

In the name of Allah



Full Name: Mohammad-Reza Saberi

Date and Place of Birth: 1969 Mashhad, Iran

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Educational Background:

1. Pharm D. in pharmacy from Mashhad School of Pharmacy, 1995
2. PhD in medicinal chemistry and bioinformatics from the University of Cardiff, UK, 2003

Workshops attended:

1. Research planning
2. Research ethics
3. Network security
4. Medical informatics
5. Fundamentals of network hardware
6. QS workshop on world university ranking

Academic positions:

1. Instructor in medicinal chemistry from 1995 to 1999
2. Assistant professor in medicinal chemistry and bioinformatics from 2003 to 2009
3. Associate professor in medicinal chemistry and bioinformatics from 2009 to now

Teaching Subjects:

1. Organic Chemistry (theoretical and experimental)
2. Analytical Chemistry (theoretical and experimental)
3. Medicinal Chemistry
4. Bioinformatics
5. Biochemistry
6. Protein Chemistry
7. Medical Informatics
8. Computer Fundamentals
9. Pharmacy Training

Presented Workshops:

1. Reference Management (Endnote & reference manager)
2. Computer in Pharmacy
3. Internet and electronic resources for pharmacists
4. Medicinal Chemistry for pharmacists

5. Docking in linux using AutoDock

Administration:

1. Pharmacy manager
2. Cultural Manager of the Pharmacy School
3. Manager of education office (Pharmacy School)
4. Library dean (Pharmacy School)
5. Computer department manager (Pharmacy School)
6. Member of Publication board (MUMS)
7. Member of research board (MUMS)
8. Member of MUMS board
9. IT Manager (MUMS)
10. Member of MUMS dean board

Awards:

1. Elected manager of Mashhad University of Medical Sciences 2008
2. National elected manager in health 2008

Research Interests:

Molecular modeling, Docking, SAR, QSAR, Protein Modeling, Bioinformatics, Medicinal chemistry, Design, Synthesis and biological evaluation of chemical compounds as drugs, Cancer drug design and evaluation, Drug delivery using nanotechnology methods and materials, design of molecular modeling software.

Publications:

1. Vahedian-Movahed, H., Saberi, M.R., and Chamani, J., *Comparison of binding interactions of lomefloxacin to serum albumin and serum transferrin by resonance rayleigh scattering and fluorescence quenching methods*. **Journal of Biomolecular Structure and Dynamics**, Accepted on Aug 11, 2010.
2. Tousi, S.H., Saberi, M.R., and Chamani, J., *Comparing the interaction of cyclophosphamide monohydrate to human serum albumin as opposed to holo-transferrin by spectroscopic and molecular modeling methods: Evidence for allocating the binding site*. **Protein Pept Lett**, 2010.
3. Seyedi, S.M., Eshghi, H., Jafari, Z., Attaran, N., Sadeghian, H., Saberi, M.R., and Riazi, M.M., *Design, synthesis and sar studies of 4-allyloxylaniline amides as potent 15-lipoxygenase inhibitors (vol 17, pg 1614, 2009)*. **Bioorganic & Medicinal Chemistry**, 2010. **18**(2): p. 986-986.
4. Sadeghian, H., Attaran, N., Jafari, Z., Saberi, M.R., Seyedi, S.M., Eshghi, H., Pordel, M., and Riazi, M.M., *Design and synthesis of 4-methoxyphenylacetic acid esters as 15-lipoxygenase inhibitors and sar comparative studies of them (vol 17, pg 2327, 2009)*. **Bioorganic & Medicinal Chemistry**, 2010. **18**(1): p. 462-462.
5. Saberi, M.R., hadizadeh, F., Imenshahidi, M., Shakeri, H., Ziail, T., Ghafuri, M.A., Sakhtianchi, R., Badian, Z., and Hajian, S., *Synthesis and anti-inflammatory activity of 4,5-diaryl-2-(2-alkylthio-5-imidazolyl)imidazole derivatives as selective cyclooxygenase (cox-2) inhibitors*. **Iranian Journal of Basic Medical Sciences**, Accepted in Agust, 2010.
6. Pourgonabadi, S., Saberi, M.R., and Chamani, J., *Investigating the antagonistic action between aspirin and tamoxifen with hsa: Identification of binding sites in binary and ternary drug-protein systems by spectroscopic and molecular modeling approaches*. **Submitted in Protein & Peptide Letters** 2010.

7. Nikpour, M., Sadeghian, H., Saberi, M.R., Nick, R.S., Seyedi, S.M., Hosseini, A., Parsaee, H., and Bozorg, A.T.D., *Design, synthesis and biological evaluation of 6-(benzyloxy)-4-methylquinolin-2(1h)-one derivatives as pde3 inhibitors. Bioorganic & Medicinal Chemistry*, 2010. **18**(2): p. 855-862.
8. Chamani, J., Vahedian-Movahed, H., and Saberi, M.R., *Changing the determinants of the interaction between human serum albumin and transferrin in the presence of lomefloxacin. Journal of Pharmaceutical Science and Biomedical Analysis*, **Submitted on 4 Sep, 2010**.
9. Chamani, J., Asoodeh, A., Homayoni-Tabrizi, M., Amiri Tehranizadeh, Z., Baratian, A., and Saberi, M., *Spectroscopic and nano-molecular modeling investigation on the binary and ternary bindings of colchicine and lomefloxacin to human serum albumin with the viewpoint of multi-drug therapy. Journal of Luminescence*, 2010.
10. Abbaszadegan, M.R., Hassani, S., Vakili, R., Saberi, M.R., Baradaran-Heravi, A., A'rabi, A., Razzaghi_Azar, M., and Baratian, A., *Novel mutation in cyp11b1 gene and its protein modeling in a patient with 11 β -hydroxylase deficiency in iran. Submitted in September, 2010*.
11. Seyedi, S.M., Jafari, Z., Attaran, N., Sadeghian, H., Saberi, M.R., and Riazi, M.M., *Design, synthesis and sar studies of 4-allyloxyaniline amides as potent 15-lipoxygenase inhibitors. Bioorganic & Medicinal Chemistry*, 2009. **17**(4): p. 1614-1622.
12. Sadeghian, H., Seyedi, S.M., Saberi, M.R., Nick, R.S., Hosseini, A., Bakavoli, M., Mansouri, S.M.T., and Parsaee, H., *Design, synthesis and pharmacological evaluation of 6-hydroxy-4-methylquinolin-2(1h)-one derivatives as inotropic agents. Journal of Enzyme Inhibition and Medicinal Chemistry*, 2009. **24**(4): p. 918-929.
13. Sadeghian, H., Attaran, N., Jafari, Z., Saberi, M.R., Pordel, M., and Riazi, M.M., *Design and synthesis of 4-methoxyphenylacetic acid esters as 15-lipoxygenase inhibitors and sar comparative studies of them. Bioorganic & Medicinal Chemistry*, 2009. **17**(6): p. 2327-2335.
14. Sadeghian, H., Seyedi, S.M., Saberi, M.R., Arghiani, Z., and Riazi, M., *Design and synthesis of eugenol derivatives, as potent 15-lipoxygenase inhibitors. Bioorganic & Medicinal Chemistry*, 2008. **16**(2): p. 890-901.
15. Razzazan, A., Saberi, M.R., and Jaafari, M.R., *Insights from the analysis of a predicted model of gp63 in leishmania donovani. Bioinformatics*, 2008. **3**(3): p. 114-8.
16. Ramezani, H., Saberi, M., and Mansoori, G., *Diamondoids and DNA nanotechnologies. International Journal of Nanoscience and Nanotechnology,(IJNN)*, 2008: p. 21.
17. Mansouri, S.M., Shafiee-Nick, R., Parsaee, H., Seyedi, S.M., Saberi, M.R., and Sadeghian, H., *Inotropic and chronotropic effects of 6-hydroxy-4-methylquinolin-2(1h)-one derivatives in isolated rat atria. Iran Biomed J*, 2008. **12**(2): p. 77-84.
18. Ramezani, H., Mansoori, G.A., and Saberi, M.R., *Diamondoids-DNA nanoarchitecture: From nanomodules design to self-assembly. Journal of Computational and Theoretical Nanoscience*, 2007. **4**(1): p. 96-106.

19. MORADI GHOLAM, R., AHMADI MARYAM, Z., EBADIFARD, A., and SABERI, M., *Evaluation of structure and content of websites of the educational hospitals in iran–2007*. **Health information management**, 2007. **4**(2): p. 175-184.
20. Bakavoli, M., Nikpour, M., Rahimizadeh, M., Saberi, M., and Sadeghian, H., *Design and synthesis of pyrimido [4, 5-b][1, 4] benzothiazine derivatives, as potent 15-lipoxygenase inhibitors*. **Bioorganic & Medicinal Chemistry**, 2007. **15**(5): p. 2120-2126.
21. Saberi, M.R., Vinh, T.K., Yee, S.W., Griffiths, B.J.N., Evans, P.J., and Simons, C., *Potent cyp19 (aromatase) 1- (benzofuran-2-yl)(phenylmethyl)pyridine, -imidazole, and -triazole inhibitors: Synthesis and biological evaluation*. **Journal of Medicinal Chemistry**, 2006. **49**(3): p. 1016-1022.
22. Baratian, A., Jahangiri, L., and Saberi, M.R., *In silico study of human hedgehog pathway by means of homology modeling and docking*. **Journal of Pharmacy and Pharmacology**, 2006. **58**: p. A60-A60.
23. Saberi, M.R., Shah, K., and Simons, C., *Benzofuran- and furan-2-yl-(phenyl)-3-pyridylmethanols: Synthesis and inhibition of p450 aromatase*. **Journal of Enzyme Inhibition and Medicinal Chemistry**, 2005. **20**(2): p. 135-141.
24. Hadizadeh, F., Kazemi, S., Saberi, M.R., Firoozeh-Moghadam, S., and Sahranavard, M., *Synthesis of novel imidazolyl analogues of moclobemide as monoamine oxidase inhibitors*. **Journal of Pharmacy and Pharmacology**, 2005. **57**: p. S35-S36.