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EDUCATION

1996-2001: PhD Radiopharmacy, School of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran.

1983-1988: Pharm.D. School of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran.

EXPERIENCES

2020-present: Full Professor, School of Pharmacy, Shahid Beheshti University of Medical Sciences, Tehran, Iran.

2013-2020: Associate Professor, School of Pharmacy, Shahid Beheshti University of Medical Sciences, Tehran, Iran.

2009-2013: Assistant Professor, School of Pharmacy, Shahid Beheshti University of Medical Sciences, Tehran, Iran.

2006-2008: Research Associate, Oncologic Imaging, Edmonton PET Centre, Cross Cancer Institute, Edmonton, Canada.

2004-2006: Research Associate, School of Pharmacy, University of Alberta, Edmonton, Canada.

2001-2004: Assistant Professor, School of Pharmacy, Shahid Beheshti University of Medical Sciences, Tehran, Iran.

1992-2001: Lecturer, School of Pharmacy, Shahid Beheshti University of Medical Sciences, Tehran, Iran.

1988-1992 : Pharmacy Manager, In charge of Technical affairs

PUBLICATIONS

- 1- Dara Hatamabadi, Safura Joukar, Pegah Shakeri, Saeed Balalaie, Abdolreza Yazdani, Mona Khoramjouy, Seyed Mohammad Mazidi, Farzad Kobarfard, Mona Mosayebnia, Negar Bozorgchami, Mahnaz Ahmadi, Seyed Mohammad Ayyoubzadeh, Soraya Shahhosseini. Synthesis and Radiolabeling of EUK with ^{99m}Tc -Tricarbonyl-Imidazole-BPS Chelation-System and Biological Evaluation as PSMA-Inhibitor. *Cancer biotherapy and radiopharmaceuticals*. 2023; 38(7):486-496. . DOI: 10.1089/cbr.2023.0024
- 2- Elmira Javani , Mohammadsaeed Kordi, Sepideh Khoshbakht, Salimeh Amidi, Soraya Shahhosseini. Synthesis, Radiolabeling and Stability Studies of Peptide HYNICLIKKP-Pyr-F with ^{99m}Tc as an Apoptosis Imaging Agent. *TPPS, Volume 7 (2022)*: e8
- 3- Safura Joukara, Negar Bozorgchami, Dara Hatamabadi, Abdolreza Yazdani, Elham Mohit, Elmira Javani , Mohammadsaeed Kordi, Sepideh Khoshbakht, Soraya Shahhosseini. In-house Optimization Radiolabeling of Recombinant scFv with ^{99m}Tc -Tricarbonyl and Stability Studies. *TPPS, Volume 7 (2022)*: e10.
- 4- Mahnaz Ahmadi, Mona Khoramjouy, Simin Dadashzadeh, Elham Asadian, Mona Mosayebnia, Parham Geramifar, Soraya Shahhosseini, Fatemeh Ghorbani-Bidkorpeh, Pharmacokinetics and biodistribution studies of [^{99m}Tc]-Labeled ZIF-8 nanoparticles to pave the way for image-guided drug delivery and theranostics. *Journal of Drug Delivery Science and Technology* 81 (2023) 104249.
- 5- Nahid Ahmadi, Soraya Shahhosseini, Farshad H Shirazi, Golrokh Farnam and Afshin Zarghi. Synthesis, Structural Characterization, and Cytotoxic Activity of New Benzo[d]imidazo[2,1-b]thiazole Derivatives Against MCF-7 Breast Cancer Cells. *Iranian Journal of Pharmaceutical Research*. 2022 December. e127041.
- 6- Mona Khoramjouy, Naeime Zarepishe, Elham Rezaee, Ali Imani, Rojin Mahmoudzadeh-mandolakani, Seyedali Hashemi, Moones Fallah, Golnar Hasheminasab, Soraya Shahhosseini, Sayyed Abbas Tabatabai and Mehrdad Faizi. Novel Derivatives of diphenyl-1,3,4-oxadiazol as Ligands of Benzodiazepine Receptors; Synthesize, Binding Assay and Pharmacological Evaluation. *Iranian Journal of Pharmaceutical Research* (2021), 20 (4): 47-58. DOI: 10.22037/ijpr.2021.115549.15429.
- 7- Saba Soltaninasab, Maryam Ahmadzadeh, Soraya Shahhosseini, Elham Mohit. Evaluating the efficacy of immobilized metal affinity chromatography

- (IMAC) for host cell protein (HCP) removal from anti-HER2 scFv expressed in *Escherichia coli*. *Protein Expression and Purification* 190 (2022) 106004.
- 8- Majid Nami, Peyman Salehi, Morteza Bararjanian, Nazanin Seighal Delshad, Bahareh Heidari, Mona Khoramjouy, Soraya Shahhosseini, Mehrdad Faizi. Novel norsufentanil analogues containing triazole ring; synthesis, radioligand binding assay, and pharmacological evaluation. *Medicinal Chemistry Research*, 2022: 1-8.
 - 9- Noushin Bolourchian, Mona Nili, Soraya Shahhosseini, Ali Nokhodchi, Seyed Mohsen Foroutan. Crystallization of meloxicam in the presence of hydrophilic additives to tailor its physicochemical and pharmaceutical properties. *Journal of Drug Delivery Science and Technology* 66 (2021) 102926.
 - 10- Anton Amadeus Hörmann, Maximilian Klingler, Maliheh Rezaeianpour, Nikolas Hörmann, Ronald Gust, Soraya Shahhosseini, and Elisabeth von Guggenberg. Initial In Vitro and In Vivo Evaluation of a Novel CCK2R Targeting Peptide Analog Labeled with Lutetium-177. *Molecules*. 2020. *Molecules* 2020, 25, 4585; doi:10.3390/molecules25194585
 - 11- Mahnaz Ahmadi, Seyed Mohammad Ayyoubzadeh, Fatemeh Ghorbani-Bidkorpbeh, Soraya Shahhosseini, Simin Dadashzadeh, Elham Asadian, Mona Mosayebnia, Saeed Siavashy. An investigation of affecting factors on MOF characteristics for biomedical applications: A systematic review. *Heliyon*. 2021. <https://doi.org/10.1016/j.heliyon.2021.e06914>
 - 12- Mona Khoramjouy, Fatemeh Ahmadi, Mehrdad Faizi, Soraya Shahhosseini. Optimization binding studies of opioid receptors, saturation and competition, using [3H]-DAMGO. *Pharmacological reports. Pharmacological Reports*, 73(5), 1390-1395. DOI:10.1007/s43440-021-00265-9.
 - 13- Mona Khoramjouy, Elham Rezaee, Afshan Khoshnevis, Maryam Nazari, Manijeh Nematpour, Soraya Shahhosseini, Sayyed Abbas Tabatabai, Mehrdad Faizi. Synthesis of 4,6-diphenylpyrimidin-2-ol derivatives as new benzodiazepine receptor ligands. *Bioorganic Chemistry*. 109 (2021) 104737.
 - 14- Latifeh Navidpour, shahnam Shabani, Alireza Heidari, Manouchehr Bashiri, azadeh Ebranim-Habibi, Soraya Shahhosseini, Hamed Shafaroodi, Seyed Abbas Tabatabai, Mahsa Toolabi. 5-[Aryloxy-pyridyl (or nitrophenyl)]-4H-1,2,4-triazoles as Novel Flexible Benzodiazepine Analogues: Synthesis, Receptor Binding Affinity and Lipophilicity-dependent Anti-seizure Onset of Action. *Bioorganic chemistry*. 2020; DOI:10.1016/j.bioorg.2020.104504
 - 15- Mahsa Toolabi, Mona Khoramjouy, Ayoub Aghcheli, Adileh Ayati, Setareh Moghimi, Lohman Firoozpour, Soraya Shahhosseini, Rouhollah Shojaei, Ali Asadipour, Kouros

- Divsalar, Mehrdad Faizi, Alireza Foroumadi. Synthesis and radioligand binding assay of 2,5-disubstituted thiadiazoles and evaluation of their anticonvulsant activities. *DPhG ARCHPHARM*. DOI:10.1002/ardp.202000066.
- 16- Mona Mosayebnia, Maliheh Hajiramezanali, Soraya Shahhosseini. Radiolabeled peptides for molecular imaging of apoptosis. *Current Medicinal Chemistry*. 2020; 27:1-26.
- 17- Fatemeh Mehryab, Shahram Rabbani, Soraya Shahhosseini, Faezeh Shekari, Yousef Fatahi, Hossein Baharvand, Azadeh Haeri. Exosomes as a next-generation drug delivery system: An update on drug loading approaches, characterization, and clinical application challenges, *Acta Biomaterialia*. 2020; 113: 42-62.
- 18- Mona Mosayebnia, Zahra Hajimahdi, Davood Beiki, Sedigheh Rezaeianpour, Maliheh Hajiramezanali, Pedram Geramifar, Omid Sabzevari, Mohsen Amini, Dara Hatamabadi, Soraya Shahhosseini*. Design, synthesis, radiolabeling and biological evaluation of new urea-based peptides targeting prostate specific membrane antigen. *Bioorganic Chemistry*. 2020. doi: <https://doi.org/10.1016/j.bioorg.2020.103743>.
- 19- Reza Mohammadi, Bahareh Shokri, Danial Shamshirian, Afshin Zarghi, Soraya Shahhosseini. Synthesis and Biological evaluation of RGD conjugated with Ketoprofen/Naproxen and radiolabeled with [^{99m}Tc] via N4(GGAG) for $\alpha_v\beta_3$ integrin-targeted drug delivery. *DJPS*. 2019. DOI: [10.1007/s40199-019-00318-8](https://doi.org/10.1007/s40199-019-00318-8).
- 20- Bahareh Shokri, Afshin Zarghi, Soraya Shahhosseini, Farzad Kobarfard. Design, synthesis and biological evaluation of peptide-NSAID conjugation for targeted cancer therapy. *DPhG ARCHPHARM*. 2019; e1800379.
- 21- Rezaeianpour S, Mosayebnia M, Moghimi SA, Amidi S, Geramifar P, Kobarfard F, Shahhosseini S. [¹⁸F]FDG-labeled CGPRPPC peptide serving as a small thrombotic lesions probe including a comparison with [^{99m}Tc]-labeled form. *Cancer Biotherapy and Radiopharmaceuticals* 2019; DOI: 10.1089/cbr.2018.2515.
- 22- Mahsa Azami Movadeh, Bahram Daraei, Soraya Shahhosseini, Marjan Esfahanizadeh, Afshin Zarghi. Design, synthesis and biological evaluation of new pyrazino[1,2-a]benzimidazole derivatives as selective cyclooxygenase (COX-2) inhibitors. *DPhG ARCHPHARM*. 2019; 352(2):e1800256.
- 23- Sepideh Khoshbakht, Davood Beiki, Pedram Geramifar, Farzad Kobarfard, Omid Sabzevari, Mohsen Amini, Noushin Bolourchian, Danial Shamshirian, Soraya Shahhosseini. Design, synthesis, radiolabeling, and biological evaluation of three 18f-FDG-radiolabeled targeting peptides for the imaging of apoptosis. *Cancer Biotherapy and Radiopharmaceuticals*. 2019, DOI: 10.1089/cbr.2018.2709.
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