (PharmD) (October 1984 - October 1989):**
  From: School of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran.
  Average: 18.4 out of 20; the highest in the country among the students graduated in 1989-1990 academic year and was awarded by the Iranian Ministry of Health with an overseas scholarship for PhD studies.
  Thesis title: Studying the effects of vehicle type and thermodynamic activity on percutaneous absorption of nitroglycerin.
  ***Thesis rating*:** Distinguished (honor)- Grade: 20 out of 20.
  Supervisor: Professor Masoud Adrangui

Work Experiences

- **Full-time permanent Job**
  Academic Staff (Nov. 1989-Present): School of Pharmacy, Shahid Beheshti University of Medical Sciences, Tehran, Iran. **Current Rank:** Professor of Pharmaceutics and Nanotechnology.

- **Part-time Industry** (Overlapped with my academic career)
  Managing Director (CEO) (Nov. 2004 – Nov. 2008): Sobhan-Darou Pharmaceutical Company, Tehran, Iran.

- **Temporary Paid Contract (Jul. 2002 - Dec. 2002); During Sabbatical**
  Department of Pharmacology, School of Medicine and Dentistry, University of Alberta, Edmonton, Canada.

Awards and Offers

- First rank for "Outstanding Medical University in Health Technology Achievements" in Iran in "The 25th Razi Research Festival on Medical Sciences", as the Health Technology Director of Shahid Beheshti University of Medical Sciences, January 2021.
- Second rank for "Outstanding Medical University in Health Technology Achievements" in Iran in "The 24th Razi Research Festival on Medical Sciences", as the Health Technology Director of Shahid Beheshti University of Medical Sciences, January 2019.
- Chosen as the "Top Researcher of the Year" by Research Council of Shahid Beheshti University of Medical Sciences, 2015.
- Chosen as the "Top Innovator of the Year" by Research Council of Shahid Beheshti University of Medical Sciences, 2015.
- Chosen as the "Top Researcher of the Year" by Research Council of Shahid Beheshti University of Medical Sciences, 2007.
- A project performed by me and my colleagues entitled "effects of surfactants on performance of mucoadhesive polymers" was chosen as the one of the best research projects planned and performed in the Shahid Beheshti University of Medical Sciences, 2004.
- Chosen as the "Top Researcher of the Year" by Research Council of Shahid Beheshti University of Medical Sciences, 2004.
- Invited by UCSF (School of Medicine) for participation in a transdermal drug delivery project (2001). Unfortunately I could not attend.
- Invited by University of Rhode Island for participation in a transdermal drug delivery project (2001). Unfortunately I could not attend.
- Selected 'Distinguished Academic Member' by Shahid Beheshti University of Medical Sciences, for the academic year of 1996-1997.
- Selected 'Distinguished Scientist' by 'The Hygienic and Cosmetic Magazine', Iran, 1996.
- Invited by School of Pharmacy, University of Bradford (UK) (1995) for fellowship in transdermal drug delivery. I did not attend because I was not able to get permission to leave from Shahid Beheshti University of Medical Sciences (Iran).
- Studentship from Research Funds, University of Bradford, Bradford, England, 1995.
- Selected 'Distinguished Academic Member' by Shahid Beheshti University of Medical Sciences, for the academic year of 1991-1992.
- Selected 'Distinguished Academic Member' by students of School of Pharmacy, Shahid Beheshti University of Medical Sciences, for the academic year of 1990-1991.
- Scholarship for PhD degree, due to acquiring the highest grade amongst all Pharm.D. Graduates in Iran, from the Iranian Ministry of Health and Medical Education, 1991.

Research Interests and Activities

- Transdermal drug delivery
- Permeation through damaged skin (burn and infections)
- Drug permeation enhancement (chemical, iontophoresis, microwave, sonophoresis)
- Responsive drug delivery systems (Laser, LED, etc.)
- Prevention of absorption of toxic chemicals

- Modeling permeation of drugs through biological barriers
- Structure-permeability-relationship
- Gene delivery in cancer
- Application of nanoparticles in drug delivery to microorganisms
- Nanoparticles (liposomes, dendrimers, SLN, metal)
- Lyotropic liquid crystals
- Pharmacokinetic of nanoparticles; extending their duration of action
- Cellular drug uptake (Bacterial, Cancer, etc.)
- Veterinary pharmaceutics
- Cosmetic peptides
- Behavior of nanoparticles in convective flow

Teaching Activities and Experiences

- **Physical pharmacy:** diffusion, release, permeation and solubility phenomena, liquid crystals, thermal analysis and complexation.
- **Drug Delivery Systems (DDS):** controlled-release DDS (concept, design and economical aspects), transdermal DDS, emulsions, and preformulation studies, history of pharmaceutics.
- **Cosmetics:** different skin care products.
- **Biopharmacy:** biological barriers (structure and models), absorption phenomenon (basics, transdermal, oral, nasal, pulmonary and cellular), absorption enhancement and inhibition.
- **Nanomedicine:** liposomes, solid-lipid nanoparticles, microemulsions, dendrimers.
- **Pharmaceutical processing:** mixing, milling, filtration and drying.
- **Industrial pharmacy**
- **History of Pharmacy**

Publications (Patents, Books, Journal Articles)

A. Patents

1. Inventors: Erfan M, Moghimi HR, Haeri A, Jafarzade-Kashi TS and Jafarzade F (Apr. 21, 2015). Poly(cpp-sa) anhydride as a reactive barrier matrix against percutaneous absorption of toxic chemicals. *US Patent.* Patent No.: US 9,011,830 B2. https://patents.google.com/patent/US9011830B2/en
2. Inventors: Moghimi HR, Sahari MA and Hadian Z (Nov. 11, 2014). Preparation of stable nanoliposomal formulations containing bioactive agents. *Iran Patent (In Persian).* Patent No.: 84400.
3. Inventors: Erfan M, Haeri A, Moghimi HR and Jafarzade-Kashi T. S. (Jun. 16, 2014). Reduction of percutaneous absorption of toxic chemicals by Poly(cpp-sa) anhydride. *Iran Patent (In Persian).* Patent No.: 89/A-015515.

B. Books

4. Moghimi HR, Shafizade A and Kamlinejad M (2011). Drug Delivery Systems in Iranian Traditional Pharmacy; types, ingredients, preparation and biopharmaceutical aspects. (In Persian). Traditional Medicine and Materia Medica Research Center, SBMU, Tehran, Iran.

5. Vatanpour H, Mehravi B, Dorkoush F, Moghimi HR, Eliasi M, Mirzaei E, Zeighami M, Gholampour A, Haghjou-Javanmard S, Sankian M, Rostamizadeh K, Khaleghi M, Aminlou M, Badehnoush, Khorasani, Eliasi A (2020). Structure and Policy of Intellectual Property and Innovation in Medical Sciences Universities of Iran. Health Technology Department, Ministry of Health and Medical Education, Tehran, Iran.

6. Vatanpour H, Alizadeh A, Monnazam MR, Moghimi HR, Montaseri H, Hashemi-Aghdam E, Momayezan M, Arabalibaik H, Amiri M, Fakheri R, Giahi L, Nezami N, Haidari H, Saberi A (2018). Rules and Regulations of Medical Technology in Iranian Medical Colleges (In Persian)**.** Aftab Andisheh Publisher, Tehran, Iran.

C. Book Chapters

7. Moghimi HR, Mortazavi SM and Maibach HI (2021). Drug Permeation through Burn Eschar: Possibilities and Improvements. In: "Percutaneous Absorption: Drugs-Cosmetics-Mechanisms-Methods", 5th Edition (Dragicevic N and Maibach HI, Eds). CRS Press Boca Raton. Chapter 62: pp. 929-940.

8. Mortazavi SM, Moghimi HR and Maibach HI (2021). Chemical Modification: An Important and Feasible Method for Improving Dermal and Transdermal Delivery of Peptides and Proteins. In: "Percutaneous Absorption: Drugs-Cosmetics-Mechanisms-Methods", 5th Edition (Dragicevic N and Maibach HI, Eds). CRS Press, Boca Raton. Chapter 34: pp. 459-468.

9. Benson HAE, Moghimi HR, Grice JE and Roberts MS (2021). Influence of Formulation on Topical and Transdermal Drug Delivery. In: "Percutaneous Absorption: Drugs-Cosmetics-Mechanisms-Methods", 5th Edition (Dragicevic N and Maibach HI, Eds). CRS Press Boca Raton. Chapter 17: pp. 245-265.

10. Haeri A, Mehryab F and Moghimi HR (2018). Advanced Therapy in Cancer: Stimuli-Responsive Nanocarriers for on-Demand Drug Delivery. In: "Topics in Anti-Cancer Research" (Atta-ur-Rahman and Khurshid Zaman, Eds). Bentham Science Publishers, Sharja. Vol. 7, Chapter 2: pp. 1-48.

11. Moghimi HR and Alinaghi A (2017). Microwave as a skin permeation enhancement method. In: In: "Percutaneous Penetration Enhancers: Physical Methods in Penetration Enhancement" (Dragicevic N and Maibach HI, Eds), Springer-Verlag, Berlin. Chapter 10: pp. 161-174.

12. Grice JE, Moghimi HR, Ryan E, Zhang Q, Haridass I, Mohammed Y and Roberts MS (2017). Non-formulation parameters that affect penetrant-skin-vehicle interactions and percutaneous absorption. In: "Percutaneous Penetration Enhancers: Drug Penetration Into/Through the Skin, Methodology and General Considerations. (Dragicevic N and Maibach HI, Eds), Springer-Verlag, Berlin. Chapter 4: pp. 45-75.

13. Leite-Silva VR, Grice JE, Mohammed Y, Moghimi HR and Roberts MS (2017). The influence of emollients on dermal and transdermal drug delivery. In: "Percutaneous Penetration Enhancers: Drug Penetration Into/Through the Skin, Methodology and General Considerations" (Dragicevic N and Maibach HI, Eds), Springer-Verlag, Berlin. Chapter 5: pp. 77-93.

14. Mohammed YH, Moghimi HR, Yousef SA, Chandrasekaran NC, Bibi CR, Sukumar SC, Grice JE, Sakran W and Roberts MS (2017). Efficacy, safety and targets in topical and transdermal active and excipient delivery. In: "Percutaneous Penetration Enhancers: Drug Penetration Into/Through the Skin, Methodology and General Considerations" (Dragicevic N and Maibach HI, Eds), Springer-Verlag, Berlin. Chapter 23: pp. 369-391.

15. Kuswahyuning R, Grice JE, Moghimi HR and Roberts MS (2015). Formulation effects in percutaneous absorption. In: "Percutaneous Penetration Enhancers: Chemical Methods in Penetration Enhancement; drug manipulation strategies and vehicle effects" (Dragicevic-Curic N and Maibach HI, Eds), Springer-Verlag, Berlin. pp. 109-134.

16. Moghimi HR, Barry BW and Williams AC (1999). Stratum corneum and barrier performance; a model lamellar structural approach. In: "Percutaneous Absorption" (Bronaugh RL and Maibach HI, Eds), 3rd Edn., Marcel Dekker, Inc., New York, pp. 515-553.

D. Journal Full Articles

17. Najai-Taher R, Jafarzadeh kohneloo A, Eslami Farsani V, Mehdizade Rayeni N, Moghimi HR, Ehsani A and Amani A (2021). A topical gel of tea tree oil nanoemulsion containing adapalene versus adapalene marketed gel in patients with acne vulgaris: a randomized clinical trial. *Arch. Dermatol. Res.* https://doi.org/10.1007/s00403-021-02267-2

18. Tamizi E, Moghimi HR and Jouyban A (2021). An Overview on Veterinary Drug Residues in Food Products and Guidelines for their Production and Use. J. Mazandaran Univ. Med. Sci., **31(196):** 168-188. http://jmums.mazums.ac.ir/article-1-16144-en.html

19. Gorji-Bahri G, Moghimi HR and Hashemi A (2021). RAB5A effect on metastasis of hepatocellular carcinoma cell line via altering the pro-invasive content of exosomes. *Exp. Mol. Pathol.* **DOI:** 10.1016/j.yexmp.2021.104632. https://doi.org/10.1016/j.yexmp.2021.104632

20. Gorji-Bahri G, Moghimi HR and Hashemi A (2020). RAB5A is associated with genes involved in exosome secretion: integration of bioinformatics analysis and experimental validation. *J. Cell. Biochem.* **DOI:** 10.1002/jcb.29871. https://doi.org/10.1002/jcb.29871

21. Gandomkarzadeh M, Mahboubi A and Moghimi HR (2020). Release behavior, mechanical properties, and antibacterial activity of ciprofloxacin-loaded acrylic bone cement: a mechanistic study. *Drug Dev. Ind. Pharm.* **46(8):** 1209-1218. **DOI:** 10.1080/03639045.2020.1788058. https://doi.org/10.1080/03639045.2020.1788058

22. Ghandali E, Hosseini SR, Moghimi HR, Khademi K, Talebian S, Akbarzadeh A and Mortazavi SM (2020). Intrartester reliability of sympathetic skin responses in subjects with primary palmar hyperhidrosis. *J. Bodyw. Mov. Ther.* **24(4):** 57-62. **DOI:** 10.1016/j.jbmt.2020.02.024. https://www.sciencedirect.com/science/article/abs/pii/S1360859220300474

23. Gandomkarzadeh M, Moghimi HR and Mahboubi A. (2020). Evaluation of the effect of ciprofloxacin and vancomycin on mechanical properties of pmma cement; a preliminary study on molecular weight. *Sci. Rep.* **10:** AN 3981. **DOI:** 10.1038/s41598-020-60970-y. https://doi.org/10.1038/s41598-020-60970-y

24. Ezzati N, Roberts MS and Moghimi HR (2020). Measurement of hansen solubility parameters of human stratum corneum. *Iran J. Pharm. Res.* **19(8):** 572-578. **DOI:** 10.22037/ijpr.2019.112435.13755. http://ijpr.sbmu.ac.ir/article_1101228.html

25. Gheisari M, Dadkhafar S, Olamaei E, Moghimi HR, Niknezhad N and Nobari N (2020). The efficacy and safety of topical 5% methimazole versus 4% hydroquinone in the treatment of melasma: a randomized controlled trial. *J. Cosmet. Dermatol.* **19(1):** 167-172. **DOI:** 10.1111/jocd.12987. Epub 2019 May 17. https://doi.org/10.1111/jocd.12987

26. Akbarzadeh A, Sasanpour P and Moghimi HR (2019). LED photo-polymerization, a novel strategy for triggered. *Iran J. Pharm. Res.* **19(1):** 260-270. **DOI:** 10.22037/ijpr.2019.112366.13712. http://ijpr.sbmu.ac.ir/article_1101012.html

27. Mortazavi SM, Kobarfard F, Maibach HI, Moghimi HR (2019). Effect of palmitic acid conjugation on physicochemical properties of peptide kttks: a preformulation study. *J. Cosmet. Sci.* **70(6):** 299-312. https://pubmed.ncbi.nlm.nih.gov/31829923

28. Fatemian T, Moghimi HR and Chowdhury EH (2019). Intracellular delivery of siRNAs targeting AKT and ERBB2 genes enhances chemosensitization of breast cancer cells in a culture and animal model. *Pharmaceutics* **11(9):** AN 458 (15 pages). **DOI:** 10.3390/pharmaceutics11090458. https://doi.org/10.3390/pharmaceutics11090458

29. Moghimi HR, Zohdiaghdam R, Riahialam N and Behrouzkia Z (2019). The assessment of toxicity characteristics of cellular uptake of paramagnetic nanoparticles as a new magnetic resonance imaging contrast agent. *Iran J. Pharm. Res.* **18(4):** 2083-2092. **DOI:** 10.22037/IJPR.2019.1100823. http://ijpr.sbmu.ac.ir/article_1100823.html

30. Serri A, Mahboubi A, Zarghi A and Moghimi HR (2018). PAMAM-dendrimer enhanced antibacterial effect of vancomycin hydrochloride against Gram-negative bacteria. *J. Pharm. Pharm. Sci.* **22(1):** 10-21. **DOI:** 10.18433/jpps29659. https://doi.org/10.18433/jpps29659

31. Gorji-Bahri G, Hashemi A, Moghimi HR (2018). ExomiRs: A novel strategy in cancer diagnosis and therapy. *Curr Gene Ther.* **18(6):** 336-350. **DOI:** 10.2174/1566523218666181017163204. http://dx.doi.org/10.2174/1566523218666181017163204

32. Dorraj G, Dadashzadeh S, Erfan M and Moghimi HR (2018). Controlled SLN Delivery by Thermoresponsive In-situ Forming Erodible Gels; A Whole-body and Organ Imaging Study. *Curr. Drug Deliv.* **15 (4):** 510-519. https://doi.org/10.2174/1567201815666180201093424

33. Abadi PG-S, Shirazi FH, Joshaghani, M and Moghimi, HR (2018). Ag+-promoted zinc oxide [Zn(O):Ag]: A novel structure for safe protection of human skin against UVA radiation. *Toxicol. In Vitro* 50: 318-327. https://doi.org/10.1016/j.tiv.2018.02.016

34. Ghaderi-Shekhi Abadi P, Shirazi FH, Joshaghani M and Moghimi HR (2018). Influence of formulation of ZnO nanoblokes containing metallic ions dopants on their cytotoxicity and protective factors: An in vitro study on human skin cells exposed to UVA radiation. *Toxicol. Report*s **5:** 468-79. https://doi.org/10.1016/j.toxrep.2018.03.001

35. Serri A, Moghimi HR, Mahboubi A and Zarghi A (2017). Stability-indicating HPLC method for determination of vancomycin hydrochloride in the pharmaceutical dosage forms. *Acta Polon. Pharm. - Drug Res.* **74 (1):** 73-79. https://www.ptfarm.pl/wydawnictwa/czasopisma/acta-poloniae-pharmaceutica/110/-/16557

36. Mahmoudi-Abyane M, Alipour D and Moghimi HR (2017). Effect of using different sources of nitrogen on digestibility and nitrogen balance in Mehraban male lambs. *Animal Prod. Res.* **6 (4):** 27-38. In Persian. https://dx.doi.org/10.22124/ar.2018.7628.1219

37. Narenji M, Talaee MR, Moghimi HR (2017). Effect of charge on separation of liposomes upon stagnation. *Irn. J. Pharm. Res.* **16 (2):** 423-31. http://ijpr.sbmu.ac.ir/article_2050.html

38. Narenji M, Talaee MR, Moghimi HR (2017). Effect of bilayer flexibility and medium viscosity on separation of liposomes upon stagnation. *Irn. J. Pharm. Sci.* **13 (1):** 23-34. https://dx.doi.org/10.22034/ijps.2017.26643

39. Shahriari S, Rezaeifard S, Moghimi HR, Khorramizadeh MR, Faghih Z. (2017). Cell membrane and intracellular expression of toll-like receptor 9 (TLR9) in colorectal cancer and breast cancer cell-lines. *Cancer Biomark.* **18 (4):** 375-380. https://content.iospress.com/articles/cancer-biomarkers/cbm160260

40. Sahari MA, Moghimi HR, Hadian Z, Barzegar M, Mohammadi A (2017). Physicochemical properties and antioxidant activity of α-tocopherol loaded nanoliposome's containing DHA and EPA. *Food Chem*. **215:** 157-64. https://doi.org/10.1016/j.foodchem.2016.07.139

41. Hemmati M, Najafi F, Shirkoohi R, Moghimi HR, Zarebkohan A, Kazemi B (2016). Synthesis of a novel PEGDGA-coated hPAMAM complex as an efficient and biocompatible gene delivery vector: an in vitro and in vivo study. *Drug Deliv.* **23(8):** 2956-69. https://doi.org/10.3109/10717544.2015.1132796

42. Narenji M, Talaee MR, Moghimi HR (2016). Investigating the effects of size, charge, viscosity and bilayer flexibility on liposomal delivery under convective flow. *Int. J. Pharm.* **513(1-2):**88-96. https://doi.org/10.1016/j.ijpharm.2016.08.056

43. Holmes AM, Song Z, Moghimi HR and Roberts MS (2016). Relative penetration of zinc oxide and zinc ions into human skin after application of different zinc oxide formulations. *ACS Nano.* **10 (2):** 1810-1819. https://doi.org/10.1021/acsnano.5b04148

44. Zarebkohan A, Kazemi B, Najafi F, Moghimi HR, Hemmati M, Deevband MR, Kazemi B (2016). SRL-coated PAMAM dendrimer nano-carrier for targeted gene delivery to the glioma cells and competitive inhibition by lactoferrin. *Irn. J. Pharm. Res.* **15(4):** 629-640. http://ijpr.sbmu.ac.ir/article_1920.html

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46. Saffari M, Moghimi HR and Dass CR (2016). Barriers to Liposomal Gene Delivery: from Application Site to the Target (Review Article). *Irn. J Pharm Res.* **15 (Special Issue)**: 3-17. http://ijpr.sbmu.ac.ir/article_1859.html

47. Saffari M, Shirazi FH and Moghimi HR (2016). Terpene-loaded liposomes and isopropyl myristate as chemical permeation enhancers toward liposomal gene delivery in lung cancer cells; A comparative study. *Irn. J. Pharm. Res.* **15(3):** 261-267. http://ijpr.sbmu.ac.ir/article_1884.html

48. Moghimi HR, Hosseini-Shirazi F, Oghabian MA, Shafiee Ardestani M and Saffari M (2015). In vitro and in vivo enhancement of antitumoral activity of liposomal antisense oligonucleotides by cineole as a chemical penetration enhancer. *J. Nanomater*. **15:** Article ID 967473, 10 pages. Doi:10.1155/2015/967473. https://doi.org/10.1155/2015/967473

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50. Ghaffari A, Manafi A, Moghimi HR (2015). Clindamycin phosphate absorption from nanoliposomal formulations through third-degree burn eschar. *World J Plastic Surg.* **4(2):**145-152. http://wjps.ir/article-1-176-en.html

51. Zarebkohan A, Najafi F, Moghimi HR, Hemmati M, Deevband MR and Kazemi B (2015). Synthesis and characterization of a PAMAM dendrimer nanocarrier functionalized by SRL peptide for targeted gene delivery to the brain. *Eur. J. Pharm. Sci.* **78(8):**19-30. https://doi.org/10.1016/j.ejps.2015.06.024

52. Ranjbari J, Babaeipour V, Vahidi H, Moghimi HR, Mofid MR, Namvaran MM and Jafari S (2015). Enhanced production of insulin-like growth factor I protein in Escherichia coli by optimization of five key factors. *Irn. J. Pharm. Res.* **14(3):**907-917. http://ijpr.sbmu.ac.ir/article_1685.html

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56. Dorraj G and Moghimi HR (2015). Preparation of SLN-containing thermoresponsive in-situ forming gel as a controlled nanoparticle delivery system and investigating its rheological,

thermal and erosion behavior**.** *Irn. J. Pharm. Res.* **14(2):**347-358. http://ijpr.sbmu.ac.ir/article_1640.html

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63. Alinaghi A, Rouini MR, Johari Daha F and Moghimi HR (2013). Hydrogel-embeded vesicles, as a novel approach for prolonged release and delivery of liposome, in vitro and in vivo. *J. Liposome Res.* **23(3):**235-43. https://doi.org/10.3109/08982104.2013.799179

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65. Zohdiaghdam R, Riyahi-Alam N, Moghimi HR, Haghgoo S, Alinaghi A, Azizian G, Ghanaati H, Gorji E, Rafiei B (2013). Development of a novel lipidic nanoparticle probe using liposomal encapsulated Gd2O3-DEG for molecular MRI. *J. Microencapsul.* **30(7):** 613-623. https://doi.org/10.3109/02652048.2013.770095

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98. Moghimi H (2003). Moving toward application-oriented research system. *Irn. J. Pharm Res.*, **2:** 189-190. http://ijpr.sbmu.ac.ir/article_54.html

99. Mortazavi SA and Moghimi HR (2001). An in vitro efficacy assessment of a formulated sublingual nitroglycerin spray and it's comparison with a similar foreign brand. *Hakim*, **4(2):** 126-134. In Persian. https://www.sid.ir/fa/journal/ViewPaper.aspx?id=16795

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104. Moghimi HR and Adrangui M. (1997). Effects of vehicle on the percutaneous absorption of chemicals. *Hyg. Cosm. J.* **30:** 123-129. In Persian.

105. Moghimi HR, Williams AC and Barry BW (1996). A lamellar matrix model for stratum corneum intercellular lipids. IV. Effects of terpene penetration enhancers on the permeation of 5-fluorouracil and oestradiol through the matrix. *Int. J. Pharm.* **145(1-2):** 49-59. https://doi.org/10.1016/S0378-5173(96)04716-3

106. Moghimi HR, Williams AC and Barry BW (1996). A lamellar matrix model for stratum corneum intercellular lipids. III. Effects of terpene penetration enhancers on the release of 5-fluorouracil and oestradiol from the matrix. *Int. J. Pharm.* **145(1-2):** 37-47. https://doi.org/10.1016/S0378-5173(96)04715-1

107. Moghimi HR, Williams AC and Barry BW (1996). A lamellar matrix model for stratum corneum intercellular lipids. II. Effect of geometry of the stratum corneum on permeation of model drugs 5-fluorouracil and oestradiol. *Int. J. Pharm.* **131(2):** 117-129. https://doi.org/10.1016/0378-5173(95)04307-1

108. Moghimi HR, Williams AC and Barry BW (1996). A lamellar matrix model for stratum corneum intercellular lipids. I. Characterization and comparison with stratum corneum intercellular structure. *Int. J. Pharm.* **131(2):**103-115. https://doi.org/10.1016/0378-5173(95)04306-3

109. Moghimi HR, Williams AC and Barry BW (1994). Modeling the stratum corneum intercellular lipids: thermal analysis and diffusion of oestradiol. *Pharm. Res. Bull. (Univ. Bradford, UK)* **2:**41-44.

110. Moghimi HR, Williams AC and Barry BW (1993). A matrix model for stratum corneum lipids. *Pharm. Res. Bull. (Univ. Bradford, UK)* **1:**65-68.

Conferences

1. Moghimi HR (2021). Liposomal gene delivery. The 3rd IPharms Annual Congress, 17-18 February 2021, Tehran, Iran. **Invited speaker.**
2. Moghimi HR (2020). The 3rd Idea Market on Foods, Drinks and Nutrition. Iran Polytechnique University, February 2020, Tehran, Iran. **President of Medical Sciences Section.**
3. Moghimi HR (2020). Challenges in university-industry collaboration. Academia-Industry Forum. Academy of Medical Sciences of Iran, 3 February 2020, Tehran, Iran. **Keynote speaker.**

4. Moghimi HR (2019). Abu Reyhan Biruni Research Festival. 22 December 2019, Tehran, Iran. **Member of Technology TransferCommittee.**
5. Moghimi HR (2019). Panel discussion on university-industry collaboration. ICHC Irancosmetica, 24-26 December 2019, Tehran, Iran. **Panel member.**
6. Moghimi HR (2019). Cosmetics percutaneous absorption; importance, safety and efficiency. ICHC Irancosmetica, 24-26 December 2019, Tehran, Iran. **Invited lecturer.**
7. Moghimi HR (2019). Skin care school, 13-16 December 2019, Tehran, Iran. **Organizer and member of scientific committee.**
8. Moghimi HR (2019). Role of pharmacists cosmetics presentations. Skin care school, 13-16 December 2019, Tehran, Iran. **Invited lecturer.**
9. Moghimi HR (2019). Skin hydration. Skin care school, 13-16 December 2019, Tehran, Iran. **Invited lecturer.**
10. Moghimi HR (2019). Cosmeceutical compounding. Skin care school, 13-16 December 2019, Tehran, Iran. **Invited lecturer.**
11. Moghimi HR (2019). Role of pharmacists in production, control and dispensing of cosmetics in community pharmacies. 41st Iran National Pharmacists Day Conference, Iranian Pharmacists Association, 26-28 August 2019, Tehran, Iran. **Invited lecturer.**
12. Moghimi HR (2019). Parameters that affect skin permeation and dermatological formulation selection. Pharmaceutical Skin Care Conference, Shahid beheshti Pharmaceutical Sciences Research Center, 9-11 July 2019, Tehran, Iran. **Member of Executive Committee.**
13. Moghimi HR (2019). Parameters that affect skin permeation and dermatological formulation selection. Pharmaceutical Skin Care Conference, Shahid beheshti Pharmaceutical Sciences Research Center, 9-11 July 2019, Tehran, Iran. **Invited lecturer.**
14. Moghimi HR (2019). Application of nanotechnology in cosmetics. Pharmaceutical Skin Care Conference, Shahid beheshti Pharmaceutical Sciences Research Center, 9-11 July 2019, Tehran, Iran. **Invited lecturer.**
15. Moghimi HR (2019). Sunburn, sunscreens and after-suns. Pharmaceutical Skin Care Conference, Shahid beheshti Pharmaceutical Sciences Research Center, 9-11 July 2019, Tehran, Iran. **Invited lecturer.**
16. Moghimi HR (2019). Role of pharmacists in production, control and dispensing of cosmetics. Pharmaceutical Skin Care Conference, Shahid beheshti Pharmaceutical Sciences Research Center, 9-11 July 2019, Tehran, Iran. **Invited lecturer.**
17. Moghimi HR (2019). Novel technologies in health and drug development. The 2nd International Congress on Pharmacy Updates, February 2019, Tehran, Iran. **Keynote speaker and Chair**.
18. Moghimi HR (2019). Moving towards third generation university. The 2nd International Congress on Pharmacy Updates, February 2019, Tehran, Iran. **Keynote speaker and Chair**.
19. Bayat F., Narenji M, Ghaderi P, Moghimi HR (2018). Investigating the effect of particles density on behavior of inorganic nanoparticles under convective flow. 1st International Congress of Chemistry and Nanochemistry; from Research to Technology. 11-12 September 2018, Tehran, Iran. **Oral Presentation.**
20. International Congress of Beauty Industry. 5 November 2018, Tehran, Iran. **Member of Scientific Committee.**
21. Moghimi HR (2018). Transdermal drug delivery. National Iran Pharmacists Day Congress; Role of Pharmacists in Cosmetics Development, Education and Research, Iran Pharmacists Association, 29-31 August 2018, Tehran, Iran. **Keynote speaker.**

22. Moghimi HR (2018). Drug-cosmetics (cosmeceuticals) and role of pharmacists in this area. National Iran Pharmacists Day Congress; Role of Pharmacists in Cosmetics Development, Education and Research, Iran Pharmacists Association, 29-31 August 2018, Tehran, Iran. **Keynote speaker.**
23. Moghimi HR (2018). University-Industry Collaboration. The 3rd National Health Innotech Conference, 5-7 July 2018, Tehran, Iran. **Keynote speaker and member of panel discussion.**
24. Moghimi HR (2018). Challenges in health innovation and technology transfer. The 2nd Congress on Health Innovation and Technology, 12 February 2018, Tehran, Iran. **Keynote speaker and Director.**
25. Moghimi HR (2018). Behavior of nanoparticles in convective flow and its application in nanoparticulate derug delivery system design. The 1st International Congress on Pharmacy Updates, 6-8 February 2018, Tehran, Iran. **Keynote speaker and Chair**.
26. Mortazavi SM, Kobarfard F and Moghimi HR (2018). Synthesis and preformulation studies of KTTKS and Pal-KTTKS as anti-wrinkle peptides. The 1st International Congress on Pharmacy Updates, 6-8 February 2018, Tehran, Iran. **Oral presentation**.
27. Namini N, Mortazavi SM and Moghimi HR (2017). Effect of stabilizer content, phase ratio, buffer type and pH on physicochemical properties of solid lipid nanoparticles (SLN). The 2nd Nanomedicine and Nanosafety Conference, 29-30 November, Tehran, Iran. **Poster presentation.**
28. Najafi-Mosleh S, Mortazavi SM and Moghimi HR (2017). Investigating the effects of applied dose on stability and behavior of topical gels. The 15th Iranian Pharmaceutical Sciences Congress, 17-19 October 2017, Hamedan, Iran. **Poster presentation.**
29. Namini N, Mortazavi SM and Moghimi HR (2017). Influence of buffer, pH and preparation method on physicochemical properties of solid lipid nanoparticles (SLNs). The 15th Iranian Pharmaceutical Sciences Congress, 17-19 October 2017, Hamedan, Iran. **Poster presentation.**
30. Gandomkarzadeh M, Moghimi HR and Mahboubi A (2017). Evaluation and comparison of physicochemical properties of PMMA bone cement containing different amount of vancomycin and studying its release kinetic. The 15th Iranian Pharmaceutical Sciences Congress, 17-19 October 2017, Hamedan, Iran. **Poster presentation.**
31. Salehi N, Mortazavi SM and Moghimi HR (2017). Formulation changes after topical application of creams: a new finding for an ancient system. The 15th Iranian Pharmaceutical Sciences Congress, 17-19 October 2017, Hamedan, Iran. **Poster presentation.**
32. Moghimi HR (2016). Behavior of nanoparticles in convective flow and effects of environmental parameters and physicochemical properties of particles on this phenomenon. The 2nd Iranian Nanomedicine Congress, 27-29 September 2016, Zanjan, Iran. **Keynote speaker.**
33. Moghimi HR (2016). Novel drug delivery systems. The 15nd Annual Congress of Iranian Pharmaceutical Society, 24-26 August 2016, Tehran, Iran. **Keynote speaker.**
34. Moghimi HR (2015). Pharmaceutics in Iran, from the dawn of Persian Civilization till the modern era. 14th Iranian Pharmaceutical Sciences Congress, 21-24 December 2015, Tehran, Iran**. Keynote speaker**.
35. Ghaffari A and Moghimi HR (2015). Investigating the effects of combination of therapeutic ultra sound and nano ultra-deformable liposome on clindamycin phosphate absorption through third-degree burn eschar. 14th Iranian Pharmaceutical Sciences Congress, 21-24 December 2015, Tehran, Iran. **Oral presentation.**
36. Baharvand P, Varshochian R and Moghimi HR (2015). Formulation and characterization of thermoresponsive poloxamer/HPMC *in situ* forming gel for ocular delivery of diclofenac

Sodium. 14th Iranian Pharmaceutical Sciences Congress, 21-24 December 2015, Tehran, Iran. **Poster presentation.**

37. Narenji M, Talaei MR and Moghimi HR (2015). Investigating the behavior of nanoparticles in convective flow; effect of charge. 14th Iranian Pharmaceutical Sciences Congress, 21-24 December 2015, Tehran, Iran. **Oral presentation.**
38. Roberts MS and Moghimi HR (2015). Imaging. Asian Nano Forum Conference International Nano School, 1-3 March 2015, Tehran, Iran. **Invited joint lecture and discussion.**
39. Roberts MS, Zhang Q, Williams DB, Grice JE, Moghimi HR, Abd E, Liu X, Yousef S and Sanchez W (2015). Drug delivery to the human skin – state-of-the-art and future perspective. 4th Galenus Workshop on "Drug Delivery to Human Skin", Saarland University and Helmholtz Institute for Pharmaceutical Research Saarland (HIPS), Saarbrücken, Germany, 25– 27 February 2015. **Oral presentation**.
40. Moghimi HR (2015). Cosmetic Nanoparticles. Asian Nano Forum Conference International Nano School, 1-3 March 2015, Tehran, Iran. **Invited Lecture.**
41. Alinaghi A, Rouini MR, Johari-Daha F and Moghimii HR (2015). Impact of hydrogel-embedded liposomes characteristics on peritoneal retention in mice. Asian Nano Forum Conference, 8-11 March 2015, Kish, Iran. **Poster presentation.**
42. Dorraj G and Moghimi HR (2015). SLN-loaded in-situ forming thermo-responsive poloxamer gel as a novel approach for prolonged nanoparticle delivery; characterization and in-vivo distribution. Asian Nano Forum Conference, 8-11 March 2015, Kish, Iran. **Oral presentation**.
43. Narenji M, Talaei MR and Moghimi HR (2015). Investigating the behavior of nanoparticles in convective flow; the effects of nanoparticle type. Asian Nano Forum Conference, 8-11 March 2015, Kish, Iran. **Poster presentation.**
44. Narenji M, Ghohestani R, Hamidizadeh N, Barikbin B, Khamesipour A, Toossi P and Moghimi HR (2015). Liposomal paromomycin as an effective method for treating cutaneous leishmanisisM. Asian Nano Forum Conference, 8-11 March 2015, Kish, Iran. **Poster presentation.**
45. Moghimi HR (2014). Pharmacists and Pharmaceutical Industry. In: "Scientific Talks in the Field of Pharmacy". Pharmaceutical Sciences Research Center, November 2014, Tehran, Iran. **Keynote speaker.**
46. Zamani Z, Alipour D, Moghimi HR, Mortazavi SA and Saffary M (2014). The effects of encapsulated and free thymol on plasma glucose concentration and rumen protozoal population. The 6th Iranian Congress on Veterinary Sciences, 27-28 September 2014, Tabriz, Iran. **Poster presentation.**
47. Alinaghi A, Moghimi, HR, Johari Daha F and Rouini MR (2014). Characterization of Hydrogel Embedded Liposomes: Influence of Formulation Properties on Peritoneal Retention. 5th FIP Pharmaceutical Sciences World Congress, 13-16 April 2014, Melbourne, Australia. **Poster presentation.**
48. Dorraj G, Moghimi HR (2013). Biodistribution of solid-lipid Nanoparticles (SLN) incorporated into insitu forming system. Personalized Medicine and Individualized Drug Delivery Conference, 11-14 June 2013, Vancouver, Canada. **Poster presentation.**
49. Baharvand P, Varshochian R, Soheilian M, Moghimi HR (2013). Thermosensitive poloxamer/chitosan in-situ forming gel containing diclofenac sodium intended for ocular inflammation treatments. 12th International PAT (Polymers for Advanced Technologies) Conference, 29 September-2 October 2013, Berlin, Germany. **Poster presentation.**
50. Hadian Z, Sahari MA, Moghimi HR, Barzegar M, Abbasi S (2013). Preparation, characterization and optimization of liposomes containing eicosapentaenoic and

docosahexaenoic acids: a methothodology approach. 104th AOCS Annual Meeting and Expo, 28 April-1 May 2013, Montreal, Canada. **Poster presentation.**

51. Alinaghi A, Moghimi HR, Johari-Daha F and Rouini MR (2012). In vivo study of a novel formulation of liposomal hydrogel for prolonged delivery of liposomes. FIP Congress, 3-8 October 2012, Amsterdam, the Netherlands. **Poster presentation.**
52. Riyahi Alam N, Azizian G, Haghgoo S, Zohdiaghdam R, Moghimi HR (2012). Different coating impacts on cell uptake: using Gd-based nanomagnetic particles. World Molecular Imaging Congress, 5-8 September 2012, Dublin, Ireland. **Poster presentation**.
53. Moghimi HR (2012). Pharmaceutics in Iranian traditional medicine. The 13th Iranian Pharmaceutical Sciences Congress, 3-6 September 2012, Isfahan, Iran. **Keynote speaker.**
54. Zohdiaghdam R, Riyahi-Alam N, Moghimi HR, Haghgoo S, Azizian G, Alinaghi A, Ghanaati H, Gorji E, Rafiei B (2012). Development of a new lipidic nanoparticle probe using Gd2O3-DEG encapsulated in liposoms for molecular MRI. Mpatech Nanotech Conference, 2-4 July 2012, Alvor, Prtugal. **Poster presentation.**
55. Zohdiaghdam R, Riyahi-Alam N, Moghimi HR, Haghgoo S, Azizian G, Alinaghi A, Gorji E (2012). Development of paramagnetic liposomes based on gadolinium oxide nanoparticles: in vitro study. World Congress on Medical Physics and Biomedical Engineering. 26-31 May 2012, Beijing, China. **Oral presentation.**
56. Ghaffari A and Moghimi H (2012). Clindamycin phosphate absorption from nano-liposomes through third-degree burn eschar. The 13th Iranian Pharmaceutical Sciences Congress, 3-6 September 2012, Isfahan, Iran. **Poster presentation.**
57. Alinaghi A, Moghimi H, Johari Daha F and Rouini M (2012). Development of a novel in-situ forming liposomal hydrogel to release intact liposomes in mice. The 13th Iranian Pharmaceutical Sciences Congress, 3-6 September 2012, Isfahan, Iran. **Oral presentation.**
58. Dorraj G and Moghimi H (2012). Preparation and characterization of solid lipid nanoparticle (SLN) – containing poloxamer gel. The 13th Iranian Pharmaceutical Sciences Congress 3-6 September 2012, Isfahan, Iran. **Poster presentation.**
59. Ghaffari L, Dorraj G, Aboofazeli R and Moghimi H (2012). Preparation and stability evaluation of urea-loaded solid lipid nanoparticles for topical application. The 13th Iranian Pharmaceutical Sciences Congress, 3-6 September 2012, Isfahan, Iran. **Poster presentation.**
60. Daei Hamed M, Ghaffari A and Moghimi H (2012). The effects of age, gender and anatomical site on the barrier properties of third-degree burn eschar toward hydrophilic and lipophilic drugs. The 13th Iranian Pharmaceutical Sciences Congress, 3-6 September 2012, Isfahan, Iran. **Poster presentation**.
61. Basami B, Ghaffari A and Moghimi H (2012). Effect of hydration methods on hydration level of human third-degree burn eschar. The 13th Iranian Pharmaceutical Sciences Congress, 3-6 September 2012, Isfahan, Iran. **Poster presentation.**
62. Hadian Z, Sahari M, Moghimi H, Barzegar M, Abbasi S and Ghaffari A (2012). Preparation, characterization and optimization of liposomes containing eicosapentaenoic and docosahexaenoic acids; a methothodology approach. The 13th Iranian Pharmaceutical Sciences Congress, 3-6 September 2012, Isfahan, Iran. **Poster presentation.**
63. Moghimi H (2012). Drug penetration through the skin. The 12th Annual Congress of Iranian Society of Dermatology, 9-11 May 2012, Tehran, Iran. **Keynote speaker.**
64. Zohdi Aghdam R, Riyahi Alam N, Moghimi HR, Haghgoo S, Alinaghi A, Azizian G (2011). Introduction of a new MRI contrast agent to enhance detection in liver cancer [in mice]. The 1st National Congress on Bio-Electromagnetism, 30 November-1 December 2011, Qazvin, Iran. **Poster presentation.**

65. Zohdi Aghdam R, Riyahi Alam N, Moghimi HR, Haghgoo S, Vaezzadeh S A., Alinaghi A, Azizian G (2011). Introduction of a new MRI contrast agent to enhance detection. The 1st MEFOMP International Conference of Medical Physics, 2-4 November 2011, Shiraz, Iran. **Poster presentation**.

66. Saffari M, Moghimi HR, Shirazi F (2011). Enhancement of cationic liposome gene delivery by liposomal cineole. The 5th Iranian Controlled Release Conference (ICRC), 4-6 October 2011, Mashhad, Iran**. Oral presentation.**

67. Moghimi HR, Ghaffari A (2011). Enhancement effect of ultrasound on permeation of clindamycin phosphate through third-degree burn eschar. The 5th Iranian Controlled Release Conference (ICRC), 4-6 October 2011, Mashhad, Iran**. Oral presentation.**

68. Movassaghian S, Moghimi HR (2011). Preclinical challenges for characterization of cancer nanoparticles. The 5th Iranian Controlled Release Conference (ICRC), 4-6 October 2011, Mashhad, Iran. **Poster presentation**.

69. Ghaffari A, Moghimi HR (2011). Enhancement effect of iontophoresis on permeation of neutral drug model through third-degree burn eschar. The 5th Iranian Controlled Release Conference (ICRC), 4-6 October 2011, Mashhad, Iran. **Poster presentation**.

70. Moghimi HR (2010). Drug absorption through injured skin. 12th Iranian Pharmaceutical Sciences Congress. 2-5 August 2010, Zanjan, Iran. **Keynote speaker**.

71. Movassaghian S, Shirazi F, Moghimi HR (2010). Improvement of encapsulation of antisense oligonucleotides in lipid vesicles using PAMAM dendrimer. FIP Pharmaceutical Conference. November 14-18, New Orleans, USA. **Poster Presentation.**

72. Ghaffari A, Manafi A and Moghimi HR (2010). Enhancement effect of hydration on permeation of a lipophilic model compound through third-degree burn eschar. 12th Iranian Pharmaceutical Sciences Congress. 2-5 August 2010, Zanjan, Iran. **Oral presentation**.

73. Saffari M, Moghimi HR, Shirazi F (2010). Investigating the enhancement effect of limonene toward liposomal gene delivery. 12th Iranian Pharmaceutical Sciences Congress. 2-5 August 2010, Zanjan, Iran. **Oral presentation**.

74. Varshochian R, Moghimi HR, Kobarfard F and Erfan M (2010). Novel usage of dendrimers in reduction of percutaneous absorption of toxic chemicals. 12th Iranian Pharmaceutical Sciences Congress. 2-5 August 2010, Zanjan, Iran. **Oral presentation**.

75. Saffari M, Moghimi HR, Shirazi F (2010). Enhancement of Liposomal Gene delivery by Isopropyl Myristate asa Bilayer Fluidizer. 3rd Iranian Conference on Application of Nanotechnology in Medicine and Biomedical Sciences. Iran University of Medical Sciences, 23-25 February, Tehran, Iran. **Oral presentation.**

76. Movassaghian S, Shirazi F, Moghimi HR (2010). The use of PAMAM dendrimers in the efficient transfer of genetic material into Lung cancer cells. 3rd Iranian Conference on Application of Nanotechnology in Medicine and Biomedical Sciences. Iran University of Medical Sciences, 23-25 February 2010, Tehran, Iran. **Poster presentation.**

77. Tamaddon AM, Shirazi F-H and Moghimi HR (2008). Endosomal membrane-modeling vesicles simulates nucleic acid release from encapsulating cationic liposomes. 14th International Pharmaceutical Technology Symposium, 6-10 September, Antalya, Turkey. **Poster presentation.**

78. Golkar N, Tamaddon AM, Moghimi HR and Shirazi F (2008). Factorial-design optimization of chromatographic conditions for analysis of antisense drug. The 11th Iranian Pharmaceutical Sciences Conference, 18-21 August, Kerman, Iran. **Poster presentation**.

79. Jamali B, Moghimi HR and Farahmand S (2008). Improving depilatory efficiency of thioglycolate-containing cream by hydration and thermal energy. The 11th Iranian Pharmaceutical Sciences Conference, 18-21 August, Kerman, Iran. **Poster presentation**.

80. Tabandeh H, Moghimi HR and Hafez Aghili M (2008). Formulation and stability control of dimenhydrinate syrup. The 11th Iranian Pharmaceutical Sciences Conference, 18-21 August, Kerman, Iran. **Poster presentation**.

81. Sharif Makhmalzadeh B and Moghimi HR (2008) The enhancement effect of oleic acid on the penetration of lipophilic and hydrophilic drugs across 3rd-degree burn eschar. The 11th Iranian Pharmaceutical Sciences Conference, 18-21 August, Kerman, Iran. **Poster presentation**.

82. Khoshakhlagh P, Golshahi A and Moghimi HR (2008). Effect of polymorphism on physicochemical properties of serteraline hydrochloride tablets. The 11th Iranian Pharmaceutical Sciences Conference, 18-21 August, Kerman, Iran. **Poster Presentation**.

83. Astaneh R, Erfan M and Moghimi HR (Feb. 2-4, 2007). Alternative choice for reduction of hysterectomy in uterine fibroids. Women Malignancies Congress, Cancer Research Center, Shahid Beheshti Medical University, Tehran, Iran.

84. Tamaddon AM, Shirazi F, Malvy C and Moghimi HR (2007). Enhancement of intracellular delivery and antisense efficency of cationic liposome entrapped oligodeoxynucleotide by lipid bilay-destabilizing agents. 3rd Iranian Conference of Novel Drug Delivery Systems, 21-22 June, Tehran, Iran. **Oral prersentation**.

85. Tamaddon AM, Golkar G and Moghimi HR (2007). Mathematical modeling of cellular pharmacokinetic of antisense oligodeoxynucleotide loaded cationic liposomes. 3rd Iranian Conference of Novel Drug Delivery Systems, 21-22 June, Tehran, Iran. **Oral prersentation**.

86. Mortazavi SA, Moghimi HR and Mehravaran N (2007). The influence of various mucoadhesive polymers on invitro performance of the resulting artificial saliva spray. 3rd Iranian Conference of Novel Drug Delivery Systems, 21-22 June, Tehran, Iran. **Poster prersentation**.

87. Nazari P, Abolhassani FS, Haeri A, Rabiei S and Moghimi HR (2007). Dermal and transdermal oligonucleotide delivery. 3rd Iranian Conference of Novel Drug Delivery Systems, 21-22 June, Tehran, Iran**. Poster prersentation**.

88. Astaneh R, Moghimi HR, Erfan M and Mobedi H and (July 22-26, 2006). Formulation of an injectable implant for peptide delivery: effect of polymer molecular weight on release, erosion and morphology behavior. 33rd Annual Meeting of the Controlled Release Society, Vienna, Austria. **Poster presentation.**

89. Tamaddon AM, Shirazi F and Moghimi HR (Aug. 21-24, 2006). Preparation and characterization of antisense oligonucleotide encapsulated in a pH-sensitive Stealth liposome. 10th Iranian Pharmaceutical Sciences Conference, Tehran, Iran. **Oral presentation.**

90. Mehravaran N, Moghimi HR and Mortazavi SA (Aug. 21-24, 2006). Formulation and evaluation of extent of mucoadhesion of a formulated artificial saliva spray. 10th Iranian Pharmaceutical Sciences Conference, Tehran, Iran. **Poster presentation.**

91. Moghimi HR, Erfan M and Haeri A (Aug. 21-24, 2006). Prevention of percutaneous absorption of nicotine by interacting polymers. 10th Iranian Pharmaceutical Sciences Conference, Tehran, Iran. **Poster presentation.**

92. Mortazavi SA and Moghimi HR (Aug. 21-24, 2006). The influence of various pharmaceurical solvents on the adhesieve strength of well-known mucoadhesive polymers. 10th Iranian Pharmaceutical Sciences Conference, Tehran, Iran. **Poster presentation.**

93. Moghimi HR, Erfan M, Haeri A and Alinaghi A (Aug. 21-24, 2006). Studying permeation of nitrofurazone through rat skin. 10th Iranian Pharmaceutical Sciences Conference, Tehran, Iran. **Poster presentation.**

94. Moghimi HR, Alinaghy A and Erfan M (4-6 Sept., 2006). Microwave, a novel percutaneous absorption enhancement method. British Pharmaceutical Conference, Manchester, UK. **Poster presentation.**

95. Moghimi HR, Haeri A and Erfan M (4-6 Sept., 2006). Prevention of percutaneous absorption of nicotine by an interacting polymer. British Pharmaceutical Conference, Manchester, UK. **Poster presentation.**

96. Mehravaran N, Mortazavi SA and Moghimi HR (Dec. 2006). Formulation and evaluation of physicochemical and mucoadhesive properties of artificial saliva containing polymers. The 12th Seminar of Iranian Pharmacy Students, Sari, Iran. **Poster presentation**.

97. Astaneh R, Erfan M, Mobedi H and Moghimi HR, (May 30-June 2, 2005). Preparation of an injectable implant for peptide delivery: effect of polymer molecular weight on its release behavior. 8th Annual Symposium of Canadian Society of Pharmaceutical Sciences, Toronto, Canada. **Poster presentation.**

98. Tamaddon AM, Hoseini Shirazi Fand Moghimi HR (June 20-22, 2005). DODAP liposomal delivery of antisense oligonucleotide to tumor cells. 4th Euregenethy International Conference, Paris, France. **Poster presentation.**

99. Moghimi H, Zarghi A and Noorani N (March 15-18, 2004). Stereoselective permeation of tretinoin and isotretinoin through enhancer-treated rat skin. International Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, Nuremberg, Germany. **Poster presentation.**

100. Mortazavi SA and Moghimi, HR (March 15-18, 2004). Effect of poloxamer 407, SLS and cetyl pyridinium chloride on the in vitro mucosa-adhesion of some cellulose-based polymers. International Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, Nuremberg, Germany. **Poster presentation.**

101. Moghimi H (Aug. 23-26, 2004). Novel molecular and bulk transdermal drug delivery: microneedles, high velocity systems, iontophoresis and sonophoresis. 9th Iranian Seminar of Pharmaceutical Sciences, Tabriz, Iran. **Keynote speaker.**

102. Moghimi H and Hajimehdipour H (Aug. 23-26, 2004). Enhancement of iontophoretic permeation of nitroglycerin (model uncharged drug) through cellulose acetate membrane by charged micelles. 9th Iranian Seminar of Pharmaceutical Sciences, Tabriz, Iran. **Oral presentation.**

103. Tamaddon A. M., Hoseini-Shirazi F., and Moghimi HR (Aug. 23-26, 2004). Optimizing transfection of A549 cell line (lung cancer) antisense oligonucleotide-containing cationic liposomes. 9th Iranian Seminar of Pharmaceutical Sciences, Tabriz, Iran. **Oral presentation.**

104. Tamaddon AM, Moghimi HR, Hoseini-Shirazi F, and Kobarfard F (Aug. 23-26, 2004). Ion pairing-reversed phase HPLC method validation for separation and quantification of an antisense oligonucleotide. 9th Iranian Seminar of Pharmaceutical Sciences, Tabriz, Iran. **Oral presentation.**

105. Farahmand S and Moghimi H (Aug. 23-26, 2004). Novel cosmetic delivery systems. 9th Iranian Seminar of Pharmaceutical Sciences, Tabriz, Iran. **Poster presentation.**

106. Astaneh R, Erfan M, Mobedi H and Moghimi H (Aug. 23-26, 2004). Formulation of an injectable implant for peptide delivery and studying the effect of polymer molecular weight on its release behaviour. 9th Iranian Seminar of Pharmaceutical Sciences, Tabriz, Iran. **Poster presentation.**

107. Moghimi H, Shahmir B and Zarghi A (Sept. 27-29, 2004). Permeation of curcumin (turmeric pigment) through enhncer-treated rat skin. British Pharmaceutical Conference, Manchester, UK. **Poster presentation.**

108. Moghimi H, Shahmir B and Zarghi A (Oct. 4-7, 2004). Enhancement of percutaneous absorption of curcumin (turmeric pigment) by ethanol. 2nd International Congress on Traditional Medicine and Materia Medica, Tehran, Iran. **Oral presentation.**

109. Moghimi H (Feb. 26-27, 2003). Transdermal delivery of peptides, proteins and nucleotides. 1st National Conference on Novel Drug Delivery Systems, Tehran, Iran. **Keynote speaker.**

110. Moghimi H, Vandertol-Vanier H and Allen T. M. (Feb. 26-27, 2003). Delivery of c-myc antisense oligodeoxynucleotide to human B-cell lymphoma via CD19-targeted immunoliposomes. 1st National Conference on Novel Drug Delivery Systems, Tehran, Iran. **Oral presentation.**

111. Mortazavi SA, Moghimi HR and Yaseri M (Feb. 26-27, 2003). An investigation into the effect of various surfactants on the adhesive strength of the mucoadhesive polymer Carbopol 934. 1st National Conference on Novel Drug Delivery Systems, Tehran, Iran. **Poster presentation.**

112. Mortazavi SA, Moghimi HR and Hakimi M (Feb. 26-27, 2003). A study on the effect of some hydroxyl group containing solvents used in pharmaceutical formulations on the adhesive strength of the mucoadhesive polymer sodium carboxymethyl cellulose. 1st National Conference on Novel Drug Delivery Systems, Tehran, Iran. **Poster presentation.**

113. Tamaddon AM, Sharif-Makhmal Zadeh B and Moghimi HR (Sept. 29-Oct. 1, 2003). 1st EUFEPS Conference on Optimizing Drug Delivery and Formulation: New Challenges in Drug Delivery, Versailles, France. **Poster presentation.**

114. Moghimi HR and Shakerinejad A (April 2000). Retardation effects of ß-cyclodextrin and polyethylene glycols on percutaneous absorption of nicotine. 7th International Conference of Perspectives in Percutaneous Penetration, La Grande Motte, France. **Poster presentation.**

115. Moghimi HR (Nov. 2000). Application and mechanism of action of terpenes as skin penetration enhancers. 1st International Congress on Traditional Medicine and Materia Medica, Tehran, Iran. **Keynote speaker.**

116. Sharifi H, Farahvash MJ, Moghimi HR, Akbari H, Darabi M and Kashanian M (Nov. 2000). Study of the effect of an ointment prepared from the essence of Myrtle and Geranium on the symptoms of hemorrhoid and comparing the results with other antihemorhoid ointments available in the market. 1st International Congress on Traditional Medicine and Materia Medica, Tehran, Iran. **Poster presentation.**

117. Moghimi HR, Zarghi A and Shahmir B (Nov. 2000). Studying the percutaneous absorption of curcumin through rat skin. 1st International Congress on Traditional Medicine and Materia Medica, Tehran, Iran. **Poster presentation**.

118. Jesmani F, Moghimi HR and Vahidi H (Nov. 2000). Studying the antifungal activity of Cinnamon aqueous extract and optimization of the extraction method by co-solvents. 1st International Congress on Traditional Medicine and Materia Medica, Tehran, Iran. Poster presentation, **Prize winner poster**.

119. Moghimi HR (Nov. 2000). Formulation of medicinal plants and natural products. 1st International Congress on Traditional Medicine and Materia Medica, Tehran, Iran. **Keynote speaker.**

120. Moghimi HR, Radfar M and Vatanpour H (Sept. 1999). Comparison of permeation of sodium and diethylammonium diclofenac salts through rat skin from different vehicles. 136th British Pharmaceutical Conference, Cardiff, UK. **Poster presentation.**

121. Moghimi HR and Hajimehdipour H (Sept. 1999). Enhancement of iontophoretic percutaneous absorption of uncharged drugs by charged micelles. 136th British Pharmaceutical Conference, Cardiff, UK. **Poster presentation.**

122. Aboofazeli R, Moghimi HR and Naeili R (Dec. 1999). In vitro release studying of an amino acid containing liposomal formulation. 4th International Conference of Liposome Advances, London, UK. **Poster presentation.**

123. Moghimi HR, Manafi A and Ghoraishi SA (Dec. 1999). Comparison of the effects of honey and silver sulfadiazine in the treatment of rat third-degree burn wound. 51st Indian Pharmaceutical Congress, Indore, India. **Poster presentation.**

124. Moghimi HR and Shakerinejad A (Sept. 1998). Retardation effects of β-cyclodextrin and polyethylene glycol 1540 on percutaneous absorption of nitroglycerin. 6th International Conference of Perspectives in Percutaneous Penetration, Leiden, The Netherlands. **Poster presentation.**

125. Moghimi HR, Manafi A and Hashemlou A (Sept. 1998). Effects of water and other enhancers on the permeation of drugs through burn eschar. 6th International Conference of Perspectives in Percutaneous Penetration, Leiden, The Netherlands. **Poster presentation.**

126. Moghimi HR and Shahrabi A (Dec. 1998). Increasing the iontophoretic permeation of drugs through stratum corneum intercellular lipids by chemical enhancers. 50th Indian Pharmaceutical Congress and 17th Asian Congress of Pharmaceutical Sciences, Mumbai, India. **Poster presentation.**

127. Moghimi HR, Williams AC and Barry BW (Aug. 1997). Effects of terpene penetration enhancers on the release of fluorouracil and oestradiol from a model for the stratum corneum lipids. 5th Iranian Conference of Pharmaceutical Sciences, Tehran, Iran. **Oral presentation.**

128. Moghimi HR, Talaii F and Adrangui M (Aug. 1997). Effects of pH on passive and iontophoretic permeation of phenylalanine through cellulose acetate membrane. 5th Iranian Conference of Pharmaceutical Sciences, Tehran, Iran. **Poster presentation.**

129. Adrangui M, Moghimi HR and Fotouhi M (Aug. 1997). Effects of diffusion cell dimensions on the medicament release from semisolid bases. 5th Iranian Conference of Pharmaceutical Sciences, Tehran, Iran. **Poster presentation.**

130. Moghimi HR, Bagherpour F and Adrangui M (Aug. 1997). Effects of vehicles on the percutaneous absorption of indomethacin. 5th Iranian Conference of Pharmaceutical Sciences, Tehran, Iran. **Poster presentation.**

131. Mortazavi SA and Moghimi HR (Aug. 1997). In-vitro comparison of beta-blocker tablets in the country's [Iranian] drug market. 5th Iranian Conference of Pharmaceutical Sciences, Tehran, Iran. **Poster presentation.**

132. Moghimi HR, Piraee M and Shahrabi A (Aug. 1997). Optimization of iontophoretic absorption of sodium diclofenac through snake skin using chemical enhancers. 5th Iranian Conference of Pharmaceutical Sciences, Tehran, Iran. **Oral presentation.**

133. Moghimi HR, Williams AC and Barry BW (Sept. 1997). Effect of sodium lauryl sulphate and dimethyl sulphoxide on the permeation of 5-fluorouracil through a stratum corneum intercellular model. 134th British Pharmaceutical Conference, Scarborough, UK. **Poster presentation.**

134. Moghimi HR, Williams AC and Barry BW (Sept. 1997). Effects of terpenes on the solubility of 5-fluorouracil in lipid bilayers; correlation with skin penetration enhancement. 134th British Pharmaceutical Conference, Scarborough, UK. **Poster presentation.**

135. Moghimi HR and Adrangui M (Oct. 1997). Effects of vehicles on the percutaneous absorption of chemicals. 3rd International Seminar on Hygienic and Cosmetic Industries, Tehran, Iran. **Oral presentation.**

136. Adrangui M, Moghimi HR and Fotouhi Gavgani M (Nov. 1995). Effects of geometric parameters on the medicament release from semisolid bases. 2nd Iranian Congress of Physiology and Pharmacology, Tehran, Iran. **Poster presentation.**

137. Moghimi HR, Williams AC and Barry BW (Dec. 1994). Effect of 1,8-cineole on 5-fluorouracil and oestradiol release from a model lamellar matrix for stratum corneum intercellular lipids. 2nd Annual Conference of Iranian Pharmacy Postgraduate Students in UK, Manchester, UK. **Oral presentation.**
138. Moghimi HR, Williams AC and Barry BW (Nov. 1994). Effect of 1,8-cineole on 5-fluorouracil release from a model lamellar matrix for stratum corneum intercellular lipids. 9th Annual Conference of American Association of Pharmaceutical Scientists, San Diego, USA. **Poster presentation.**
139. Piraee M, Moghimi HR and Adrangui M (Sept. 1994). Application of iontophoresis in percutaneous absorption of amphoteric compounds. 1st International Student Congress of Medical Sciences, Izmir, Turkey. **Oral presentation.**
140. Barry BW, Moghimi HR and Williams AC (Nov. 1993). Kinetics of 5-fluorouracil release from enhancer-modified matrix model of stratum corneum lipids. 8th Annual Conference of American Association of Pharmaceutical Scientists, Orlando, USA. **Poster presentation.**
141. Moghimi HR, Williams AC and Barry BW (Sept. 1993). A matrix model for stratum corneum lipids and its evaluation in drug release studies. 130th British Pharmaceutical Conference, Reading, UK. **Oral presentation.**
142. Adrangui M and Moghimi HR (Dec. 1989). Effect of vehicles on the percutaneous absorption of nitroglycerin. 1st Iranian Seminar of Industrial Pharmacy, Tehran, Iran. **Oral presentation.**

Some Complementary Courses and Certificates

- Innovations in Medical Sciences Educations. 30 November 2017, Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- Scientific Mentorship. 30 November 2017, Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- How to Establish a Science-Based Company. 13 January 2015, Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- Ethics in Research; Contemporary Issues and Your Responsibilities. 19 September 2013, University of Adelaide, Adelaide, Australia.
- Supervising at UniSA. 3 December 2013, University of South Australia, Adelaide, Australia.
- Operation, Safety and Application of Ultracentrifuge. 15 November 2013, University of South Australia, Adelaide, Australia.
- Multiphoton Fluorescence Lifetime Imaging. 28 November 2013, University of South Australia, Adelaide, Australia.
- Learnonline; Moodle 2.5 Workshop. 6 December 2013, University of South Australia, Adelaide, Australia.
- Professional Certificate in Academic Practice; Research at UniSA. 9 December 2013, University of South Australia, Adelaide, Australia.
- Regression Analysis. 5-6 February 2008, Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- Assessment of Student Performance. 11-12 July 2004, Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- The Care and Use of the Laboratory Mouse. 18 January 2002, University of Alberta, Edmonton, Canada.

- The Care and Use of Animals in Research. 30 January 2002, University of Alberta, Edmonton, Canada.
- Radiation Safety Course. 7-12 February 2002, University of Alberta, Edmonton, Canada.
- Biosafety Course. 3-7 June 2002, University of Alberta, Edmonton, Canada.
- Teaching Methods. 14 May 1999, Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- Curriculum Planning, February 18, 1996, Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- Manuscript Preparation and Publication. 17-19 January 1996, Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- Academic Writing Course. 15-17 June 1992, University of Bradford, Bradford, UK.
- Research Methodology. 15-22 November 1990, Shahid Beheshti University of Medical Sciences, Tehran, Iran.

Other Experiences and Positions

- More than 50 grants at national and international levels including FDA (USA), WHO and one European Pharmaceutical Company.
- Collaboration as reviewer with different international pharmaceutical journals including: *International Journal of Pharmaceutics*, *Journal of Controlled Release* and *Biomaterials* (All from Elsevier).
- Member of National Board of Pharmaceutics, Iran.
- Member of National Board of Nanotechnology, Iran.
- Member of Board of Iranian Society of Pharmaceutical Scientists
- Managing Director of Sobhan-Darou Pharmaceutical Company, Iran (part-time) (2004-2008).
- Head of Pharmaceutical Sciences Research Centre, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2002-2005).
- Technology Affairs Manager, Shahid Beheshti University of Medical Sciences, Tehran, Iran (Since January 2017).
- Formulation consultant to different pharmaceutical companies in Iran.
- Supervision of more than 100 PharmD, MSc and PhD thesis in different fields of pharmaceutics.
- Consultant to "Food and Drug Organization" of Ministry of Health and Medical Education, Iran.

Editorial Board Membership

- Founder and member of Editorial Board, *Irn. J. Pharm. Res.*
- Founder and member of Editorial Board, *Trends Pept. Protein Sci.*
- Member of Editorial Board, *Pharm. Sci.*
- Member of Editorial Board, *Jundishapur J. Nat. Pharm. Prod.*
- Member of Editorial Board, *Irn. J. Pharm. Sci.*
- Member of Editorial Board, *World J. Plastic Surg.*

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