CURRICULUM VITAE

Personal information	
Name	Aboozar Khajeh 
Place and Date of Birth	Birjand, Iran, 1982
Nationality	Iranian
Marital Status	Married
Business Address	Department of Chemical Engineering, Birjand University of Technology, Birjand, Iran.
Phone	+98(56)32391217
Academic Degree	Ph. D. of Chemical Engineering
Academic Position	Assistant Professor
E-mail:	akhajeh@birjandut.ac.ir; ab_khajeh@yahoo.com

Academic information	
B.Sc.	Chemical Engineering, University of Sistan and Baluchestan, Iran, 2000-2004.
M. Sc.	Chemical Engineering, Amirkabir University of Technology, Iran, ٢٠٠٥-٢٠٠٨.
Title of M.Sc. thesis Thermodynamic study of solubility of gases in liquids and polymers.	
Ph.D.	Chemical Engineering, Amirkabir University of Technology, Iran, ٢٠١٠-٢٠١٤.
Title of Ph.D. thesis Molecular modeling of diffusion and solubility of drugs in drug delivery systems.	

Courses Thought
Mass and Energy balance, B.Sc.
Thermodynamics 1, B. Sc.
Fluid mechanics ١, B. Sc.
Fluid mechanics ٢, B. Sc.
Gas processing, B. Sc.
Unit Operation 1, B.Sc.
Unit Operation 2, B.Sc.
Water and wastewater treatment, B. Sc.
Design and Economic of Engineering, B. Sc.
Numerical analysis, B.Sc.
Unit Operation Laboratory, B. Sc.
Chemical Engineering software workshop, B. Sc.
General Engineering software workshop, B. Sc.
Organic Chemistry Laboratory, B. Sc.
Optimization, M.Sc.

Distinctions and Honours
Membership in the National Elites Foundation.
Ph.D. Talented student in Amirkabir University of Technology.
M.Sc. Talented student in Amirkabir University of Technology.

Research Interests
Computer aided design (Process, Drug, Solvent, Product, Inhibitor, Molecular,…)
Natural products
Molecular simulation
Optimization methods and application
Intelligent methods

Skills

Matlab, Gromacs, LEAᵀD, Materials Studio, Namd, Autodock, Hysis, Aspen, Hyperchem, Spartan, Dragon, Minitab, Linux, Windows, C++

Publications (ISI Papers)

Khajeh A, Modarress H (2014). Effect of Cholesterol on behavior of 5-Fluorouracil (5-FU) in a DMPC Lipid Bilayer, A Molecular Dynamics Study, Biophys. Chem., 187, 43-50.

Khajeh A, Modarress H (2014). The Influence of Cholesterol on Interactions and Dynamics of Ibuprofen in a Lipid Bilayer,BiochimicaetBiophysicaActa (BBA)-Biomembranes, 1838, 2431-2438.

Khajeh A, Modarress H (2014). Linear and nonlinear quantitative structure-property relationship modelling of skin permeability. SAR and QSAR in environmental research, 25, 35-50.

Khajeh A, Modarress H (2013) Modified particle swarm optimization method for variable selection in QSAR/QSPR studies, StructChem, 24, 1401-1409.

Khajeh A, Modarress H (2012) Application of modified particle swarm optimization as an efficient variable selection strategy in QSAR/QSPR studies. J. Chemom. 26: 598-603.

Khajeh A, Modarress H, Rezaee B (2009) Application of adaptive neuro-fuzzy inference system for solubility prediction of carbon dioxide in polymers. Expt Sys with Appl 36:5728-5732.

Khajeh A, Modarress H (2010) Prediction of Solubility of gases in polystyrene by Adaptive Neuro-Fuzzy Inference System and Radial Basis Function Neural Network. ExpetSystAppl 37: 3070-3074.

Khajeh A, Modarress H (2010) QSPR prediction of flash point of esters by means of GFA and ANFIS. J. Hazard. Mater. 179:715-720.

Khajeh A, Modarress H (2011) Quantitative structure-property relationship for surface tension of some common alcohols. J. Chemom. 25:333-339.

Khajeh A, Modarress H (2011) Quantitative structure–property relationship prediction of liquid thermal conductivity for some alcohols. Struct. Chem. 22:1315-1323.

Khajeh A, Rasaei MR (2012) Diffusion coefficient prediction of acids in water at infinite dilution by QSPR method, StructChem 23:399–406

Khajeh A, Modarress H (2011) Quantitative structure-property relationship for flash point of alcohols. Ind. Eng. Chem. Res. 50:11337–11342.

Khajeh A, Modarress H (2012) Quantitative Structure–Property Relationship Prediction of Liquid Heat Capacity at 298.15 K for Organic Compounds. Ind. Eng. Chem. Res. 51: 6251−6255.

Khajeh A, Modarress H (2012) Quantitative structure–property relationship prediction of gas heatcapacity at 298.15 k for organic compounds. Ind. Eng. Chem. Res. 51:13490–13495.

Khajeh A, Modarress H (2011) QSPR prediction of surface tension of refrigerants from their molecular structures, Int. J. Refrig. 35: 150−159.

A Khajeh, H Modarress, M Mohsen-Nia (2007) Solubility prediction for carbon dioxide in polymers by artificial neural network, Iranian Polymer Journal, 16: 1-9.

Seminars and Conferences

Aboozar Khajeh; Potent anti-colorectal cancer agents of saffron. ICB 2018, Tehran, 2018.

Aboozar Khajeh; Discovery of anti-breast cancer agents in essential oils. ICB 2018, Tehran, 2018.

Aboozar Khajeh; Prediction of esters adsorption on carbon by GFA and ANFIS. The16th Iranian National Congress of Chemical Engineering, Amirkabir University of Technology, Department of Chemical Engineering, Tehran, 2019.

Aboozar Khajeh; Prediction alcohols diffusion in air by using new and efficient QSPR. The16th Iranian National Congress of Chemical Engineering, Amirkabir University of Technology, Department of Chemical Engineering, Tehran, 2019.

Aboozar Khajeh; Prediction of solubility and skin penetration of saffron essential oil components, The 5th National Conference on Saffron, Torbat Heydariyeh, 2018.