



Kerman University
of Medical Sciences

Curriculum Vitae
Hamid Forootanfar (Pharm. D., Ph.D.)
Professor of Pharmaceutical Biotechnology
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Name: Hamid Forootanfar

Place & Date of Birth: 30.Jun.1981, Mashhad, Iran

Nationality: Iranian

Tel: +98-034-31325238

E-mail: h_forootanfar@kmu.ac.ir

: forootanfar@yahoo.com

: forootanfar.hamid97@gmail.com

Scopus h-index: 24

Scopus Author ID: 36918103500

ORCID Author ID: 0000-0001-5049-7674

ResearcherID: AAY-5999-2020

Work Address:

Department of Pharmaceutical Biotechnology, Faculty of Pharmacy, Kerman University of Medical Sciences, Kerman, Iran

Tel: +98 34-31325238

Fax: +98 34-31325003

Education:

➤ **Ph.D. (2007-2010)**

Department of Pharmaceutical Biotechnology, Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran.

➤ **Pharm D. (1999-2005)**

Faculty of Pharmacy, Kerman University of Medical Sciences, Kerman, Iran

➤ **Diploma (1991-1995); (in Experimental Science)**

Shohada-10 High School, Mahan, Kerman, Iran.

Ph. D. Thesis:

- Year 2010
- Title Isolation and identification of a laccase producer fungal strain from soil; purification and characterization of the enzyme

Pharm. D. Thesis:

- Year 2005
- Title Antibacterial evaluation of different extracts of *Hibbiscus subdarifa* on six indicator microbial strains by bioautography and cylinder plate methods

Societies Memberships:

- Iranian Society of Pharmacists (2005- present)
- Medical Council of Iran (2005- present)
- Pharmaceutics Research Center, Kerman University of Medical Sciences, Kerman, Iran (2011- present)
- Herbal and Traditional Medicines Research Center, Kerman University of Medical Sciences, Kerman, Iran (2011- present)
- Head of the Student Research Committee, Faculty of Pharmacy, Kerman University of Medical Sciences, Kerman, Iran (2011-2014).
- Head of Department of Pharmaceutical Biotechnology, Faculty of Pharmacy, Kerman University of Medical Sciences, Kerman, Iran (2015-2018).
- Manager of Education Organization in Faculty of Pharmacy, Kerman University of Medical Sciences, Kerman, Iran (2014- 2018).
- Member of Education Development Organization (EDO), Faculty of Pharmacy, Kerman University of Medical Sciences, Kerman, Iran (2012- present).
- Head of Pharmaceutical Sciences and Cosmetic Products Research Center, Kerman University of Medical Sciences, Kerman, Iran (2019- present).
- Manager of Health Technology Development and Head of Health Technology Incubator, Kerman University of Medical Sciences, Kerman, Iran (2019- present)
- Main Member of Pharmaceutical Biotechnology Board (2019-present).

Honoraria:

- 2007 Achieving the best 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
- 2008 Second mark, 168 (84%) in the 4rd national board exam for pharmaceutical biotechnologists, Tehran University of Medical Sciences
- 2011 First Researcher of Pharmaceutics Research Center, Kerman University of Medical Sciences, Kerman, Iran
- 2014 First Researcher of Herbal and Traditional Medicines Research Center, Kerman University of Medical Sciences, Kerman, Iran
- 2014 First teacher award, Faculty of pharmacy, Kerman University of Medical Sciences, Kerman, Iran
- 2015 Second Award in Research Section of Academy of Medical Sciences, Islamic Republic of Iran for the Article entitled “Purification and biochemical characterization of extracellular laccase from the soil isolate ascomycete *Paraconiothyrium variabile*. *Bioresource Technology*. 102, 1808-1814.”
- 2017 Selected Researcher by the Ministry of Health and Medical Education of I.R. Iran due to h-index above 15 and receiving the related grant.



Participate as Reviewer in the following journals:

- Critical Reviews in Biotechnology
- Materials Science and Engineering C
- Industrial Crops and Products
- DARU
- BioResources
- Applied Biochemistry and Biotechnology
- Colloids and Surfaces B: Biointerfaces
- Process Biochemistry
- Journal of Biomedical Materials Research Part B Applied Biomaterials
- IET Nanobiotechnology
- Materials Sciences and Engineering C
- International Immunopharmacology
- International Journal of Biological Macromolecules

Academic skills:

- Well- developed experiences in working with UV-Visible and biophotometer; Infrared spectrometer; HPLC; Knauer; conventional PCRs, RT-PCR, SDS-PAGE, western blotting.
- Proven ability in using USP, BP, Micromedex, International Pharmaceutical Abstract, GENERUNER, Geneious, ENDNote and Reference manager software.
- 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.
- Well- developed in instrumental analysis
- Finally, I am a pharmacist and familiar with pharmaceutical agents, drug interaction, drug precautions, drug pharmacokinetics and pharmacodynamics, Biopharmacy, Pharmacognosy and related sciences.

Attendance in Congress:

- 1- **Forootanfar, H.**, Hasan-Bikdashti, M., Faramarzi, M.A., Ameri, A., (2013) Bioconversion of capsaicin using the optimized broth culture of lipase producing bacterium *Stentrophomonas maltophilia*. Iranian Congress of Biochemistry (ICB) and First International Congress of Biochemistry and Molecular Biology (ICBMB). Yazd, Iran.
- 2- Mousavi, S.M., **Forootanfar, H.**, Faramarzi, M.A., Ameri, A., Shakibaie, M., (2013) Metal nanoparticle production assisted by α -amylase. 3rd International Student Biotechnology Congress, Tehran, Iran.
- 3- Hamidian, K., **Forootanfar, H.**, Shakibaie, M., Shahidi G., Ameri A., Moshafi, M., (2012) Identification of soil isolated actinomycetes with inhibitory effect on bacterial and fungal pathogens by 16S rDNA technique. 13th Iranian Pharmaceutical Sciences Congress. Isfahan, Iran.
- 4- Hosseini, A., Pardakhty, A., Shakibaie, M., **Forootanfar, H.**, (2012) Preparation and evaluation of niosomes containing autoclaved *Leishmania major*: a preliminary study. 13th Iranian Pharmaceutical Sciences Congress. Isfahan, Iran.
- 5- Nikkho, M., Shakibaie, M., **Forootanfar, H.**, (2012) Isolation and identification of a *Lactobacillus* sp. from dairy products as a novel selenium reducing probiotic. 13th Iranian Pharmaceutical Sciences Congress. Isfahan, Iran.
- 6- Salarpour, S., **Forootanfar, H.**, Shakibaie, M., Ameri, A., Moshafi, M., (2012). Screening of bacillus species with potentials of antibiotics production. 13th Iranian Pharmaceutical Sciences Congress. Isfahan, Iran.
- 7- Forootanfar, H., Faramarzi, M.A., (2010) Purification of laccase from a locally soil isolated fungus. 12th Iranian Pharmaceutical Sciences Congress. Zanjan, Iran.

Publications: Books:

- 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, M.A., **Forootanfar, H.**, Shakibaie, M., (2010). Microalgal Biotechnology. Tehran University of Medical Sciences Publisher.

3- **Forootanfar H.**, Arjmand S, Behzadi M, Faramarzi M.A., Laccase-Mediated Treatment of Pharmaceutical Wastes in Research Advancements in Pharmaceutical, Nutritional, and Industrial Enzymology. IGI Global Press, 2018, 213-252.

4- **Forootanfar H.**, Faramarzi MA., Recent Developments in Laccase Applications for the Food Industry in Reference Module in Food Science. Elsevier Press, 2019, doi: 10.1016/B978-0-08-100596-5.21112-8.

5- Hamidi H., **Forootanfar H.**, Shakibaie M., Gene Therapy Using Lentivirus Carriers. 2019 (Translation).

Articles: (sort: new)

1. Jalili-Baleh L, Nadri H, **Forootanfar H.** Tüylü Küçükkılınc T, Ayazgök B, Sharifzadeh M, Rahimifard M, Baeri M, Abdollahi M, Foroumadi A, Khoobi M. Chromone–lipoic acid conjugate: Neuroprotective agent having acceptable butyrylcholinesterase inhibition, antioxidant and copper-chelation activities. DARU Journal of Pharmaceutical Sciences. 2021, DOI: 10.1007/s40199-020-00378-1.
2. Hamidinasab M, Ameri A, Hekmat A, **Forootanfar H.** Mortezaazadeh T, Bodaghifard MA, Peytam F, Esmaeilii R, Foroumadi A, Sharifzadeh M, Mobinikhaledi A, Khoobi M. Mono- and bis-pyrazolophthalazines: Design, synthesis, cytotoxic activity, DNA/HSA binding and molecular docking studies. Bioorganic & Medicinal Chemistry 30 (2021) 115944.
3. Taghizadeh T, Ameri A, Talebian-Kiakalaieh A, Mojtavavi S, Ameri A, **Forootanfar H.** Tarighi S, Mohammad Ali Faramarzi MA. Lipase@ zeolitic imidazolate framework ZIF-90: A highly stable and recyclable biocatalyst for the synthesis of fruity banana flavour. International Journal of Biological Macromolecules. 166 (2021), 1301-1311.
4. Sajadi Bami M, Khazaeli P, **Forootanfar H.** Dehghannoudeh G, Ohadi M. Isolation and identification of biosurfactant producing bacterial strain from saline soil samples in Iran; evaluation of factors on biosurfactant production. Jundishapur Journal of Natural Pharmaceutical Products. 2020 November; 15 (2020) e96798.
5. Asadi F, **Forootanfar H.** Ranjbar M. A facile one-step preparation of $\text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2/\text{Li-BioMOFs}$ resin nanocomposites with Glycyrrhiza glabra (licorice) root juice as green capping agent and mechanical properties study. Artificial Cells, Nanomedicine, and Biotechnology, 48 (2020) 1331-1339.
6. Vakili M, Mojtavavi S, Imanparast S, Kianmehr Z, **Forootanfar H.** Faramarzi MA. Immobilization of lipase on the modified magnetic diatomite earth for effective methyl esterification of isoamyl alcohol to synthesize banana flavour. 3 Biotech, 10 (2020) Article number: 447.
7. Asadi F, **Forootanfar H.** Ranjbar M, Ali Asadipour A. Eco friendly Synthesis of the $\text{LiY}(\text{MoO}_4)_2$ Coral-Like Quantum Dots in Biotemplate MOF (QD/BioMOF) for in vivo imaging and Ibuprofen Removal from an Aqueous Media study. Arabian Journal of Chemistry, 13 (2020) 7820-7828.
8. Vahidi M, Imanparast S, Jahandar H, **Forootanfar H.** Mojtavavi S, Faramarzi MA. An organic solvent-tolerant lipase of Streptomyces pratensis MV1 with the potential application for enzymatic improvement of n6/n3 ratio in polyunsaturated fatty acids from fenugreek seed oil. Journal of Food Science and Technology, 2020.
9. Ohadi M, **Forootanfar H.** Dehghannoudeh G, Eslaminejad T, Ameri A, 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, 10 (2020) 899-908.
10. Ameri A, Shakibaie M, Rahimi HR, Adeli-Sardou M, Raeisi M, 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

11. Ameri A, Shakibaie M, Khoobi M, Faramarzi MA, Gholibegloo E, 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*, 162 (2020) 1790-1806.
12. Shakibaie M, **Forootanfar H**, Jafari E, Salimi A, Doostmohammadi M, Rahimi HR. Microwave-assisted synthesized zinc nanoparticles attenuate cisplatin-induced testicular toxicity in mice. *Toxicological & Environmental Chemistry*, 102 (2020) 386-398.
13. Doostmohammadi M, **Forootanfar H**, Ramakrishna S. New strategies for safe cancer therapy using electrospun nanofibers: A short review. *Mini-Reviews in Medicinal Chemistry*, 20 (2020) 1272-1286.
14. Faghih-Mirzaei E, Ameri A, **Forootanfar H**, Rouholamini HS, Shamsadini-pour M, Jafari M. Design and Synthesis of Novel N1-(Phenoxyethyl) Theobromine Derivatives and Evaluation of Their Cytotoxicity by in-vitro Method with Molecular Docking Study: A Laboratory Study. *Journal of Rafsanjan University of Medical Sciences*. 19 (2020) 137-154.
15. Ameri A, Shakibaie M, Pournamdari M, Ameri A, Forootanfar A, Doostmohammadi M, **Forootanfar H**. Degradation of diclofenac sodium using UV/biogenic selenium nanoparticles/H₂O₂: Optimization of process parameters. *Journal of Photochemistry & Photobiology A: Chemistry* 392 (2020) 112382.
16. Doostmohammadi M, **Forootanfar H**, Ramakrishna S. Regenerative medicine and drug delivery: Progress via electrospun biomaterials. *Materials Science & Engineering C*. 109 (2020) 110521.
17. Ohadi M, **Forootanfar H**, Dehghannoudeh G, Eslaminejad T, Ameri A, Shakibaie M, Adeli-Sardou M. Antimicrobial, anti-biofilm, and anti-proliferative activities of lipopeptide biosurfactant produced by *Acinetobacter junii* B6. *Microbial Pathogenesis* 138 (2020) 103806.
18. Ameri A, Shakibaie M, Khoobi M, Faramarzi MA, 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*, 191 (2020) 579-604.
19. Salarpour S, Pardakhty A, Ahmadi-Zeidabadi M, Pournamdari M, **Forootanfar H**, Esmaeeli M, Afsharipour S. Exosome-loaded Paclitaxel: Preparation and toxicity evaluation on two glioblastoma cell lines. *Nanomedicine Research Journal* 4 (2019) 239-246.
20. Khoshnevis, N, Rezaei S, **Forootanfar H**, Faramarzi MA. Efficient Keratinolysis of Poultry Feather Waste by The Halotolerant Keratinase from *Salicola Marasensis*. *Iranian Journal of Pharmaceutical Research*, 18 (2019) 1862-1870.
21. Jafari M, **Forootanfar H**, Ameri A, Forootanfar A, Adeli-Sardou M, Rahimi HR, Najafi A, Zangiabadi N, Shakibaie M. Antioxidant, cytotoxic and hyperalgesia-suppressing activity of a native Shilajit obtained from Bahr Aseman mountains. *Pakistanian Journal of Pharmaceutical Sciences*. 32 (2019) 2167-2173.
22. Gholibegloo, E, Mortezaazadeh T, Salehian F, **Forootanfar H**, Firoozpour L, Foroumadi A, Ramazani A, Khoobi M. Folic acid decorated magnetic nanosponge: an efficient nanosystem for targeted curcumin delivery and magnetic resonance imaging. *Journal of Colloid and Interface Science*. 556 (2019) 128-139.
23. Salarpour S, **Forootanfar H**, Pournamdari M, Ahmadi-Zeidabadi M, Esmaeeli M, Pardakhty A. Paclitaxel incorporated exosomes derived from glioblastoma cells: comparative study of two loading techniques. *DARU Journal of Pharmaceutical Sciences*. 27 (2019) 533-539.
24. Shakibaie M, **Forootanfar H**, Ghaseminejad A, Salimi A, Ameri A, Doostmohammadi M, Jafari E, Rahimi HR. Ondansetron enhanced diclofenac-induced nephrotoxicity in mice. *Journal of Biochemical and Molecular Toxicology*. 33 (2019) e22378.
25. Jafari M, **Forootanfar H**, Ameri A, Forootanfar A, Adeli-Sardou M, Rahimi HR, Najafi 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*. 32 (2019) 2167-2173.
26. Salimi A, Rahimi HR, **Forootanfar H**, Jafari E, Ameri A, Shakibaie M. Toxicity of microwave-assisted biosynthesized zinc nanoparticles in mice: a preliminary study. *Artificial Cells, Nanomedicine, and Biotechnology*. 47 (2019) 1846-1858.
 27. 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*, 9 (2019) 268.
 28. Shakibaie M, Alipour-Esmaeili-Anari F, Adeli-Sardou M, Ameri A, Doostmohammadi M, **Forootanfar H**, Ameri A. Antibacterial and anti-biofilm effects of microwave-assisted biologically synthesized zinc nanoparticles. *Nanomedicine Journal*. 6 (2019) 223-231.
 29. Zihayat□ B, Shakibaie M□, Sabouri-Shahrbabak□ S, Doostmohammadi□ M, Ameri□ A, Adeli-Sardou M, **Forootanfar□ H**. Medium optimization for polyhydroxyalkanoate production by *Pseudomonas pseudoalcaligenes* strain Te using D-optimal design. *Biocatalysis and Agricultural Biotechnology* 18 (2019) 101001.
 30. Abdshahzadeh H, Golshani M, Nadri H, Saberi Kia I, Abdolahi Z, **Forootanfar H**, Ameri A. et al. 3-Aryl Coumarin Derivatives Bearing Aminoalkoxy Moiety as Multi-Target-Directed Ligands against Alzheimer's Disease. *Chemistry and Biodiversity* 16 (2019) e1800436. DOI: 10.1002/cbdv.201800436.
 31. Afzali E, **Forootanfar H**, Eslaminejad T, Amirpour-Rostami S, Ansari M. Enhancing purification of α -amylase by superparamagnetic complex with alginate/chitosan/ β -cyclodextrin/TPP. *Biocatalysis and Biotransformation*. 37 (2019) 201-209.
 32. Salehi N, Mirjalili BBF, Nadri H, Abdolahi Z, **Forootanfar H**, et al., Synthesis and biological evaluation of new N-benzylpyridinium-based benzoheterocycles as potential anti-Alzheimer's agents. *Bioorganic Chemistry*. 83 (2019) 559-568.
 33. Ameri A, Shakibaie M, Soleimani-Kermani M, Faramarzi MA, **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*. 49 (2019) 184-191.
 34. Shakibaie M, Hajighasemi E, Adeli-Sardou M, Doostmohammadi M, **Forootanfar H**. Antimicrobial and anti-biofilm activities of Bi subnitrate and Bi NPs produced by *Delftia* sp. SFG against clinical isolates of *Staphylococcus aureus*, *Pseudomonas aeruginosa*, and *Proteus mirabilis*. *IET Nanobiotechnology*. 13 (2019) 377-381.
 35. Arjmand S, Pardakhty A, **Forootanfar H**, Khazaeli P., A road to bring Brij52 back to attention: shear stress sensitive Brij52 niosomal carriers for targeted drug delivery to obstructed blood vessels. *Medical Hypotheses*. 121 (2018) 137-141.
 36. Shakibaie M, Jafari M, Ameri A, Rahimi HR, **Forootanfar H**. Biosynthesis and physicochemical characterization, and cytotoxic evaluation of selenium nanoparticles produced by *Streptomyces lavendulae* FSHJ9 against MCF-7 cell line. *Journal of Rafsanjan University of Medical Sciences*. 17 (2018) 625-638.
 37. Ranjbar M, **Forootanfar H**, Pardakhty A, Shakibaie M, Ameri A, Controllable synthesis of Ag nanoparticles encapsulated in non-ionic surfactant-based vesicle for photodegradation of methylene blue. *Journal of Materials Science: Materials in Electronics*. 29 (2018) 18249-18257.
 38. Shakibaie M, Abharian A, **Forootanfar H**, Ameri A, Jafari M, Rahimi HR. Cytotoxicity investigations of biogenic tellurium nanorods towards PC12 cell line. *IET Nanobiotechnology*. 12 (2018) 1144-1149.
 39. Jafari M, Rokhbakhsh-Zamin F, Shakibaie M, Moshafi MH, Ameri A, Rahimi HR, **Forootanfar H**. Cytotoxic and antibacterial activities of biologically synthesized gold nanoparticles assisted by *Micrococcus yunnanensis* strain J2. *Biocatalysis and Agricultural Biotechnology*. 15 (2018) 245-253.
 40. Jalili-Baleh, L, Nadri H, **Forootanfar H**, Samzadeh-Kermani A, Küçükkılınç T.T, Ayazgok B, Rahimifard

- M, Baeeri M, Doostmohammadi M, Firoozpour L, Bukhari S.N.A, Abdollahi M, Ganjali M.R, Emami S, Khoobi M, Foroumadi A. Novel 3-phenylcoumarin–lipoic acid conjugates as multi-functional agents for potential treatment of Alzheimer's disease. *Bioorganic Chemistry* 79 (2018) 223–234.
41. Jalili-Baleh, L, **Forootanfar H**, Küçükılınç T.T, Nadri H, Abdollahi Z, Ameri A, Jafari M, Ayazgok B, Baeeri M, Rahimifard M, Bukhari S.N.A, Abdollahi M, Ganjali M.R, Emami S, Khoobi M, Foroumadi A. Design, synthesis and evaluation of novel multi-target-directed ligands for treatment of Alzheimer's disease based on coumarin and lipoic acid scaffolds. *European Journal of Medicinal Chemistry* 152 (2018) 600–614.
 42. Shakibaie M, Amiri-Moghadam P, Ghazanfari M, Adeli-Sardou M, Jafari M, **Forootanfar H**. Cytotoxic and antioxidant activity of the biogenic bismuth nanoparticles produced by *Delftia* sp. *SFG. Materials Research Bulletin* 104 (2018) 155–163.
 43. Shakibaie M, **Forootanfar H**, Ameri A, Adeli-Sardou M, Jafari M, Rahimi HR. Cytotoxicity of biologically synthesised bismuth nanoparticles against HT-29 cell line. *IET Nanobiotechnology*. 12 (2018) 653-657.
 44. Shakibaie M, Ameri A, Ghazanfarian R, Adeli-Sardou M, Amirpour-Rostami S, Torkzadeh-Mahani M, Imani M, **Forootanfar H**. Statistical optimization of kojic acid production by a UV-induced mutant strain of *Aspergillus terreus*. *Brazilian Journal of Microbiology* 49 (2018) 865-871.
 45. 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* 112 (2018) 712–719.
 46. Ameri A, Khodarahmi G, **Forootanfar H**, Hassanzadeh F, Hakimelahi G. Hybrid pharmacophore design, molecular docking, synthesis, and biological evaluation of novel aldimine-type Schiff base derivatives as tubulin polymerization inhibitor. *Chemistry & Biodiversity*. 15 (2018) e1700518.
 47. Shakibaie M, Adeli-Sardou M, Mohammadi-Khorsand T, Zeydabadi-Nejad M, Amirafzali E, Amirpour-Rostami S, Ameri A, **Forootanfar H**. Antimicrobial and Antioxidant Activity of the Biologically Synthesized Tellurium Nanorods; A Preliminary In vitro Study. *Iranian Journal of Biotechnology*. 15 (2017) e1580.
 48. Mahmoudi Moghaddam H, Beitollahi H, Dehghannoudeh G, **Forootanfar H**. Electrochemical Determination of Amsacrine at a ds-DNA Modified Graphene Carbon Paste Electrode and its Application as a Label-free Electrochemical Biosensor. *International Journal of Electrochemical Sciences*. 12 (2017) 9958–9971.
 49. Beitollahi H, Dehghannoudeh G, Mahmoudi Moghaddam H, **Forootanfar H**. A Sensitive Electrochemical DNA Biosensor for Anticancer Drug Topotecan Based on Graphene Carbon Paste Electrode. *Journal of The Electrochemical Society*, 164 (2017) H1-H6.
 50. Mahmoudi Moghaddam H, Beitollahi H, Dehghannoudeh G, **Forootanfar H**. A Label-Free Electrochemical Biosensor Based on Carbon Paste Electrode Modified with Graphene and ds-DNA for the Determination of the Anti-Cancer Drug Tamoxifen. *Journal of The Electrochemical Society*. 164 (2017) B372-B376.
 51. Najimi S, Shakibaie M, Jafari E, Ameri A, Rahimi N, **Forootanfar H**, Yazdanpanah M, Rahimi HR. Acute and subacute toxicities of biogenic tellurium nanorods in mice. *Regulatory Toxicology and Pharmacology*. 90 (2017) 222-230.
 52. Rezaie R, Rezaei S, Jafari N, **Forootanfar H**, Khoshayand MR, Mohammad Ali Faramarzi MA. Delignification and detoxification of peanut shell bio-waste using an extremely halophilic laccase from an *Aquisalibacillus elongatus* isolate. *Extremophiles* 21 (2017) 993-1004.
 53. Ohadi M, Dehghannoudeh G, Shakibaie M, Banat IM, Pournamdari 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*. 12 (2017) 1–9.

54. 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*. 18 (2017) 900-908.
55. Ameri A, Shakibaie M, Faramarzi MA, Ameri A, Amirpour-Rostami S, Rahimi HR, **Forootanfar H**. Thermoalkalophilic lipase from an extremely halophilic bacterial strain *Bacillus atrophaeus* FSHM2: Purification, biochemical characterization and application. *Biocatalysis and Biotransformation*. 35 (2017) 151-160.
56. Salari Z, Ameri A, **Forootanfar H**, Adeli-Sardou M, Jafari M, Mehrabani M, Shakibaie M. Microwave-assisted biosynthesis of zinc nanoparticles and their cytotoxic and antioxidant activity. *Journal of Trace Elements in Medicine and Biology* 39 (2017) 116–123.
57. Shakibaie M, Mohammadi-Khorsand T, Adeli-Sardou M, Jafari M, Amirpour-Rostami S, 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* 40 (2017) 1–9.
58. Sharififar F, Miri-Moghaddam M, Nematollahi-Mahani SN, **Forootanfar H**, Asgharian Rezee M. Cytotoxicity effect of *Zataria multiflora* Boiss. on two human colon carcinoma cell lines. *Research Journal of Pharmacognosy* 4 (2017) 65-70.
59. Ameri A, Khodarahmi G, Hassanzadeh F, **Forootanfar H**, Hakimelahi G. Novel aldimine-type schiff bases of 4-amino-5-[(3,4,5-trimethoxyphenyl)methyl]-1,2,4-triazole-3-thione/thiol: docking study, synthesis, biological evaluation, and anti-tubulin activity. *Archiv der Pharmazie* 349 (2016) 662-681.
60. Pourabdi L, Khoobi M, Nadri H, Moradi A, Homayouni Moghadam F, Emami S, Mojtahedi MM, Haririan I, **Forootanfar H**, Ameri A, Foroumadi A, Shafiee A. Synthesis and structure-activity relationship study of tacrine-based pyrano[2,3-c]pyrazoles targeting AChE/BuChE and 15-LOX. *European Journal of Medicinal Chemistry* 123 (2016) 298-308.
61. **Forootanfar H**, Rezaie S, Zeinvand-Lorestani H, Tahmasbi H, Mogharabi M, Ameri A, Faramarzi MA. Studies on the laccase-mediated decolorization, kinetic, and microtoxicity of some synthetic azo dyes. *Journal of Environmental Health Science & Engineering* (2016) 14:7.
62. Khoobi M., Khalilvand-Sedagheh M., Ramazani A., Asadgol A., **Forootanfar H.**, Faramarzi MA. Synthesis of polyethyleneimine (PEI) and β -cyclodextrin grafted PEI nanocomposites with magnetic cores for lipase immobilization and esterification. *Journal of Chemical Technology and Biotechnology* (2016) 91: 375-384.
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98. Seventy-four Gene submissions to GenBank of NCBI.

Teaching Experiences:

1. Pharmaceutical Biotechnology Training, Pharm. D. program, Faculty of Pharmacy, Kerman University of Medical sciences, Kerman, Iran, 2011–present.
2. Biological Products Training, Pharm. D. program, Faculty of Pharmacy, Kerman University of Medical sciences, Kerman, Iran, 2011–present.
3. Molecular Biology and Genetics Training, Pharm. D. program, Faculty of Pharmacy, Kerman University of Medical sciences, Kerman, Iran, 2011–present.
4. Pharmacy Practice, Pharm. D. program, Faculty of Pharmacy, Kerman University of Medical sciences, Kerman, Iran, 2011–present.
5. Biotechnology for Parasitology PhD students, Kerman University of Medical sciences, Kerman, Iran, 2011.
6. Documentation for PhD by Research students, Kerman University of Medical sciences, Kerman, Iran, 2011–present.
7. Industrial Enzymology for PhD by Research students, Kerman University of Medical sciences, Kerman, Iran, 2016–present.
8. Process in Biotechnology, for PhD by Research students, Kerman University of Medical sciences, Kerman, Iran, 2016–present.
9. Biopharmaceutical Quality Control for PhD students, Kerman University of Medical sciences, Kerman, Iran, 2015–present.

Interests:

Swimming, Movie