



Kerman University
of Medical Sciences

Curriculum Vitae
Hamid Forootanfar (Pharm. D., Ph.D.)
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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: 36

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, 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 *Hibiscus 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- 2022)
- Main Member of Pharmaceutical Biotechnology Board (2019-present).
- Dean of Faculty of Pharmacy, Kerman University of Medical Sciences, Kerman, Iran (2022-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. Satarzadeh N, Shakibaie M, **Forootanfar H**, Amirheidari B. Purification, Characterization, and Assessment of Anticancer Activity of Iron Oxide Nanoparticles Biosynthesized by Novel Thermophilic *Bacillus tequilensis* ASFS1. Journal of Basic Microbiology. 2024. DOI: 10.1002/jobm.202400153.
2. Sadeghi Dousari A, Shakibaie M, Hosseini Nave H, **Forootanfar H**. Effect of biogenic bismuth nanoparticle on the expression of New Delhi metallo- β -lactamase (NDM) gene in Multidrug-Resistant *Klebsiella pneumoniae*. Heliyon. 2024. DOI:10.1016/j.heliyon.2024.e32549.
3. Ataollahi F, Amirheidari B, Ahmadinejad M, Khoshnam Z, Shakibaie M, **Forootanfar H**, Nooshadokht M, Shabani M, Ramezani Nejad M, Khodabakhshi A, Amirheidari Z. Bedsore Healing Using Selenium-Enriched *Lactobacillus brevis* LSe: A Randomized, Double-Blind, Controlled Clinical Trial. Biological Trace Element Research 2024, DOI: 10.1007/s12011-024-04233-1.
4. Afroozandeh Z, Rashidi Ranjbar P, Khoobi M, **Forootanfar H**, Ameri A, Foroumadi A. New Berberine Conjugates with Self-Assembly and Improved Antioxidant/Neuroprotection Properties: Effect of the Anchored Part on CMC, Shape and Size of the Nanomicelles. Journal of Cluster Science (2024) DOI: 10.1007/s10876-024-02581-5.
5. Banazadeh M, Abiri A, Poortaheri MM, Asnaashari L, Langerizadeh MA, **Forootanfar H**. Unexplored power of CRISPR-Cas9 in neuroscience, a multi-OMICS review. International Journal of Biological Macromolecules. 2024. DOI: 10.1016/j.ijbiomac.2024.130413.
6. Ameri A, Khazaeli P, Behnam B, Mehrabani M, **Forootanfar H**. Formulation and optimization of phytosomes of ethanolic extract of *Viola tricolor* flowers using design of experiment (DOE) to evaluate in vitro photoprotective potential as sunscreen cream. Industrial Crops and Products. 2024 (209) 118057.
7. Azmi A, Mojtavavi S, Fakhrmousavi SAA, Faizi M, **Forootanfar H**, Samadi N, Faramarzi MA. Surface functionalization of endotracheal tubes coated with laccase–gadolinium phosphate hybrid nanoparticles for antibiofilm activity and contrasting properties. Biomaterial Sciences. 2024. DOI: 10.1039/d3bm01406a.
8. Shakibaie M, Faraji M, Ranjbar M, Adeli-Sardou M, Jabari-Morouei F, Riahi-Madvar S, **Forootanfar H**. Preparation of Folic acid@Arsenic nanoparticles and evaluation of their antioxidant properties and cytotoxic effects. Pharmaceutical Nanotechnology. 12 (2024) 45-55.
9. Doostmohammadi M, Niknezhad SV, **Forootanfar H**, Ghasemi Y, Jafari E, Adeli-Sardou M, Amirsadeghi A, Ameri A. Development of Ag NPs/allantoin loaded PCL/GEL electrospun nanofibers for topical wound treatment. Journal of Biomaterials Applications. 2023 (38) 692–706.
10. Langerizadeh MA, Ameri A, Ranjbar Tavakoli M, Abiri A, **Forootanfar H**. The trimethoxyphenyl (TMP) functional group: a versatile pharmacophore. Medicinal Chemistry Research. 2023 (32) 2473–2500.
11. Gharai S, Ohadi M, Hassanshahian M, Shakibaie M, Shahriary P, **Forootanfar H**. Glycolipopeptide biosurfactant from *Bacillus pumilus* SG: physicochemical characterization, optimization, antibiofilm and antimicrobial activity evaluation. 3 Biotech. 13, 2023. DOI:10.1007/s13205-023-03728-3.

12. Ameri A, Faramarzi MA, Tarighi S, Shakibaie M, Ameri A, Ramezani-Sarbandi A, **Forootanfar H**. Removal of dyes by *Trametes versicolor* laccase immobilized on NaY-zeolite. Chemical Engineering Research and Design. 2023 (197) 240-253.
13. Shahsavani Y, Ohadi M, Dehghannoudeh G, Naghipour A, **Forootanfar H**, Hashemipour M. Effectiveness of biosurfactant lipopeptide adhesive mucus paste on the healing process of oral wounds: a randomized controlled trial. Wounds: A Compendium of Clinical Research and Practice. 2023 (35) E178-E185.
14. Moslemi Mehni A, Rahnamaeian M, Hassanzadeh N, **Forootanfar H**. *Pseudomonas tolaasii*, the causal agent of mushroom brown blotch, is susceptible to insect cecropins. Journal of Plant Pathology. 2023. DOI: 10.1007/s42161-023-01373-6.
15. Langarizadeh MA, Salary A, Ranjbar Tavakoli M, Ghorbani Nejad B, Fadaei S, Jahani Z, **Forootanfar H**. An overview of the history, current strategies, and potential future treatment approaches in erectile dysfunction: A comprehensive review. Sexual Medicine Reviews. 2023. DOI: 10.1093/sxmrev/qead014.
16. Ohadi M, **Forootanfar H**, Dehghannoudeh N, Banat IM, Dehghannoudeh G. The role of surfactants and biosurfactants in the wound healing process: A review. Journal of Wound Care 32 (2023) DOI: 10.12968/jowc.2023.32.Sup4a.xxxix.
17. Abadi B, Khazaeli P, **Forootanfar H**, Ranjbar M, Ahmadi-Zeidabadi M, Nokhodchi A, Ameri A, Adeli-Sardou M, Amirinejad M. Chitosan-sialic acid nanoparticles of selenium: Statistical optimization of production, characterization, and assessment of cytotoxic effects against two human glioblastoma cell lines. International Journal of Pharmaceutics. 637 (2023) 122884.
18. Satarzadeh N, Sadeghi Dousari A, Amirheidari B, Shakibaie M, Ramezani Sarbandi A, **Hamid Forootanfar H**. An insight into biofabrication of selenium nanostructures and their biomedical application. 3 Biotech (2023) 13:79.
19. Abadi B, Goshtasbi N, Bolourian S, Tahsili J, Adeli-Sardou M, **Forootanfar H**. Electrospun hybrid nanofibers: Fabrication, characterization, and biomedical applications. Front. Bioeng. Biotechnol. 2022. DOI: 10.3389/fbioe.2022.986975.
20. Adeli-Sardou M, Shakibaie M, **Forootanfar H**, Jabari-Morouei F, Riahi-Madvar S, Ghafari-Shahrbabaki S, Mehrabani M. Cytotoxicity and anti-biofilm activities of biogenic cadmium nanoparticles and cadmium nitrate: a preliminary study. World Journal of Microbiology and Biotechnology. 2022, 38, 246. DOI: 10.1007/s11274-022-03418-x.
21. Mojtavavi S, Hervé M, **Forootanfar H**, Jafari-Nodoushan H, Sharifian G, Samadi N, Ameri A, Faramarzi MA. A survey on the stabilizing effect of osmolytes on the ultrasound-irradiated lipase for efficient enzymatic hydrolysis of coconut oil. Colloids and Surfaces B: Biointerfaces. 220, 2022, 112910.
22. Sadeghi Dousari A, Satarzadeh N, Amirheidari B, **Forootanfar H**. Medicinal and Therapeutic Properties of Ephedra. Brazilian Journal of Pharmacognosy. 2022, 32, 883-899. doi: 10.1007/s43450-022-00304-3.
23. Hamzehnejadi M, Ranjbar Tavakoli M, Homayouni F, Jahani Z, Rezaei M, Langarizadeh MA, **Forootanfar H**. Prostaglandins as a Topical Therapy for Erectile Dysfunction: A Comprehensive Review. Sex Med Rev. 2022; 10:764–781.
24. Babaei E, Küçükkılınç T, **Forootanfar H**, et al. Novel Coumarin–Pyridine Hybrids as Potent Multi-Target Directed Ligands Aiming at Symptoms of Alzheimer’s Disease. Frontiers in Chemistry. 2022. 10, 895483. DOI: 10.3389/fchem.2022.895483.
25. Satarzadeh N, Shakibaie M, Adeli-Sardou M, Jabari-Morouei M, **Forootanfar H**, Sadeghi-Dousari A. Facile Microwave-Assisted Biosynthesis of Arsenic Nanoparticles and Evaluation their Antioxidant Properties and Cytotoxic Effects: A Preliminary in Vitro Study. Journal of Cluster Science. 2022, DOI: 10.1007/s10876-022-02356-w.
26. Abadi B, Hosseinalipour S, Nikzad S, Pourshaikhali S, Fatahalipour H, Shafiei G, Adeli-Sardou M, Shakibaie M, **Forootanfar H**. Capping Agents for Selenium Nanoparticles in Biomedical Applications.

27. Ameri A, **Forootanfar H**, Ranjbar M, Ameri A, Shakibaie M, Pourshikhali S, Moshafi MH. Statistical optimization of process conditions for pyruvium pamoate elimination using UV/zeolite-based nanostructures/H₂O₂. *Micro & Nano Letters*. 2022. 17, 216-225. DOI: 10.1049/mna2.12126.
28. Abadi B, Aarabi Jeshvaghani H, Fathalipour H, Dehghan L, Rahimi Sirjani K, **Forootanfar H**. Therapeutic Strategies in the Fight against COVID-19: From Bench to Bedside. 2022. 47, 517-532. DOI: 10.30476/ijms.2021.92662.2396.
29. Hamzehnejadi M, Ranjbar Tavakoli M, Abiri A, Ghasempour A, Langarizadeh MA, **Forootanfar H**. A Review on Phosphodiesterase-5 Inhibitors as a Topical Therapy for Erectile Dysfunction. *Sexual Medicine Reviews*. 2022. 10, 376-391. DOI: 10.1016/j.sxmr.2022.02.002.
30. Mehrasa M, Doostmohammadi M, **Forootanfar H**, Amini S, Davari N, Salehi H, Amirpour N. Silica Nano particles embedded in random and aligned PLGA/gelatin electrospun nano fibers improve growth and differentiation of human adipose-derived stem cells into anterior neuroectodermal cells. *Materials Today Communications*. 2022. 31, 103461. DOI: 10.1016/j.mtcomm.2022.103461.
31. Pourabdi L, Tüylü Küçükkılınç T, Khoshtale F, Ayazgök B, Nadri H, Farokhi Alashti F, **Forootanfar H**, Akbari T, Shafiei M, Foroumadi A, Sharifzadeh M, Shafiee Ardestani M, Saeed Abaee M, Firoozpour L, Khoobi M, Mojtahedi MM. Synthesis of New 3-Arylcoumarins Bearing N-Benzyl Triazole Moiety: Dual Lipooxygenase and Butyrylcholinesterase Inhibitors with Anti-Amyloid Aggregation and Neuroprotective Properties Against Alzheimer's Disease. *Frontiers in Chemistry*. 2022, 9, 810233. DOI: 10.3389/fchem.2021.810233.
32. Alizadeh-Bahaabadi G, Lakzadeh L, **Forootanfar H**, Akhavan HR. Optimization of gluten-free bread production with low aflatoxin level based on quinoa flour containing xanthan gum and laccase enzyme. *International Journal of Biological Macromolecules*. 200 (2022) 61-76.
33. Sadeghi Dousari A, Talebi Bazmin Abadi A, **Forootanfar H**, Shakibaie M. Biosynthesis of bismuth nanoparticles and its synergistic effect with antibiotics against *Escherichia coli* and *Klebsiella pneumoniae*. *Pathobiology Research*. 25 (2022) 23-32.
34. Ameri A, Asadi F, Shakibaie M, Ameri A, **Forootanfar H**, Ranjbar M. Hydroxyapatite/Glycyrrhizin/Lithium-Based Metal–Organic Framework (HA/GL/Li-MOF) Nanocomposite as Support for Immobilization of *Thermomyces lanuginosus* Lipase. *Applied Biochemistry and Biotechnology*. 2022, 194, 2108–2134. DOI: 10.1007/s12010-022-03800-3.
35. Gharaei S, Ohadi M, Hassanshahian M, Porsheikhali S, **Forootanfar H**. Isolation, Optimization, and Structural Characterization of Glycolipid Biosurfactant Produced by Marine Isolate *Shewanella algae* B12 and Evaluation of Its Antimicrobial and Anti-biofilm Activity. *Applied Biochemistry and Biotechnology*. 2022, 194, 1755–1774. DOI: 10.1007/s12010-021-03782-8.
36. Shakibaie M, Torabi-Shamsabad R, **Forootanfar H**, Amiri-Moghadam P, Amirheidari B, Adeli-Sardou M, Ameri A. Rapid microwave-assisted biosynthesis of platinum nanoparticles and evaluation of their antioxidant properties and cytotoxic effects against MCF-7 and A549 cell lines. *3 Biotech*. 11 (2021) 511. DOI: 10.1007/s13205-021-03007-z.
37. Afsharipour S, Asadi A, Ohadi M, Ranjbar M, **Forootanfar H**, Jafari E, Dehghannoudeh G. Preparation and Characterization of Nano-Lipopeptide Biosurfactant Hydrogel and Evaluation of Wound-Healing Properties. *BioNanoScience*, 11 (2021) 1061–1069.
38. Fathalipour-Rayeni H, **Forootanfar H**, Khazaeli P, Mehrabani M, Rahimi H-R, Shakibaie M, Jafari E, Doostmohammadi M, Sajadi Bami M, Adeli-Sardou M, Shaghooei PM, Ohadi M. Evaluation of antioxidant potential of *Heliotropium bacciferum* Forssk extract and wound healing activity of its topical formulation in rat. *Annales Pharmaceutiques Françaises*. 80 (2022) 280-290. DOI: 10.1016/j.pharma.2021.09.005.
39. 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*, 58 (2021) 2761–2772.

40. Shakibaie M, Riahi-Madvar S, Ameri A, Amiri-Moghadam P, Adeli-Sardou M, **Forootanfar H**, Microwave assisted biosynthesis of cadmium nanoparticles: characterization, antioxidant and cytotoxicity studies. *Journal of Cluster Science*. 33 (2022) 1877-1887, DOI: <https://doi.org/10.1007/s10876-021-02107-3>.
41. Ameri A, **Forootanfar H**, Behnam B, Shakibaie M, Ameri A, Daneshpajoo M, Najafi A, Amirheidari B. Optimization of immobilization of *Pseudomonas cepacia* lipase on multiwalled carbon nanotubes unfunctionalized with glycyrrhizin and Tween 80. *3 Biotech*. 11, 260, 2021. DOI: 10.1007/s13205-021-02813-9
42. Ameri A, Taghizadeh T, Talebian-Kiakalaieh A, **Forootanfar H**, Mojtavavi S, Jahandar H, Tarighi S, Faramarzi MA. Bio-removal of phenol by the immobilized laccase on the fabricated parent and hierarchical NaY and ZSM-5 zeolites. *Journal of the Taiwan Institute of Chemical Engineers*. 120 (2021) 300-312.
43. Abdpour S, Jalili-Baleh L, Nadri H, **Forootanfar H**, Abbas Bukhari SN, Ramazani A, Sadat Ebrahimi SE, Foroumadi A, Khoobi M. Chromone Derivatives Bearing Pyridinium Moiety as Multi-Target-Directed Ligands against Alzheimer's disease. *Bioorganic Chemistry*. 110 (2021) 104750.
44. Doostmohammadi M, **Forootanfar H**, Shakibaie M, Torkzadeh-Mahani M, Rahimi HR, Jafari E, Ameri A, Ameri A. Polycaprolactone/gelatin electrospun nanofibres containing biologically produced tellurium nanoparticles as a potential wound dressing scaffold: Physicochemical, mechanical, and biological characterization. *IET Nanobiotechnology*. 15 (2021) 277-290.
45. Doostmohammadi M, **Forootanfar H**, Shakibaie M, Torkzadeh-Mahani M, Rahimi HR, Jafari E, Ameri A, Amirheidari B. Bioactive anti-oxidative polycaprolactone/gelatin electrospun nanofibers containing selenium nanoparticles/vitamin E for wound dressing applications. *Journal of Biomaterials Applications*. 36 (2021) 193-209. DOI:10.1177/08853282211001359.
46. Mehrabani M, Esmaeili-Tarzi M, **Forootanfar H**, Nematollahi MH, Banat IM, Ohadi M, Dehghannoudeh G. Lipopeptide Biosurfactant from *Acinetobacter junii* B6: A Promising Natural Surfactant for Promoting Angiogenesis. *International Journal of Peptide Research and Therapeutics*. 27 (2021) 1197-1203.
47. Jalili-Baleh L, Nadri H, **Forootanfar H**, Tüylü Küçükkılınç 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.
48. 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.
49. 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.
50. 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 Jdnal of Natural Pharmaceutical Products*. 2020 November; 15 (2020) e96798.
51. 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.

52. 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.
53. 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.
54. 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.
55. 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 Trace Element Research, 197 (2020) 132-140.
56. 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.
57. 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.
58. 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.
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143. Seventy-eight 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