

رزومه

Curriculum Vitae



(۱) مشخصات فردی

نام: رضا

نام خانوادگی: کاظمی اسکویی

جنسیت: مذکر

رشته تحصیلی: بیوتکنولوژی دارویی

گروه آموزشی: زیست فناوری پزشکی

مرتبه علمی: دانشیار

آدرس محل کار: مشهد-بلوار وکیل آباد-پردیس دانشگاه-دانشکده پزشکی

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(۲) تحصیلات دانشگاهی

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(۳) فرصت مطالعاتی در زمینه نانوبیوتکنولوژی، Department of Pharmaceutical Biology-Biotechnology, Pharmacy, Munich Center of Nanoscience (CeNS), Ludwig-Maximilians-University of Munich, Germany (2007)

(۳) تجربیات حرفه ای

(۱) مسئول فنی، داروخانه آموزشی ۲۲ بهمن، ۱۳۷۸ تا کنون

(۲) مشاور بخش تحقیق و توسعه، شرکت داروسازی ثامن، ۱۳۷۹-۱۳۸۱

(۴) تجربیات آموزشی

(۱) استادیار گروه زیست فناوری پزشکی، دانشکده پزشکی، ۱۳۸۷ تا ۱۳۹۳

(۲) دانشیار گروه زیست فناوری پزشکی، دانشکده پزشکی، ۱۳۹۳ تا کنون

(۵) مسئولیت های اجرایی

(۶) مدیر گروه زیست فناوری پزشکی، دانشکده پزشکی، ۱۳۹۲ تا کنون

(۷) رئیس آزمایشگاه جامع تحقیقات دانشگاه علوم پزشکی مشهد، ۱۳۹۱ تا ۱۳۹۴

(۸) مدیر آزمایشگاه مرکزی دانشکده پزشکی، ۱۳۹۰ تا کنون

(۹) مدیر اجرایی مجله Avicenna Journal of Phytomedicine، دانشگاه علوم پزشکی مشهد، از ۱۳۸۹ تا کنون

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- (۱۱) مسئول کمیته پژوهشی گروه علوم و فنون نوین، دانشکده پزشکی، ۱۳۸۷ تا ۱۳۹۲
- (۱۲) مدیر اجرایی مجله علوم پایه پزشکی ایران (Iranian Journal of Basic Medical Sciences)، دانشگاه علوم پزشکی مشهد، از ۱۳۸۳ لغایت ۱۳۸۵

۶) عناوین و امتیازات ویژه

- (۱) پژوهشگر برگزیده دانشگاه در سال ۱۳۹۴
- (۲) رتبه اول آزمون بوردا تخصصی بیوتکنولوژی دارویی دانشکده داروسازی مشهد، ۱۳۸۴

۷) فعالیت های پژوهشی

الف) انتشار مقاله در ژورنال های علمی پژوهشی سطح I: (ISI)

1. Martin Meyer, Alexander Philipp, **Reza Oskuee**, Claudia Schmidt and Ernst Wagner, Breathing life into polycations: functionalization with pH-responsive endosomolytic peptides and polyethylene glycol enables siRNA delivery, *J. Am. Chem. Soc.*; 2008,130 (11), pp 3272 – 3273 (IF=9.023)
2. **R. K. Oskuee**, Ali Dehshahri, Wayne. T. Shier, Mohammad Ramezani, Modified Polyethylenimine: Self Assemble Nanoparticle Forming Polymer for pDNA Delivery, *Iranian Journal of Basic Medical Sciences*, 2008, 11 (1), 33 - 40. (IF=0.343)
3. Malaekheh-Nikouei B., Malaekheh-Nikouei M., **Oskuee R. K.**, Ramezani M., Preparation, characterization and transfection efficiency of nanoliposomes modified with oligoamines as gene carrier, *Nanomedicine*, 2009 Dec;5(4):457-62. (IF=5.44)
4. **Oskuee R. K.**, Dehshahri A., Shier W.T., Ramezani M., Alkylcarboxylate grafting to polyethylenimine: a simple approach to producing a DNA nanocarrier with low toxicity, *J Gene Med.*, 2009 Oct;11(10):921-32. (IF=3.55)
5. Dehshahri A., **Oskuee R. K.**, Shier W. T., Hatefi A., Ramezani M., Gene transfer efficiency of high primary amine content, hydrophobic, alkyl-oligoamine derivatives of polyethylenimine, *Biomaterials*, 2009 Sep;30(25):4187-94. (IF=7.882)
6. **Reza K. Oskuee**, Alexander Philipp, Ali Dehshahri, Ernst Wagner and Mohammad Ramezani, The impact of carboxyalkylation of branched polyethylenimine on effectiveness in small interfering RNA delivery, *J. Gene Med.* 2010 Sep;12(9):729–738. (IF=3.55)
7. **RK Oskuee**, MR Jafari, SA Farzad, M Ramezani, In vitro Leishmanicidal activity of *Calotropis gigantea* and its fractions against *Leishmania major*, *J Med. Plant. Res.*, 2012 6(23):3977-3983.
8. Dehshahri, A., **Oskuee, R.K.**, Shier, W.T., Ramezani, M. β -Galactosylated alkyl-oligoamine derivatives of polyethylenimine enhanced pDNA delivery into hepatic cells with reduced toxicity, *Current Nanoscience*, 2012, 8 (4) , pp. 548-555. (IF=1.879)
9. **Oskuee, R.K.**, Dehshahri, A. Ramezani, M., Plasmid DNA delivery into hepatocytes using a multifunctional nanocarrier based on sugar-conjugated polyethylenimine, *Gene Ther Mol Biol* 2012 Vol 14, 62-71. (IF=0.724).
10. M. Darroudi, M. Sarani, M. Hakimi, **R. K. Oskuee**, A. Khorsand, L. Gholami, Facile synthesis, characterization, and evaluation of neurotoxicity effect of cerium oxide nanoparticles, *Ceram. Int.*, 2013, 39:6917-6921. (IF=2.086)
11. M. Darroudi, Z. Sabouri, **R. K. Oskuee**, A. Khorsand Zak, H. Kargar, M. Hasnul Naim Abd Hamid, Sol-gel synthesis, characterization, and neurotoxicity effect of zinc oxide nanoparticles using gum tragacanth, *Ceram. Int.*, 2013, 39: 9195 – 9199. (2.086)

12. **R. K. Oskuee**, E. Mohtashami, L. Golami, B. Malaekheh-Nikouei, Cationic Liposomes-Polyallylamine-Plasmid Nanocomplexes for Gene Delivery, *J Exp Nanosci*, 2014. 9 (10): 1026-1034 (IF=1.043)
13. M. Darroudi, M. Sarani, **R. K. Oskuee**, A. Khorsand, M. S. Amiri, Nanoceria: Gum mediated synthesis and in vitro viability assay, *Ceram. Int.*, 2014, 40: 2863-2868. (IF=2.086)
14. M. Darroudi, M. Sarani, **R. K. Oskuee**, A. Khorsand Zak, H. A. Hosseini, L. Gholami, Green synthesis and evaluation of metabolic activity of starch mediated nanoceria, *Ceram. Int.*, Jul 2014, 40: 2041-2045. (IF=2.086)
15. M. Darroudi, Z. Sabouri, **R. K. Oskuee**, A. Khorsand Zak, H. Kargar, M. Hasnul Naim Abd Hamid, Green chemistry approach for the synthesis of ZnO nanopowders and their cytotoxic effects, *Ceram. Int.*, 2014, 40: 4827-4831. (IF=2.086).
16. L. Gholami, H. R. Sadeghnia, M. Darroudi, **R. Kazemi Oskuee**, Evaluation of genotoxicity and cytotoxicity induced by different molecular weights of polyethylenimine/DNA nanoparticles, *Turk J Biol* (2014) 38:380-387. (IF=1.216).
17. **Reza Kazemi Oskuee**, Mahmoud Reza Jaafari, Sara Amani, Mohammad Ramezani, Evaluation of leishmanicidal Effect of Euphorbia erythadenia extract by in vitro leishmanicidal assay using Promastigotes of Leishmania major, *Asian Pacific Journal of Tropical Biomedicine*, 2014; 4(Suppl 2): S905-S907.
18. A. Dehshahri, H. Sadeghpour, **R. Kazemi Oskuee**, Z. Sabahi, M. Fadaei, S. Hossaini Alhashemi, E. Mohazabieh, Interleukin-12 plasmid DNA delivery using L-thyroxine-conjugated polyethylenimine nanocarriers, *J Nanopart Res*, 2014, 16:2423 (IF=2.175).
19. M. Darroudi, S. J. Hosseini, **R. K. Oskuee**, H. A. Hosseini, L. Gholami, S. Gerayeli, Food-directed synthesis of cerium oxide nanoparticles and their neurotoxicity effects, *Ceram. Int.*, 2014, 40: 7425-7430. (IF=2.086)
20. Majid Darroudi, Mohammad Hakimi, Elham Goodarzi, **Reza Kazemi Oskuee**, Superparamagnetic iron oxide nanoparticles (SPIONs): Green preparation, characterization and their cytotoxicity effects, *Ceram. Int.*, 2014, 40: 14641–14645. (IF=2.086)
21. Mahmoudi A, **Oskuee RK**, Ramezani M, Malaekheh-Nikoue B, Preparation and in-vitro transfection efficiency evaluation of modified cationic liposome-polyethyleneimine-plasmid nanocomplexes as a novel gene carrier, *Current Drug Delivery*, 2014, 11: 1-7 (IF=2.248).
22. **R. Kazemi Oskuee**, M. R. Jaafari, H. R. Rahimi, M. Lotfi, M. S. Tehranchinia, M. Ramezani, Evaluation of leishmanicidal activity of Euphorbia biossieri and Euphorbia szovitsii by in vitro leishmanicidal assay using promastigote of Leishmania major, *Asian Pacific Journal of Tropical Medicine*, Accepted (IF=0.502).
23. M Mirzaei, H Mirzaei, A Sahebkar, A Bagherian, M Masoud Khoi, H Mirzaei, R Salehi, M R Jaafari, **R K Oskuee**, Phylogenetic Analysis of Selected Menthol-Producing Species Belonging to the Lamiaceae Family, *Nucleosides, Nucleotides and Nucleic Acids*, 2015, 34:9, 650-657.
24. Oskuee, R.K., Dosti, F., Gholami, L., Malaekheh-Nikouei, B., A simple approach for producing highly efficient DNA carriers with reduced toxicity based on modified polyallylamine, *Materials Science and Engineering C*, 2015, 49:290-296.
25. S Ayatollahi, M Hashemi, **R K Oskuee**, Z Salmasi, A Mokhtarzadeh, M Alibolandi, Kh Abnous, M Ramezani, Synthesis of efficient gene delivery systems by grafting pegylated alkylcarboxylate chains to PAMAM dendrimers: Evaluation of transfection efficiency and cytotoxicity in cancerous and mesenchymal stem cells, *J Biomater Appl*. 2015 30(5) 632–648 (IF=2.197).
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27. Seyed Jamal Alavi, Niloofar Khalili, **Reza Kazemi Oskuee**, K.D. Verma, Majid Darroudi, Role of polyethyleneimine (PEI) in synthesis of zinc oxide nanoparticles and their cytotoxicity effects, *Ceramics International*, Volume 41, Issue 8, September 2015, Pages 10222–10226.
28. Saeedeh Askarian, Khalil Abnous, Majid Darroudi, **Reza Kazemi Oskuee**, Mohammad Ramezani, Gene delivery to neuroblastoma cells by poly (L-lysine)-grafted low molecular weight polyethylenimine copolymers, *Biologicals*, 2016 Jul;44(4):212-8 (IF=1.209)
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30. **Reza Kazemi Oskuee**, Azhar Banikamali, Bibi Sedigheh Fazly Bazzaz, Hasan Ali Hosseini and Majid Darroudi, Honey-Based and Ultrasonic-Assisted Synthesis of Silver Nanoparticles and Their Antibacterial Activities, *Journal of Nanoscience and Nanotechnology*, 2016 16, 7989–7993. (IF=1.556)
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34. Saeedeh Askarian, Khalil Abnous, Sara Ayatollahi, Sara Amel Farzad, **Reza Kazemi Oskuee**, Mohammad Ramezani, PAMAM-pullulan conjugates as targeted gene carriers for liver cell, *Carbohydrate Polymers*, 2017, 157, 929-937 (IF=4.129)
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36. **Reza Kazemi Oskuee**, Asma Mahmoudi, Leila Gholami, Alireza Rahmatkhah, Bizhan Malaekheh-Nikouei, Cationic Liposomes Modified with Polyallylamine as a Gene Carrier: Preparation, Characterization and Transfection Efficiency Evaluation, *Advanced pharmaceutical bulletin*, 2017, 6 (4) 515.
37. Maryam Dabbaghi, **Reza Kazemi Oskuee**, Khadijeh Hashemi & Amir Afkhami Goli, Evaluating polyethyleneimine/DNA nanoparticles-mediated damage to cellular organelles using endoplasmic reticulum stress profile, *Artificial Cells, Nanomedicine, and Biotechnology*, 2017
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39. Sara Ayatollahi, Zahra Salmasi, Maryam Hashemi, Saeedeh Askarian, **Reza Kazemi Oskuee**, Khalil Abnous, Mohammad Ramezani, Aptamer-targeted delivery of Bcl-xL shRNA using alkyl modified PAMAM dendrimers into lung cancer cells, *International Journal of Biochemistry and Cell Biology*, 2017 (92) 210–217.
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44. Rezaee M, Gholami L, Gildeh MS, Ramezani M, **Oskuee RK**. Charge reduction: an efficient strategy to reduce toxicity and increase the transfection efficiency of high molecular weight polyethylenimine. *Journal of Pharmaceutical Investigation*. 2018;1-10.
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(ب) انتشار مقاله در ژورنال‌های علمی پژوهشی سطح II: (Index Medicus, Pubmed, Medline)

(ج) انتشار مقاله در ژورنال‌های علمی پژوهشی سطح III: (Scopus, Chemical Abstract, Embase, Biological Abstract)

1. Sadeghi F., **Kazemi Oskuee R.**, Nassirli H., Afrasiabi Garekani H., Effect of granulation process on physicochemical properties of granules and compaction behaviour of hydroxypropyl methylcellulose with different degrees of methoxy/hydroxypropyl substitution, *Pharmaceutical Sciences*, 2009, 15(1), 93- 102.
2. M. Darroudi, Z. Sabouri, **R. K. Oskuee**, H. Kargar, H. A. Hosseini, Neuronal toxicity of biopolymer-template synthesized ZnO nanoparticles, *Nanomedicine Journal*, 2014, 1, 88-93.
3. H. R. Rahimi, **R. Kazemi Oskuee**, Curcumin From Traditional Iranian Medicine to Molecular Medicine, *Razavi International Journal of Medicine*, 2014 May; 2(2): e19982.
4. **Reza Kazemi Oskuee**, Vahideh Zakeri, Leila Gholami, Bizhan Malaekheh-Nikouei, Preparation, characterization and transfection efficiency of nanoparticles composed of alkane-modified polyallylamine, *Nanomedicine Journal*, 2014, 2(2): 111-120
5. Rahimi HR, Jaafari MR, Mohammadpour AH, Abnous K, Ghayour-Mobarhan M, Ramezanzadeh E, F Mousavi, **R K Oskuee**, Curcumin: Reintroduced Therapeutic Agent from Traditional Medicine for Alcoholic Liver Disease. *Asia Pac J Med Toxicol*, 2015;4: 25-30.

(د) انتشار مقاله در ژورنال‌های علمی پژوهشی سطح IV: (سایر سایت‌های تخصصی)

(ه) انتشار مقاله در ژورنال‌های علمی پژوهشی اندکس نشده:

- ۱- عسکریان سعیده، کاظمی اسکویی رضا. انتقال siRNA به سرطان ریه با استفاده از نانوذرات. مجله تازه های بیوتکنولوژی سلولی و مولکولی. ۱۳۹۴؛ ۶ (۲۱): ۹-۲۰
- ۲- مسعود همایونی تبریزی، احمد آسوده، محمد مشرقی، ماهره رضازاده بزاز، مجید درودی، رضا کاظمی اسکویی، بررسی خصوصیات آنتی اکسیدانتی پپتید Brevinin 2R متصل شده به نانو ذره اکسید سریم، مجله علمی دانشگاه علوم پزشکی ایلام، ۱۳۹۴، ۶ (۲۳): ۱۴۲-۱۵۱

(و) ارائه مقاله در کنگره ها یا سمینارهای خارجی:

1. Reza Kazemi Oskuee, Taraneh Mohajeri, Bizhan Malaekheh-Nikouei, Fariba Asghari, Viral vector mimicking and nucleus targeted nanoparticles based on Dexamethasone conjugated Polyethylenimine nano-liposomes: Preparation and evaluation of transfection efficiency, Basel Life Science Week 2016, 19-23 Sep. 2016, Basel, Switzerland.
2. Reza Kazemi Oskuee, Esmat Alinejad-Mofrad, Seyyed Hadi Mousavi, Evaluation of cellular toxicity and genotoxicity effects of poly-L-lysine/pDNA nanoparticles, International Conference on Chemical, Metallurgy and Environmental Engineering, 2015, 3-4 June, Istanbul, Turkey.
3. Reza K. Oskuee, Tahereh Sajedi, Size-mediated cytotoxicity and apoptosis of polyethylenimine/DNA nanoparticles in murine neuroblastoma Neuro2A cells, NanoFormulation 2012, 28 May-1 June 2012, Barcelona, Spain
4. Reza K. Oskuee, A. Dehshahri, M. Ramezani and W. T. Shier, Influence of Charge Reduction and Partial Hydrophobization on Gene Delivery Efficiency of High Molecular Weight Polyethylenimine/DNA Nanoparticles, Nanoscience and Nanotechnology 2011, 19-23 September 2011, Frascati-Rome, Italy
5. Reza K. Oskuee, Ali Dehshahri, W. Thomas Shier, Mohammad Ramezani, Glycoconjugated polycation-based nanoparticulate system for the delivery of DNA, NanoThailand 2010, 18-20 November 2010, Bangkok, Thailand.
6. Reza K. Oskuee, Ali Dehshahri, W. Thomas Shier, Mohammad Ramezani, Synthesis, characterization and transfection efficiency of artificial virus Nanoparticles Based on Modified Polyethylenimines as a Promising non-viral gene Carrier, 2010 Singapore Symposium on Drug Delivery Systems, 20-23 Jun 2010.
7. Dehshari A, Ramezani M, Kazemi-Oskuee R, Shier WT. Nanocarriers based on hydrophobized PEI-oligoamines for plasmid DNA transfer. 9th International Conference on Nanostructured Materials (Nano 2008). Poster Presentation, 1-6 June, 2008, Rio de Janeiro, Brazil.
8. M. Ramezani, A. Dehshari, R. Kazemi Oskuee, W.T. Shier., Alkylated Polyethylenimine as efficient vectors for gene delivery. 3rd NanoBio-Europe Congress, Poster presentation, June 13-15, 2007, Münster, Germany
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