

Curriculum vitae



Mojtaba Shakibaie

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Professor of Pharmaceutical Biotechnology

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Nationality: Persian

Date of birth: The 20th Sep 1981

Marital status: Married

Native Language: Persian

Foreign language: English speaker

I have passed MCHE (A test was prepared by ministry of Science, Research and Technology of Iran for receiving foreign scholarships).

Education:

1995-1999	Diploma, Emam Khomeini High school, Shahr Babak, Kerman, Iran.
1999-2005	Pharm.D. from Kerman University of Medical Science, Kerman Iran.
2005-2007	Pharmacist, Military services, Vali Asr Hospital, Tehran, Iran

2007-2010	Ph.D. student of Pharmaceutical Biotechnology, Tehran University of Medical Sciences, Tehran, Iran.
2011	Department of pharmaceutical biotechnology, Kerman University of medical sciences, Kerman, Iran

Societies Membership

Iranian Society of Pharmacists (2004- present).
Medical Council of Iran (2005- present)

Academic skills:

- Well- developed experiences in working with UV-Visible and biophotometer; Infrared spectrometer; 3800-CP Varian® HPLC; Knauer; conventional PCRs, SDS-PAGE, western blotting.
- Proven ability in using USP, BP, Micromedex, International Pharmaceutical Abstract, GENERUNER, ENDNote and Reference manager softwares.
- Extensive in NCBI, PDB, or other on line medical sites.
- Expert in molecular cloning of bacteria, including primer design, DNA and extraction and purification, electrophoresis, restriction digestion, ligation, protein isolation and purification.
- Expert in animal Cell culture, Immunocytochemistry, Flowcytometry.
- Finally, I am a pharmacist and familiar with pharmaceutical agents, drug interaction, drug precautions, drug pharmacokinetics and pharmacodynamics, biopharmacy, pharmacognosy and related sciences.

Accomplishments & Honours:

2001	Second rank award and appreciation letter for the best mark, 145 (73%), in the 13 th “ <i>Basic Science Achievement Test</i> ”, Kerman University of Medical Sciences.
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- 2005 First rank award and appreciation letter for the best marks, GPA=18.00 (90.00%), Kerman University of Medical Sciences.
- 2005 Award and appreciation letter for being chosen as well-educated student, Kerman University of Medical Sciences.
- 2007 Achieving the second mark in the 19th Ph.D. student entrance exam and being accepted in Tehran University of Medical Sciences.
- 2008 CO-manager of the 11th Iranian Pharmaceutical Sciences congress. Kerman, Iran
- 2008 Manager of the first national congress of Ph.D. students of pharmaceutical biotechnology, Tehran, Iran.
- 2009 First mark, 186 (93%) in the 4rd national board exam for pharmaceutical biotechnologists, Tehran University of Medical Sciences.

Publications:

Farsi publication:

- 1- Forootanfar, H., **Shakibaie, M.**, Zare, B., Ameri, A., Mohammadi-Khorsand, T., (2012). From Genes to Genomes: Concepts and Application to DNA Technology (Translation). Kerman University of Medical Sciences Publisher.
- 2- Faramarzi MA, Forootanfar H, **Shakibaie M** (2010) *Microalgal Biotechnology*. Tehran University of Medical Sciences Publisher, Tehran, Iran.

Book chapter:

- 1- Shahverdi AR, **Shakibaie M**, Nazari P. Basic and practical procedures for microbial synthesis of nanoparticles. In : Rai M, Duran N, editor. *Metal nanoparticles in microbiology*. 1st ed. Springer; 2011. P. 177-197.

Articles:

- 1- Ohadi, M., Forootanfar, H., Dehghanoudeh, G., (...), **Shakibaie, M.**, Adeli-Sardou, M.. Antimicrobial, anti-biofilm, and anti-proliferative activities of lipopeptide biosurfactant produced by *Acinetobacter junii* B6. *Microbial Pathogenesis*. **2020** :138,103806.
- 2- Keyhani, A., Ziaali, N., **Shakibaie, M.**, (...), Sepahvand, M., Mahmoudvand, H. Biogenic selenium nanoparticles target chronic toxoplasmosis with minimal cytotoxicity in a mouse model. **2020**: 69(1), 104-110
- 3- Ameri, A., **Shakibaie, M.**, Pournamdari, M., (...), Doostmohammadi, M., Forootanfar, H. Degradation of diclofenac sodium using UV/biogenic selenium nanoparticles/H₂O₂: Optimization of process parameters. *Journal of Photochemistry and Photobiology A: Chemistry*,**2020**: 392,112382
- 4- Ameri, A., **Shakibaie, M.**, Rahimi, H.-R., (...), Najafi, A., Forootanfar, H. Rapid and Facile Microwave-Assisted Synthesis of Palladium Nanoparticles and Evaluation of Their Antioxidant Properties and Cytotoxic Effects Against Fibroblast-Like (HSkMC) and Human Lung Carcinoma (A549) Cell Lines. *Biological Trace Element Research*,**2020**: 197(1), 132-140
- 5- **Shakibaie, M.**, Forootanfar, H., Jafari, E., (...), Doostmohammadi, M., Rahimi, H.-R. Microwave-assisted synthesized zinc nanoparticles attenuate cisplatin-induced testicular toxicity in mice. *Toxicological and Environmental Chemistry*, **2020**: 1-13.
- 6- Ameri, A., **Shakibaie, M.**, Khoobi, M., (...), Ameri, A., Forootanfar, H. Immobilization of Thermoalkalophilic Lipase from *Bacillus atrophaeus* FSHM2 on Amine-Modified Graphene Oxide Nanostructures: Statistical Optimization and Its Application for Pentyl Valerate Synthesis. *Applied Biochemistry and Biotechnology*, **2020**: 191(2), 579-604.
- 7- Ameri, A., **Shakibaie, M.**, Khoobi, M., (...), Ameri, A., Forootanfar, H. Optimization of immobilization conditions of *Bacillus atrophaeus* FSHM2 lipase on maleic copolymer coated amine-modified graphene oxide nanosheets and its application for valeric acid esterification. *International Journal of Biological Macromolecules*,**2020**: 162, 1790-1806.
- 8- Keyhani, A., **Shakibaie, M.**, Mahmoudvand, H., (...), Shojaee, S., Ziaali, N. Prophylactic activity of biogenic selenium nanoparticles against chronic toxoplasma gondii infection. *Recent Patents on Anti-Infective Drug Discovery*, **2020**: 15(1), 75-84.
- 9- **Shakibaie, M.**, Ezzatkhah, F., Gabal, E., (...), Jahanbakhsh, S., Mahmoudvand, H. Prophylactic effects of biogenic selenium nanoparticles on acute toxoplasmosis: An in vivo study. *Annals of Medicine and Surgery*,**2020**: 54, 85-88.
- 10- Ohadi, M., Forootanfar, H., Dehghanoudeh, G., (...), **Shakibaie, M.**, Najafi, A. Biosynthesis of Gold Nanoparticles Assisted by Lipopeptide Biosurfactant Derived from *Acinetobacter junii* B6 and Evaluation of Its Antibacterial and Cytotoxic Activities. *BioNanoScience*, **2020**: 10(4), 899-908.
- 11- Zihayat, B., **Shakibaie, M.**, Sabouri-Shahrabak, S., (...), Adeli-Sardou, M., Forootanfar, H. Medium optimization for polyhydroxyalkanoate production by

- Pseudomonas pseudoalcaligenes strain Te using D-optimal design. Biocatalysis and Agricultural Biotechnology, **2019**: 18,101001.
- 12- Ameri, A., **Shakibaie, M.**, Soleimani-Kermani, M., Faramarzi, M.A., Forootanfar, H. Overproduction of thermoalkalophilic lipase secreted by *Bacillus atrophaeus* FSHM2 using UV-induced mutagenesis and statistical optimization of medium components. Preparative Biochemistry and Biotechnology, **2019**: 49(2), 184-191.
 - 13- **Shakibaie, M.**, Hajighasemi, E., Adeli-Sardou, M., Doostmohammadi, M., Forootanfar, H. Antimicrobial and anti-biofilm activities of Bi subnitrate and BiNPs produced by *Delftia* sp. SFG against clinical isolates of *Staphylococcus aureus*, *Pseudomonas aeruginosa*, and *Proteus mirabilis*. IET Nanobiotechnology, **2019**: 13(4), 377-381.
 - 14- Salimi, A., Rahimi, H.-R., Forootanfar, H., (...), Ameri, A., **Shakibaie, M.** Toxicity of microwave-assisted biosynthesized zinc nanoparticles in mice: a preliminary study. Artificial Cells, Nanomedicine and Biotechnology, **2019**: 47(1), 1846-1858.
 - 15- Ameri, A., **Shakibaie, M.**, Sahami, Z., Khoobi, M., Forootanfar, H. Statistical optimization of cultural medium composition of thermoalkalophilic lipase produced by a chemically induced mutant strain of *Bacillus atrophaeus* FSHM2. 3 Biotech, **2019**: 9(7),268.
 - 16- **Shakibaie, M.**, Forootanfar, H., Ghaseminejad, A., (...), Jafari, E., Rahimi, H.-R. Ondansetron enhanced diclofenac-induced nephrotoxicity in mice. Journal of Biochemical and Molecular Toxicology, **2019**: 33(9), e22378.
 - 17- Jafari, M., Forootanfar, H., Ameri, A., (...), Zangiabadi, N., **Shakibaie, M.** Antioxidant, cytotoxic and hyperalgesia-suppressing activity of a native Shilajit obtained from Bahr Aseman mountains. Pakistan Journal of Pharmaceutical Sciences, **2019**: 32(5), 2167-2173.
 - 18- Ohadi, M., Dehghannoudeh, G., Forootanfar, H., **Shakibaie, M.**, Rajaei, M. Investigation of the structural, physicochemical properties, and aggregation behavior of lipopeptide biosurfactant produced by *Acinetobacter junii* B6. International Journal of Biological Macromolecules, **2018**: 112, 712-719
 - 19- Jafari, M., Rokhbakhsh-Zamin, F., **Shakibaie, M.**, (...), Rahimi, H.R., Forootanfar, H. Cytotoxic and antibacterial activities of biologically synthesized gold nanoparticles assisted by *Micrococcus yunnanensis* strain J2. Biocatalysis and Agricultural Biotechnology, **2018**: 15, 245-253.
 - 20- **Shakibaie, M.**, Ameri, A., Ghazanfarian, R., (...), Imani, M., Forootanfar, H. Statistical optimization of kojic acid production by a UV-induced mutant strain of *Aspergillus terreus*. Brazilian Journal of Microbiology, **2018**: 49(4), 865-871
 - 21-Banafsheh Douzandeh-Mobarrez, Mehdi Ansari-Dogaheh, Touba Eslaminejad, Maryam Kazemipour, **Mojtaba Shakibaie**. Preparation and Evaluation of the Antibacterial Effect of Magnetic Nanoparticles Containing Gentamicin: A Preliminary *In vitro* Study. Iranian J Biotech. **2018** October;16(4):e1559. DOI:10.21859/ijb.1559
 - 22- Amir Keyhani, Hossein Mahmoudvand, **Mojtaba Shakibaie**, Amir Tavakoli Kareshk, Jalil Nejati, Seyed Reza Mirbadie, Saeed Sadooghian, Nima Firoozeh, Naser Ziaali. Histopathological and Toxicological Study of Selenium Nanoparticles in BALB/C Mice. Entomology and Applied Science **2018**; 5(1): 31-35
 - 23- Mehdi Ranjbar, Hamid Forootanfar, Abbas Pardakhty, **Mojtaba Shakibaie**, Atefeh Ameri. Controllable synthesis of Ag nanoparticles encapsulated in non-ionic

surfactant-based vesicle for photodegradation of methylene blue. *Journal of Materials Science: Materials in Electronics* **2018**. <https://doi.org/10.1007/s10854-018-9939-6>

- 24- **Mojtaba Shakibaie**, Hamid Forootanfar, Azam Abharian, Atefeh Ameri, Mandana Jafari ,Hamid Reza Rahimi. Cytotoxicity investigations of biogenic tellurium nanorods toward PC12 cell line. *IET Nanobiotechnology* **2018**: DOI: 10.1049/iet-nbt.2018.5137.
- 25- Mandana Jafari, Farrokh Rokhbakhsh-Zamin, **Mojtaba Shakibaie**, Mohammad Hasan Moshafi, Atefeh Ameri, Hamid Reza Rahimi, Hamid Forootanfar. Cytotoxic and antibacterial activities of biologically synthesized gold nanoparticles assisted by *Micrococcus yunnanensis* strain J2. *Biocatalysis and Agricultural Biotechnology* (**2018**) 15, 245-253.
- 26- **Mojtaba Shakibaie**, Atefeh Ameri, Roya Ghazanfarian, Mahboubeh Adeli-Sardou, Sahar Amirpour-Rostami, Masoud Torkzadeh-Mahani, Mehdi Imani, Hamid Forootanfar. Statistical optimization of kojic acid production by a UV-induced mutant strain of *Aspergillus terreus*. *Brazilian Journal of Microbiology*. **2018** <https://doi.org/10.1016/j.bjm.2018.03.009>.
- 27- **Mojtaba Shakibaie**, Hamid Forootanfar, Atefeh Ameri, Mahboubeh Adeli-Sardou, Mandana Jafari, Hamid Reza Rahimi. Cytotoxicity of biologically synthesised bismuth nanoparticles against HT-29 cell line. *IET Nanobiotechnology* **2018** :DOI: 10.1049/iet-nbt.2017.0295.
- 28- **Shakibaie M**, Amiri-Moghadam, P, Ghazanfari, M, (...), Jafari, M, Forootanfar, H. Cytotoxic and antioxidant activity of the biogenic bismuth nanoparticles produced by *Delftia* sp. SFG. *Materials Research Bulletin* (**2018**) 104, pp. 155-163
- 29- Ohadi M., Dehghannoudeh G., Forootanfar H., **Shakibaie M.**, Rajaei M. Investigation of the structural, physicochemical properties, and aggregation behavior of lipopeptide biosurfactant produced by *Acinetobacter junii* B6. *International Journal of Biological Macromolecules* (**2018**)112, pp. 712-719
- 30- Najimi S., **Shakibaie M.**, Jafari E. (...), Yazdanpanah, M., Rahimi, H.R. Acute and subacute toxicities of biogenic tellurium nanorods in mice. *Regulatory Toxicology and Pharmacology* (**2017**) 90, pp. 222-230.
- 31- Ohadi M, Dehghannoudeh G., **Shakibaie M.**, (...), Pournamdar M., Forootanfar H. Isolation, characterization, and optimization of biosurfactant production by an oil-degrading *Acinetobacter junii* B6 isolated from an Iranian oil excavation site. *Biocatalysis and Agricultural Biotechnology* (**2017**) 12, pp. 1-9
- 32- Ohadi M, Forootanfar H, Rahimi HR , Jafari E , **Shakibaie M**, Eslaminejad T, Dehghannoudeh G. Antioxidant potential and wound healing activity of biosurfactant produced by *Acinetobacter junii* B6. *Current Pharmaceutical Biotechnology* (**2017**) :18(11), pp. 900-908.
- 33- **Shakibaie, M.**, Adeli-Sardou, M., Mohammadi-Khorsand, T., (...), Ameri, A., Forootanfar, H. Antimicrobial and antioxidant activity of the biologically

- synthesized tellurium nanorods; A preliminary in vitro study. Iranian Journal of Biotechnology (2017) 15(4),e1580, pp. 268-276.
- 34- Ameri, A., **Shakibaie, M.**, Faramarzi, M.A., (...), Rahimi, H.R., Forootanfar, H. Thermoalkalophilic lipase from an extremely halophilic bacterial strain *Bacillus atrophaeus* FSHM2: Purification, biochemical characterization and application. Biocatalysis and Biotransformation (2017) 35(3), pp. 151-160.
- 35- **Shakibaie, M.**, Mohammadi-Khorsand, T., Adeli-Sardou, M., (...), Ameri, A., Forootanfar, H. Probiotic and antioxidant properties of selenium-enriched *Lactobacillus brevis* LSe isolated from an Iranian traditional dairy product. Journal of Trace Elements in Medicine and Biology (2017) 40, pp. 1-9
- 36- **Shakibaie, M.**, Kheradmand, E., Yazdi, M.H., (...), Mirjani, R., Shahverdi, A.R. The determination of biomass/selenium ratio and the impact of glucose and piperitone upon selenium ion reduction using *Bacillus* sp. MSh-1 whole cells. Nano Biomedicine and Engineering (2017) 9(1), pp. 15-20
- 37 Salari, Z., Ameri, A., Forootanfar, H., (...), Mehrabani, M., **Shakibaie, M.** Microwave-assisted biosynthesis of zinc nanoparticles and their cytotoxic and antioxidant activity. Journal of Trace Elements in Medicine and Biology (2017) 39, pp. 116-123.
- 38 LeiliJalili-Baleh, HamidNadri, Alireza Moradi, Syed Nasir, Abbas Bukhari, **Mojtaba Shakibaie**, Mandana Jafarid, Mostafa Golshani, Farshad Homayouni Moghadame, Loghman Firoozpour, Ali Asadipour, Saeed Emami Mehdi Khoobi, Alireza Foroumadi. New racemic annulated pyrazolo[1,2-b]phthalazines as tacrine-like AChE inhibitors with potential use in Alzheimer's disease. European Journal of Medicinal Chemistry (2017) 139, 280-289.
- 39- Ameri, A., **Shakibaie, M.**, Ameri, A, (...), Amir-Heidari, B., Forootanfar, H. Photocatalytic decolorization of bromothymol blue using biogenic selenium nanoparticles synthesized by terrestrial actinomycete *Streptomyces griseobrunneus* strain FSHH12. Desalination and Water Treatment (2016) 57:(45), 21552-21563
- 40- Hossein Mahmoudvand, Shirzad Fallahi, Hormoz Mahmoudvand, **Mojtaba Shakibaie**, Majid Fasihi Harandi,Ebrahim Saedi Dezaki. Efficacy of *Myrtus communis* L. to Inactivate the Hydatid Cyst Protoscoleces. Journal of Investigative Surgery (2015) DOI: 10.3109/08941939.2015.1088601
- 41- **Mojtaba Shakibaie**, Naser Salari Mohazab, Seyyed Amin Ayatollahi Mousavi, Antifungal Activity of Selenium Nanoparticles Synthesized by *Bacillus species* Msh-1 Against *Aspergillus fumigatus* and *Candida albicans*. Jundishapur J Microbiol. 2015 8(9): 1-4. DOI: 10.5812/jjm.26381.
- 42- Atefeh Ameri, **Mojtaba Shakibaie**, Sahar Amirpour-Rostami, Alieh Ameri, Mahboubeh Adeli-Sardou, Payam Khazaeli, Hamid Rahmani and Hamid Forootanfar. Partial Purification and Characterization of a Thermoalkalophilic

Lipase Originated from *Bacillus atrophaeus* FSHM2 and its Application for Ester Synthesis. Biotechnology **2015;14 (4): 154-164.**

- 43- Hamid Forootanfar, Sahar Amirpour-Rostami, Mandana Jafari, Amir Forootanfar, Zahra Yousefizadeh, **Mojtaba Shakibaie**. Microbial-assisted synthesis and evaluation the cytotoxic effect of tellurium nanorods. Materials Science and Engineering C **2015;** 49: 183–189 .
- 44- **Mojtaba Shakibaie**, Hamid Forootanfar, Yaser Golkari, Tayebe Mohammadi-Khorsand, Mohammad Reza Shakibaie. Anti-biofilm activity of biogenic selenium nanoparticles and selenium dioxide against clinical isolates of *Staphylococcus aureus*, *Pseudomonas aeruginosa*, and *Proteus mirabilis*. Journal of Trace Elements in Medicine and Biology **2015;** 29: 235–241.
- 45- Hossein Mahmoudvand, **Mojtaba Shakibaie**, Razieh Tavakoli, Sareh Jahanbakhsh, Iraj Sharifi. In Vitro Study of Leishmanicidal Activity of Biogenic Selenium Nanoparticles against Iranian Isolate of Sensitive and Glucantime- Resistant *Leishmania tropica*. Iranian J Parasitol **2014;** 9 (4): 452–460.
- 46- **Shakibaie M**, Haghiri M, Jafari M, Amirpour-Rostami S, Ameri A, Forootanfar H, Mehrabani M. Preparation and evaluation the effect of Fe_3O_4 @piroctone olamine magnetic nanoparticles on matrix metalloproteinase-2: a preliminary in vitro study. Biotechnol Appl Biochem. **2014;** 61(6): 676–682.
- 47-Hossein Mahmoudvand, Iraj Sharifi, Majid Fasihi Harandi, Mostafa Shokohi, **Mojtaba Shakibaie**, Tahereh Rezaei Rabani, Sareh Jahanbakhsh, Abbas Ali Ghasemi **(2014)** Anti-leishmania effects of methotrexate (MTX) alone and in combination with meglumine antimoniate (MA) against Iranian isolate of sensitive and MA-resistant *Leishmania tropica*: An in-vitro assay. Asian Pacific Journal of Tropical Medicine (2014)412-420.
- 48- Hossein Mahmoudvand , Majid Fasihi Harandi, **Mojtaba Shakibaie** Mohammad Reza Aflatoonian, Naser ZiaAli, Mahsa Sadat Makki, Sareh Jahanbakhsh **(2014)** Scolicidal effects of biogenic selenium nanoparticles against protoscolices of hydatid cysts. International Journal of Surgery, 12 (5), 399–403.
- 49- Ali Ramazani , Mehdi Khoobi, Azar Torkaman, Fatemeh Zeinali Nasrabadi, Hamid Forootanfar, **Mojtaba Shakibaie**, Mandana Jafari, Alieh Ameri, Saeed Emami, Mohammad Ali Faramarzi, Alireza Foroumadi, Abbas Shafiee **(2014)** One-pot, four-component synthesis of novel cytotoxic agents 1-(5-aryl-1,3,4-oxadiazol-2-yl)-1-(1*H*-pyrrol-2-yl)methanamines. European Journal of Medicinal Chemistry 78, 151-156
- 50- Hamid Forootanfar, Bijan Zare, Homasadat Fasihi-Bam, Sahar Amirpour-Rostami, Atefe Ameri, **Mojtaba Shakibaie**, Mohammad Torabi Nami **(2014)** Biosynthesis and Characterization of Selenium Nanoparticles Produced by Terrestrial Actinomycete *Streptomyces microflavus* Strain FSHJ31. Research and Reviews: Journal of microbiology and biotechnology 3 (1), 47-53.

- 51- Hamid Forootanfar, Mahboubeh Adeli-Sardou, Maryam Nikkhoo, Mitra Mehrabani, Bagher Amir-Heidari, Ahmad Reza Shahverdi, **Mojtaba Shakibaie** (2014) Antioxidant and cytotoxic effect of biologically synthesized selenium nanoparticles in comparison to selenium dioxide. Journal of Trace Elements in Medicine and Biology 28, 75-79.
- 52- Saied Soflaei, Abdolhossein Dalimi, Amir Abdoli, Mahdi Kamali, Vahid Nasiri , **Mojtaba Shakibaie**, Mahdi Tat (2014) Anti-leishmanial activities of selenium nanoparticles and selenium dioxide on *Leishmania infantum*. Comp. Clin. Pathol. 23 (1), 15-20.
- 53- **Mojtaba Shakibaie**, Maryam Moazeni, Zohre Niazzadeh-Najafi, Sasan Rezaie, Mohsen Amini, Ahmad Reza Shahverd (2013) Fabrication of novel menthol-coated selenium nanoparticles and their antifungal activity against dermatophyte isolates . Mikologia Lekarska 20 (2), 80-84.
- 54- Mehdi Ansari-Dogaheh, Fariba Sharififar, Ali mohammad Arabzadeh, **Mojtaba Shakibaie**, Mahnaz Heidarbeigi (2013) Inhibitory effect of a standard extract of *Zhumeria majdae* Rech.f. and Wendelbo. against *Herpes simplex-1* virus. J Med Sci 13 (8), 755-760.
- 55- Forootanfar H, **Shakibaie M**, Bagherzadeh Z, Aghaie-Khozani M, Nafissi-Varcheh N, Monsef- Esfahani HR, Faramarzi MA (2013) The removal of ρ -chlorophenol in aqueous cultures with free and alginate-immobilized cells of the microalga *Tetraselmis suecica*. J Appl Phycol 25, 51–57.
- 56-Zahra Bahri-Kazempour, Khosro Abdi, **Mojtaba Shakibaie**, Hamid Forootanfar, Hossein Attar, Ahmad Reza Shahverdi (2013) Synthesis and antibacterial activity of a Fe_3O_4 –AgCl nanocomposite against *Escherichia coli*. Toxicological & Environmental, Chemistry, 95 (1), 118-26.
- 57- **Mojtaba Shakibaie**, Ahmad Reza Shahverdi, Mohammad Ali Faramarzi, Gholam Reza Hasanzadeh, Hamid Reza Rahimi, Omid Sabzevari (2013) Acute and subacute toxicity of novel biogenic selenium nanoparticles in mice. Pharmaceutical Biology, 51 (1), 58-63.
- 58- Arabzadeh AM, Ansari-Dogahe M, Sharififar F, **Shakibaie M**, Heidarbeigi M (2013) Anti *Herpes simplex-1* activity of a standard extract of *Zataria multiflora* Boiss. Pakistan Journal of Biological Science, 16(4), 180-84.
- 59- Nasibeh Beheshti, Saied Soflaei, **Mojtaba Shakibaie**, Mohammad Hossein Yazdi, Fatemeh Ghaffarifar,, Abdolhossein Dalimi, Ahmad Reza Shahverdi (2013) Efficacy of biogenic selenium nanoparticles against Leishmania major: In vitro and in vivo studies. J Trace Elem Med Bio 27(3), 203-207.
- 60- Bijan Zare, Mohammad Ali Faramarzi, Zargham Sepehrizadeh, **Mojtaba Shakibaie**, Sasan Rezaie, Ahmad Reza Shahverdi (2012) Biosynthesis and recovery of rod-shaped tellurium nanoparticles and their bactericidal activities. Materials Research Bulletin. 47 ,3719–725.

- 61- Saied Soflaei, Abdolhossein Dalimi, Fatemeh Ghaffarifar, **Mojtaba Shakibaie**, Ahmad Reza Shahverdi, Mohsen Shafiepour (2012) In Vitro Antiparasitic and Apoptotic Effects of Antimony SulfideNanoparticles on *Leishmania infantum*. Journal of Parasitology Research Article ID 756568, 7 pages, doi:10.1155/2012/756568.
- 62- Abbas Pardakhty, Mojtaba Shakibaie, Hamid Daneshvar, Ali Khamesipour, Tayebe Mohammadi-Khorsand, Hamid Forootanfar (2012) Preparation and evaluation of niosomes containing autoclaved *Leishmania major*: a preliminary study. Journal of Microencapsulation 29(3), 219-24.
- 63- Gholam Ali Kojouri, Samane Jahanabadi, **Mojtaba Shakibaie**, Ali Mohammad Ahadi, Ahmad Reza Shahverdi (2012) Effect of selenium supplementation with sodium selenite and selenium nanoparticles on iron homeostasis and transferrin gene expression in sheep: A preliminary study. Research in Veterinary Science 93(1), 275-278.
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- 65- Moshafi M, Forootanfar H, Ameri A, **Shakibaie M**, Dehghan-Noudeh, Razavi M (2011) Antibacterial activity of *Bacillus* sp. Strain FAS1 isolated from soil. Pak. J. Pharm. Sci 24(3), 269-275.
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- 67- **Shakibaie M**, Khorramizadeh MR, Faramarzi MA, Sabzevari O, Shahverdi AR (2010) Biosynthesis and recovery of selenium nanoparticles and the effects on matrix metalloproteinase-2 expression. Biotechnol. Appl. Biochem 56,7-15.
- 68- Parisa Jafari Fesharaki, Pardis Nazari, **Mojtaba Shakibaie**, Sassan Rezaie, Maryam Banoe, Mohammad Abdollahi, Ahmad Reza Shahverdi (2010) Biosynthesis of selenium nanoparticles using *Klebsiella pneumoniae* and their recovery by a simple sterilization process. Brazilian Journal of Microbiology 41: 461-466.
- 69- Khorramizadeh MR, Esmail-Nazari Z, Zarei-Ghaane Z, **Shakibaie M**, Mollazadeh-Moghaddam K, Iranshahi M, Shahverdi AR (2010) Umbelliprenin-coated Fe_3O_4 magnetite nanoparticles: Antiproliferation evaluation on human Fibrosarcoma cell line (HT-1080). Materials Science and Engineering C 30: 1038–1042.
- 70- Seyed Naser Ostad, Shahrzad Dehnad, Zeinab Esmail Nazari, Shohreh Tavajohi Fini, Narges Mokhtari, **Mojtaba Shakibaie**, Ahmad Reza Shahverdi (2010)

Cytotoxic Activities of Silver Nanoparticles and Silver Ions in Parent and Tamoxifen-Resistant T47D Human Breast Cancer Cells and Their Combination Effects with Tamoxifen against Resistant Cells. Avicenna Journal of Medical Biotechnology 2(4),187-196.

- 71- Emad al din Haratifar, Hamid Reza Shahverdi, **Mojtaba Shakibaie**, Kamyar Mollazadeh Moghaddam, Mohsen Amini, Hojatollah Montazeri, and Ahmad Reza Shahverdi **(2009)** Semi-Biosynthesis of Magnetite-Gold Composite Nanoparticles Using an Ethanol Extract of *Eucalyptus camaldulensis* and Study of the Surface Chemistry, Journal of Nanomaterials; Article ID 962021, 5 pages.

- 33 Genes submission to GenBank of NCBI

Theses:

- 2005 "Preparation and evaluation of the niosomes containing autoclaved *Leishmania major*" for Pharm.D. degree.
- 2009 "Isolation and identification of a bacterium capable of producing selenium nanoparticles, characterization of the nanoparticles, determination of their LD₅₀, and evaluation of their effects on matrix metalloproteinase type-II" for Ph.D. degree.

Interests:

Swimming, Movie, Jogging,

References:

Dr. A.R. Shahverdi, Associated professor, department of pharmaceutical biotechnology, faculty of pharmacy, Tehran University of medical sciences.
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