

PERSONAL INFORMATION

Date of birth: 7.9.1984

Current position: Assistant professor of medicinal chemistry

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Address: Faculty of Pharmacy, Alborz University of Medical Sciences, Karaj, Iran

EDUCATION

Shaheed Beheshti University of Medical Sciences, Tehran, Iran

PhD of Medicinal Chemistry, 2007 -2013

Thesis on Molecular modelling, Design, Synthesis and Biological evaluation as histone deacetylase inhibition of novel aryl hydroxamic acid derivatives and their QSAR studies

Tabriz University of Medical Sciences, Tabriz, Iran

Doctor of Pharmacy, 2002- 2007

Thesis on Estimation of drug solubility in water, PEG 400 and their binary mixtures using the molecular structures of solutes

WORK EXPERIENCE

- Consultant for NEGAHTEB Co. /Importing medications (2013 -Present)
- R & D specialist and consultant in Tehran Chiemi Pharmaceutical Company (2014-2015)
- Establisher ,starter and head of Alborz Central Pharmacy/Training and educational pharmacy of faculty (Sep 2015 –March 2018)
- Head of Hospital Pharmacies in Karaj/University's General and specific hospitals - Chain pharmacies (Sep 2015- Sep 2016)
- Vice President of Medicine & Narcotic Drugs in Food & Drug Administration (2015-2016)
- CEO and Co-Founder of Shafa Danesh Aria company-Knowledge based startup,API synthesiser.(July 2019-Present)
- Deputy head of Education in Alborz school of pharmacy.(Sep 2019-Dec 2023)
- Deputy head of Research in Alborz school of pharmacy.(Sep 2019-Dec 2023)
- Head of Medicinal chemistry & Pharmacognosy department (Feb 2022- April 2024)

- Assistant professor of Medicinal chemistry in Alborz school of pharmacy (Sep 2015 – Present)
- Health Thecnology Manager in Research & Thecnology Adminestration (Jan 2024-Mar 2025)

PUBLICATIONS

1. Taravat Ghafourian, Atefeh Haji Agha Bozorgi. Estimation of drug solubility in water, PEG 400 and their binary mixtures using the molecular structures of solutes. *European Journal of Pharmaceutical Sciences* 40 (2010).
2. Atefeh Hajiagha Bozorgi, Hamed Tabatabaei Ghomi, Abolghasem Jouyban. QSAR and pharmacophore studies of telomerase inhibitors. *Medicinal Chemistry Research* 21 (2011).
3. Atefeh Hajiagha Bozorgi, Mehdi Bagheri, Roshanak Aslebagh, Mansoreh Rajabi. A Structure–Activity Relationship Survey of Histone Deacetylase (HDAC) Inhibitors. *Chemometrics and Intelligent Laboratory Systems* 125 (2013).
4. Atefeh Hajiagha Bozorgi, Afshin Zarghi .Search for the pharmacophore of histone deacetylase inhibitors using pharmacophore query and docking study. *Iranian Journal of Pharmaceutical Research* (2014).
5. Fatemeh Keramatnia, Ali Shayanfar, Atefeh H. Bozorgi, Marjan Mottaghi & Abolghasem Joyban. Prediction of Drug Solubility Data in Polyethylene Glycols + Water Mixtures at Various Temperatures. *Latin American Journal of Pharmacy* (2015).
6. Sedigheh Rezaeianpour, Atefeh Hajiagha Bozorgi, Abolghasem Moghimi, Ameneh Almasi, Saeed Balalaie, Soror Ramezanpour, Sanaz Nasoohi, Seyed Mohammad Mazidi, Ahmad Bitarafan, Soraya Shahhosseini .Synthesis and biological evaluation (in vitro and in vivo) of ^{99m}Tc -HYNIC-GPRPP and cyclic ^{99m}Tc -HYNIC-CGPRPPC as fibrin binding peptides for molecular imaging of thrombosis. *Molecular Imaging and Biology* (2016).
7. Mehdi Mohammadzadeh, Seyyed Abolfazl Abolfazli, Farzad Peiravian and Atefeh Hajiagha Bozorgi. A mixed-method approach to investigation of influencing factors on prescription behavior of physicians in the choice of brands chemotherapy drugs. *African Journal of Pharmacy and Pharmacology*. (2016).
8. Atefeh Hajiagha Bozorgi, Samaneh Kakhki. A QSAR and Docking Study of Selective Estrogen Receptor Modulators (SERMs). *Journal of Pharmaceutics & Drug Delivery Research* (2017).
9. Sedigheh Rezaeianpour, Mona mossaeib nia, Atefeh Haji agha Bozorgi, Abolghasem Moghimi, Saeed Balalaie, Soraya Shahhosseini. Design, synthesis and radiolabelling of peptides for imaging of fibrin in thrombosis. *Iranian south medical journal*. (2018).
10. Sedigheh Rezaeianpour, Mona mossaeib nia, Atefeh Haji agha Bozorgi, Farzad Kobarfard, Soraya Shahhosseini. Docking, Synthesis, in-vitro evaluation and optimization of reaction conditions for direct radiolabelling of CGPRPPC with ^{99m}Tc via GAGG sequence. *Nuclear Medicine Communications*. (2018).
11. Mohammad Mahdi Ahmadian-Attari, Zahra Amrollahi, Paria Safavi Momeni, Zohreh Khodaii, Ali Bitab, Atefeh Hajiagha Bozorgi. Chemical constituents of donkey dung (Anbarnasara): questioning the recent claims of therapeutic effects. *International Journal of Enteric Pathogens*. (2019).
12. Sedigheh Rezaeianpour , Soraya Shahhosseini , Abolghasem Moghimi , Farzad Kobarfard , Atefeh Hajiagha Bozorgi. Newly Fibrin-binding Peptides: Design and

- Docking Study using HPEPDOCK server and Pep-composer. *International Journal of Pharma Sciences and Scientific Research*.(2019)
13. Fatemeh Bayat , Atefeh Hajiagha Bozorgi. Hollow Fiber-based Liquid-phase Microextraction and HPLC-UV Determination of Lovastatin in Biological Fluids. *Journal of Reports in Pharmaceutical Sciences*.(2020)
 14. Mona Mosayebnia, Atefeh Hajiagha Bozorgi, Maliheh Rezaeianpour & Farzad Kobarfard. In silico prediction of SARS-CoV-2 main protease and polymerase inhibitors: 3D-Pharmacophore modelling. *Journal of Biomolecular Structure and Dynamics*. (2021)
 15. Mohammad Mahdi Ahmadian-Attari , Leila Mohammad Taghizadeh Kashani , Atefeh Hajiagha Bozorgi . Searching Potential Molecules against SARS-CoV-2 from *Costus arabicus* L. Root Smoke: A Docking Study. *International Journal of Enteric Pathogens*.(2022)
 16. Atefeh Hajiagha Bozorgi, Fatemeh Samadi. A QSAR and Pharmacophore Survey on Tyrosine Kinase Inhibitors with Effect on Epidermal Growth Factor Receptor. *Current enzyme Inhibition*.(2023)
 17. Zahra Davarzani Fatemeh Famarini, Peyman Salehi, Bahareh Heidari, Morteza Bararjanian, Atefeh Hajiagha Bozorgi, Afsaneh Tavasoli. Synthesis of novel propargylated derivatives of noscipine using A³- coupling reaction and their anticancer properties. *Journal of the Iranian Chemical Society*.(2024)
 18. Amir Baghaei, Zahra Amrollahi, Zaynab Sadeghi-Ghadi, Marziyeh Amiri-Andebili, Atefeh Hajiagha Bozorgi, Maryam Jahandideh, Meysam Shirzad, Talat Ghane, Mohammad Mahdi Ahmadian-Attari. Formulation, standardization, and evaluation of the anti-colitis activity of Qur-e Gol, a Persian polyherbal formulation in acetic acid-induced colitis. *Traditional and Integrative Medicine*.(2025)

<https://scholar.google.com/citations?user=ue4-XNoAAAAJ&hl=en>

TEACHING EXPERIENCE

- Inorganic chemistry 1 (Theoretical & Laboratory skills)
- Inorganic chemistry 2 (Theoretical & Laboratory skills)
- General and basic chemistry (Theoretical & Laboratory skills)
- Analytical chemistry (Theoretical & Laboratory skills)
- Instrumental Analytical chemistry (Theoretical & Laboratory skills)
- Medicinal chemistry 1 & 2 & 3

PRESENTATIONS

- 10th Iranian Pharmacy Students Seminar, 2005, Shiraz, Iran-Poster presentation.
- 11th Iranian Pharmacy Students Seminar, 2006, Sari, Iran-Poster presentation.
- 11th Iranian Pharmaceutical Sciences Congress, 2008, Kerman, Iran- Poster presentation.
- 3rd World Congress & Expo on Pharmaceutics & Drug Delivery Systems ,2018, London,UK-Speaker.
- Fourth National Conference on Protein and Peptide Science,2019,Isfahan,Iran- Poster presentation.

- 12th Asian Federation for Medicinal Chemistry (AFMC) International Medicinal Chemistry Symposium (AFMC-AIMECS 2019), 2019, Istanbul, Turkey-Poster presentation.
- 3th International congress on pharmacy updates, 2020, Tehran, Iran- Invited Speaker
- Webinar on Biosimilar and Biologics 2020. Coalesce Research Group, Online session. 2020.
- 5th International congress on pharmacy updates, 2022, Tehran, Iran- Invited Speaker

Workshops

- Lecturer at Molecular Modelling and Docking workshop. Fall 2012. Shaheed Beheshti faculty of pharmacy.
- Lecturer at Excel workshop. Spring 2018. Alborz faculty of pharmacy.
- Lecturer at SPSS workshop. Autumn 2018. Alborz faculty of pharmacy.

Thesis Supervision

- Supervision of more than 30 thesis on QSAR and chemical synthesis

Honors & Awards

- Distinguished researcher in Alborz faculty of pharmacy (2017)
- Distinguished educational teacher in Alborz faculty of pharmacy (2022)
- Distinguished woman in the first festival of Educated woman in Alborz province (2023)
- Selected & distinguished technologist in Alborz province (2023)
- Selected & distinguished technologist in 29th Razi festival of research & innovation (2024)

Editorial Background

1. Associate Editor of Medicinal Chemistry Research (Med Chem Res)
2. Invited editor of Chemometrics and Intelligent Laboratory Systems
3. Peer reviewer of Bioinformatics and Biology Insights
4. Reviewer of Pharmaceutical Sciences (PS)
5. Invited editor of Iranian Journal of Pharmaceutical Research. (IJPR)
6. Reviewer of Research in Pharmaceutical Sciences
7. Editorial board member of Journal of Chemical Research and Application
8. Reviewer of Journal of the Iranian Chemical Society

MEMBERSHIP

- 1) Iranian Medical Council
- 2) Iranian Pharmacists' Association
- 3) Iranian Association of Pharma Management and Economics
- 4) The European Peptide Society
- 5) Evidence-based Phytotherapy and Complementary Medicine Research Center