

Curriculum Vitae

**Dr. Hamid Forootanfar**

**Pharm D., Ph.D, Associated Professor of Pharmaceutical Biotechnology**



***Personal Information:***

Department of Pharmaceutical Biotechnology,  
Faculty of Pharmacy, Kerman University of Medical Sciences,  
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**Date of birth:** The 30<sup>th</sup> Jun 1981

**Native Language:** Persian

**Foreign language:** English speaker

***Education:***

Since 2015	Associated Professor of Pharmaceutical Biotechnology, Department of Pharmaceutical Biotechnology, Faculty of Pharmacy, Kerman University of Medical Sciences, Kerman, Iran.
2011-2015	Assistant Professor of Pharmaceutical Biotechnology, Department of Pharmacognosy and Pharmaceutical Biotechnology, Faculty of Pharmacy, Kerman University of Medical Sciences, Kerman, Iran.
2007-2011	Ph.D. in Pharmaceutical Biotechnology, Department of Pharmaceutical Biotechnology, Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran.
1999-2005	Pharm. D. from Kerman University of Medical Sciences, Kerman, Iran.
1995-1999	Diploma, Shohada 10 High School, Kerman, Iran.

***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).

***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

***Academic skills:***

- Well- developed experiences in working with UV-Visible and biophotometer; Infrared spectrometer; 3800-CP Varian® 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.
- 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:***

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| 2007 | Achieving the best mark in the 19 <sup>th</sup> Ph.D. student entrance exam and being accepted in Tehran University of Medical Sciences      |
| 2008 | CO-manager of the 11 <sup>th</sup> 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 4 <sup>rd</sup> 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.

#### **Pharm. D. Thesis:**

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

#### **Ph.D. Thesis:**

- 2009-2011 Isolation and identification of a laccase producer fungal strain from soil; purification and characterization of the enzyme

#### **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.

#### **Attendance In Congress:**

- 1- Doostishoar, F., **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  $\alpha$ -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. 13<sup>th</sup> 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. 13<sup>th</sup> 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. 13<sup>th</sup> 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. 13<sup>th</sup> Iranian Pharmaceutical Sciences Congress. Isfahan, Iran.
- 7- **Forootanfar, H.**, Faramarzi, M.A., (2010) Purification of laccase from a locally soil isolated fungus. 12<sup>th</sup> Iranian Pharmaceutical Sciences Congress. Zanjan, Iran.

#### **Field of Interests:**

- 1- Purification and application of biotechnologically important enzymes from bacterial and fungal resources.
- 2- Development of genetically engineered microorganisms for production of pharmaceutically important enzymes and proteins.
- 3- Preparation and application of immobilized enzymes.
- 4- Production and biological evaluation of nanoparticles using biological methods.
- 5- Probiotics and Prebiotics.
- 6- Anti-microbial and Cytotoxic evaluation of natural compounds or synthetic chemicals.

#### **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.

##### **Articles:**

- 1- Zihayat B, Shakibaie M, Sabouri-Shahrbabak S, Doostmohammadi M, Ameri A, Adeli-Sardou M, Hamid **Forootanfar H.** Medium optimization for polyhydroxyalkanoate production by *Pseudomonas pseudoalcaligenes* strain Te using D-optimal design. Biocatalysis and Agricultural Biotechnology 18 (2019) 101001.

- 2- 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.
- 3- Afzali E, **Forootanfar H**, Eslaminejad T, Amirpour-Rostami S, Ansari M. Enhancing purification of  $\alpha$ -amylase by superparamagnetic complex with alginate/chitosan/ $\beta$ -cyclodextrin/TPP. *Biocatalysis and Biotransformation*. 37 (2019) 201-209.
- 4- 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.
- 5- 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.
- 6- 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*. 2019. doi: 10.1049/iet-nbt.2018.5102.
- 7- 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.
- 8- 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.
- 9- 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.
- 10- 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.
- 11- 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.
- 12- Jalili-Baleh, L, Nadri H, **Forootanfar H**, Samzadeh-Kermani A, Küçükılınç T.T, Ayazgok B, Rahimifard M, Baeri 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.
- 13- Jalili-Baleh, L, **Forootanfar H**, Küçükılınç T.T, Nadri H, Abdollahi Z, Ameri A, Jafari M, Ayazgok B, Baeri 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.

- 14- 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.
- 15- 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.
- 16- 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.
- 17- Ohadi M, Dehghannoudeh G, **Forootanfar H**. Shakibaie M, Rajae 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.
- 18- 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.
- 19- 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.
- 20- 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.
- 21- 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.
- 22- 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.
- 23- 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.
- 24- 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.
- 25- 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.
- 26- 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.
- 27- 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.
  - 28- 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.
  - 29- 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.
  - 30- 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.
  - 31- 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.
  - 32- 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.
  - 33- **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.
  - 34- Khoobi M., Khalilvand-Sedagheh M., Ramazani A., Asadgol A., **Forootanfar H.**, Faramarzi MA. Synthesis of polyethyleneimine (PEI) and  $\beta$ -cyclodextrin grafted PEI nanocomposites with magnetic cores for lipase immobilization and esterification. Journal of Chemical Technology and Biotechnology (2016) 91: 375-384.
  - 35- Ameri A, Shakibaie M, Ameri A, Faramarzi MA, 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 57 (2016) 21552-21563.
  - 36- **Forootanfar H**, Faramarzi MA. Insights into Laccase Producing Organisms, Fermentation States, Purification Strategies, and Biotechnological Applications Biotechnology Progress (2015) 31: 1443-1463.
  - 37- Hadizadeh S, **Forootanfar H**, Shahidi Bonjar GH, Falahati Nejad M, Karamy Robati A, Ayatollahi Mousavi SA, Amirpourrostami S. Antifungal activity of terrestrial *Streptomyces rochei* strain HF391 against clinical azole -resistant *Aspergillus fumigatus*. Current Medical Mycology (2015) 1: 19-24.
  - 38- Ameri A, Shakibaie M, Amirpour-Rostami S, Ameri A, Adeli-Sardou M, Khazaeli P, Rahmani H, **Forootanfar H**. Partial purification and characterization of a

- thermoalkalophilic lipase originated from *Bacillus atrophaeus* FSHM2 and its application for ester synthesis. *Biotechnology* (2015) 14: 154-164.
- 39- Rezaie S., Tahmasbi H., Mogharabi M., Ameri A., **Forootanfar H.**, Khoshayand MR., Faramarzi MA., Laccase-catalyzed decolorization and detoxification of Acid Blue 92: statistical optimization, microtoxicity, kinetics, and energetic. *Journal of Environmental Health Science & Engineering*. (2015) 13:31.
  - 40- **Forootanfar H.**, Amirpour-Rostami S., Jafari M., Forootanfar A., Yousefizadeh Z., Shakibaie M., Microbial-assisted synthesis and evaluation the cytotoxic effect of tellurium nanorods. *Materials Science and Engineering: C*. (2015) 49: 183-189.
  - 41- Rahmani K., Faramarzi MA., Mahvi AH., Gholami M., Esrafil A., **Forootanfar H.**, Farzadkia M., Elimination and detoxification of sulfathiazole and sulfamethoxazole assisted by laccase immobilized on porous silica beads. *International Biodeterioration & Biodegradation* (2015) 97: 107-114.
  - 42- Khoobi M., Motevalizadeh SF., Asadgol Z., **Forootanfar H.**, Shafiee A., Faramarzi MA., Polyethyleneimine-modified superparamagnetic Fe<sub>3</sub>O<sub>4</sub> nanoparticles for lipase immobilization: Characterization and application. *Materials Chemistry and Physics* (2015) 149-150: 77-86.
  - 43- Shakibaie M., **Forootanfar H.**, Golkari Y., Mohammadi-Khorsand T., Shakibaie MR. Antibiofilm 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.
  - 44- Asadgol Z., **Forootanfar H.**, Rezaei S., Amir Hossein Mahvi A.H., Faramarzi M.A. Removal of phenol and bisphenol-A catalyzed by laccase in aqueous solution. *Journal of Environmental Health Science & Engineering* (2014) 12:93.
  - 45- Shakibaie M., Haghiri M., Jafari M., Amirpour-Rostami S., Ameri A., **Forootanfar H.**, Mehrabani M. Preparation and evaluation the effect of Fe<sub>3</sub>O<sub>4</sub>@piroctone olamine magnetic nanoparticles on matrix metalloproteinase-2: a preliminary *in vitro* study. *Biotechnology and Applied Biochemistry* (2014) 61: 676-682.
  - 46- Khoobi M., Motevalizadeh S.F., Asadgol Z., **Forootanfar H.**, Shafiee A., Faramarzi M.A. Synthesis of functionalized polyethylenimine-grafted mesoporous silica spheres and the effect of side arms on lipase immobilization and application. *Biochemical Engineering Journal* (2014) 88: 131-141.
  - 47- Ghotaslou R., Aghazadeh M., Ahangarzadeh Rezaee M., Moshafi M.H., **Forootanfar H.**, Hojabri Z., Saffari F. The prevalence of aminoglycoside-modifying enzymes among coagulase negative staphylococci in Iranian pediatric patients. *Journal of Infection Chemotherapy* (2014) 20: 569-573.
  - 48- Ramazani A., Khoobi M., Torkaman A., Zeinali Nasrabadi F., **Forootanfar H.**, Shakibaie M., Jafari M., Ameri A., Emami S., Faramarzi M.A., Foroumadi A., Shafiee A., 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* (2014) 78: 151-156.
  - 49- **Forootanfar H.**, Adeli-Sardou, M., Nikkhoo, M., Mehrabani, M., Amir-heidari B., Shahverdi A.R., Shakibaie, M., Antioxidant and cytotoxic effect of biologically synthesized selenium nanoparticles in comparison to selenium dioxide. *Journal of Trace Elements in Medicine and Biology*. (2014): 75-79.



- 50- Mirzadeh, S-S., Khezri, S-M., Rezaei, S., **Forootanfar, H.**, Mahvi, A.H., Faramarzi, M.A., Decolorization of two synthetic dyes using the purified laccase of *Paraconiothyrium variabile* immobilized on porous silica beads. *Journal of Environmental Health Science & Engineering* (2014) 12:6.
- 51- **Forootanfar, H.**, Zare, B., Fasihi-Bam, H., Amirpour-Rostami, S., Ameri, A., Shakibaie, M., Torabi Nami, M., Biosynthesis and Characterization of Selenium Nanoparticles Produced by Terrestrial Actinomycete *Streptomyces microflavus* Strain FSHJ31. *Research and Reviews: Journal of Microbiology and Biotechnology* (2014) 3: 47-53.
- 52- Ashrafi, S.D., Rezaei, S., **Forootanfar, H.**, Amir Hossein Mahvi, A.H., Faramarzi, M.A., The enzymatic decolorization and detoxification of synthetic dyes by the laccase from a soil-isolated ascomycete, *Paraconiothyrium variabile*. *International Biodeterioration & Biodegradation* (2013) 85: 173-181.
- 53- Bahri-Kazempour, Z., Abdi, K., Shakibaie, M., **Forootanfar, H.**, Attar, H., Shahverdi, A.R., Synthesis and antibacterial activity of a Fe<sub>3</sub>O<sub>4</sub>-AgCl nanocomposite against *Escherichia coli*. *Toxicological & Environmental, Chemistry* (2013) 95: 118-126.
- 54- **Forootanfar, H.**, Shakibaie, M., Bagherzadeh, Z., Aghaie-Khouzani, M., Nafissi-Varcheh, N., Monsef- Esfahani, H.R., Faramarzi, M.A. Removal of p-chlorophenol in aqueous culture with free and alginate immobilized cells of the microalga *Tetraselmis suecica*. *Journal of Applied Phycology*. (2013) 25: 51-57.
- 55- Ostadhadi-Dehkordi, S., Tabatabaei-Sameni, M., **Forootanfar, H.**, Kolahdouz, S., Ghazi-Khansari, M., Faramarzi, M.A. Degradation of some benzodiazepines by a laccase-mediated system in aqueous solution. *Bioresource Technology*. (2012) 125: 344-347.
- 56- Hasan-Beikdashti, M., **Forootanfar, H.**, Safiarian, S., Ameri, A., Ghahremani, M.H., Khoshayand, M.R., Faramarzi, M.A. Optimization of culture conditions for production of lipase by a newly isolated bacterium *Stenotrophomonas maltophilia*. *Journal of the Taiwan Institute of Chemical Engineers*. (2012) 43: 670-677.
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**Interests:**

Swimming, Movie

**References:**

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