

Mitra Dadvar

Education

- 1993- 2000** **AmirKabir University of Technology, Tehran, Iran
(& University of Southern California, Los Angeles, CA)**
Ph.D. Chemical Engineering
Dissertation: Application of Pore Network Simulation in Modeling of
Immobilized Glucose Isomerase Enzyme Reactions
- 1984- 1987** **AmirKabir University of Technology, Tehran, Iran**
M.S. Chemical Engineering
M.S. Thesis: Comparing the accuracy of equations of state through Joule
Thomson factor
- 1975-1982** **Sharif University of Technology, Tehran, Iran**
B.S. in Chemical Engineering emphasis in Refinery Engineering (17.49/20)
B.S. Project: Study of Manufacturing of Compost in Iran

Experience

- 1982-1984** **Research Institute of Petroleum Industry**
Process Engineer
- Working in Process Engineering department
 - Designing air fan exchanger and shell and tube exchanger for Tehran oil Refinery
 - Study and putting gas sweetening pilot plant in operation
- 1984- 1998** **AmirKabir University of Technology**
Teaching Assistant
- Teaching Assistant in Unit Operation Laboratory and heat Transfer Laboratory in
Chemical Engineering department
 - Putting new apparatus for the above laboratories in operation
- 1985-2001** **AmirKabir University of Technology**
Faculty Member of Chemical Engineering Department
- Laboratory director of Unit Operation and Heat Transfer
- 2001- now** **AmirKabir University of Technology**
Assistant Professor
from 2001- 2010
Associated Professor
from 2010- now
Courses offered
- Fluid Mechanics (undergrad course)
 - Advanced Fluid Mechanics (graduate course)
 - Fluid Flow in Porous Media (graduate course)
 - Advanced Numerical Mathematics (graduate course)
 - Material and Energy Balance for B.S. students (undergrad course)

- Laboratory director of Unit Operation and Heat Transfer and Fluid Mechanics (undergrad course)
- Designing pilot plants (evaporators, driers, distillation towers and colling towers)

Researchs

- Modeling and Simulation of Catalytic Reactors
- Pore Network Modeling and Simulation in Fluid Flow and Reaction in Porous Media
- Analysing porosity log oil reservoir data, measured along vertical wells in order to find its charaterization
- Modeling and simulation of fluid flow and evaluating permeability in fractured porous Media

Computer Experience

- **Language:** Fortran, Basic, HTML
- **Environment:** Windows, MS-DOS
- **Software:** MatLab, Hysis, Latex, Excel, Power point, Word

Developed Softwares

- Computer simulator for computing reaction conversion in a porous catalyst
- Computer simulator for modeling reaction conversion in a catalytic reactor
- Computer simulator for computing permeability in fractured porous media as a dual porosity system
- Computer simulator for calculating effective diffusivity in heterogenous catalysts

Publications

1. Karimi S., **Dadvar M.**, Dabir B., "Numerical Modeling of Atherosclerosis Lesion Evolution In Time I. Initial Stage Of The Disease", *Journal of Mechanics in Medicine and Biology*, 16, 2 (2016) (to be published).
2. Hekmatzadeh M., **Dadvar M.**, Emadi M., "Experimental and Numerical Pore Scale Study of Residual Gas Saturation in Water-gas Imbibition Phenomenal", *Iran J. Chem. & Chem. Eng.*, 34 (2015)
3. Hekmatzadeh M., **Dadvar M.**, Emadi M., "Visual Investigation of Residual Gas Saturation in Porous Media", *IJOGCT*, 10, 2 (2015)
4. Hekmatzadeh M., **Dadvar M.**, Emadi M., "Pore network Modeling for Prediction of Residual Gas Saturation in Water Invasion Process", *Journal of Porous Media*, 17, 6 (2014)
5. Safari M., Talebi R., Rostami M. H., Nikazar M., **Dadvar M.**, "Synthesis of Iron-dropped TiO₂ for Degradation of Reactive Orange16", *Journal of Enviromental Health Science and Technology*, 12, 19 (2014)
6. Taslimi Taleghani S., **Dadvar M.**, "Two Dimentional Pore Network Modelling and Simulation of Non-isothermal Drying by The inclusion of Viscous Effects", *International Journal of Multiphase Flow*, 62 (2014)
7. Derakhshan M. V., Nasernejad B., **Dadvar M.**, Hamidi M., "Permanent and Kinetics of Oil Extraction From Algae for Biodiesel Production", *Asia-Pac. J. Chem.Eng.*, (2014)
8. Amooey A. A., Modarress H., Dabir B., **Dadvar M.**, "Transition Model of Stratified Oil-water Flow in a Horizontal Pipe", *Petroleum Science and Technology*, 32 (2014)
9. Mirshekari B., **Dadvar M.**, Modarress H., Dabir B., "Modeling and Simulation of Gravel Pack Damage Due to Particle Transport by Single Phase Flow in Cased Hole Completion", *IJOGCT*, 7 (2014)

10. Karimi S., **Dadvar M.**, Modarress H., Dabir B., "Kinetic Modeling of low density lipoprotein oxidation in arterial wall and its application in atherosclerotic lesions prediction", *Chemistry and Physics of Lipids*, 175-176 (2013)
11. Behdood M., **Dadvar M.**, Sajadi Z., "Pressure Data Analysis in Two Phase Naturally Fractured Reservoirs With a Pseudo Steady State Flow Regime Using the TDS Technique", *Petroleum Science and Technology*, 31 (2013)
12. Karimi S., **Dadvar M.**, Modarress H., Dabir B., "A new correlation for inclusion of leaky junctions in macroscopic modeling of atherosclerotic lesion initiation", *Journal of Theoretical Biology*, 329 (2013)
13. Safari M., Nikazar M., **Dadvar M.**, Talebi R., "Photocatalytic degradation of methyl tert-butyl ether (MTBE) by Fe-TiO₂ nanoparticles", *Journal of Industrial and Engineering Chemistry*, 19, 5 (2013)
14. Mirshekari B., **Dadvar M.**, Modarress H., Dabir B., "Modelling and simulation of multiphase flow formation damage by fine migration including the multilayer deposition effect", *IJOGCT*, 6, 6 (2013)
15. Karimi S., **Dadvar M.**, Dabagh M., Jalali P., Modarress H., Dabir B., "Simulation of Pulsatile Blood Flow Through Stenotic Artery Considering Different Blood Rheologies: Comparison of 3D and 2D Axisymmetric Models", *Biomedical Engineering: Applications, Basis and Communications*, 25, 2 (2013)
16. Sadeghifar A., **Dadvar M.**, Karim S., Ghobadi A., "The Wolf Method Applied to Type I Methane and Carbon dioxide Gas Hydrate", *Journal of Molecular Graphics & Modeling*, 38 (2012)
17. Zamanian E., **Dadvar M.**, Kharat, R., Ghazanfari A. "The Determination of Effective Diffusivity Coefficient in a Solvent Gas Heavy Oil System for Methane", *Petroleum Science and Technology*, 30, 30 (2012)
18. Askari E., **Dadvar M.**, Mahjoobi E., "A CFD Simulation to Study Changing Conventional Trays to RevampTrays", *International Review of Chemical Engineering*, 3, 6 (2011)
19. "Monte Carlo Simulation of the Crystalline Structure of CO₂ Hydrate Using the Wolf Method", *Oil Research*, 21, 66 (2011)
20. Karim S., **Dadvar M.**, Dabir B., "Non-Newtonian Effect of Blood in Physiologically Realistic Pulsatile Flow", *I.RE.C.H.E.*, 2, 7 (2010)
21. Jani F., **Dadvar M.**, "Three Dimensional pore network model of biofilter treating toluene: A study of the effect of the pore space morphology", *Chemical Engineering Science*, 65, 3293-3300 (2010)
22. Zahedzadeh M., Abbasi S., Dadvar M., Shadizadeh S. R., "An Improved Model to Simulate Mud (Drilling Fluid) Dispersion through Porous Media", *IRAN. J. CHEM. ENG.*, 29,1 (2010)
23. Hekmatzadeh M., **Dadvar M.**, "Pore Network Modeling and Simulation for Studying the Effect of Heterogeneties of Muscible Displacement", *NSMSI*, 29,1 (2010)
24. Ahmadi M., **Dadvar M.**, Halladj R., "Modeling and Simulation of Converting Methanol to Olefins (MTO) Procee in an industrial Fluidized Bed Reactor in Riser Regime" *FARAYANDNO*, 21 (2009)
25. Beigi H., **Dadvar M.**, Halladj R., "Pore Network Model for Catalytic Dehydration of Methanol at Particle Level", *AIChE*, 55, 2, 442-449 (2009)
26. Beigi H., **Dadvar M.**, Halladj R., "Modeling and simulation of catalytic reaction of Dimethyl ether Production from Methanol Using pore Network models", *NSMSI*, 27, 4 (2009)
27. Jani F., **Dadvar M.**, "Pore Network modeling of Biofilter for Treatment of Gas Streams Contaminated with Aromatic Components", *Iranian Chemical Engineering Journal*, 34, 57-66 (2008)
28. Jani F., **Dadvar M.**, "Mathematical Modeling and Simulation of Biofilter Benzene Treating with Voronoi Network", *Farayandno*, 9, 35-47(2007)
29. Jani F., **Dadvar M.**, "Biofilter Modeling for Controlling dispersion of Oil Contaminants", *Oil Research*, 56, 3-15 (2007)
30. Hoseinzad M., **Dadvar M.**, "Fractured Reservoirs and Analysis of Porosity and Permeability Distribution", *Oil, Gas and Petrochemistry*, 45, 60-64 (2007)

31. Beigi H., **Dadvar M.**, Halladj R., "Simulation of reactor and process of Dimethyl Ether Production from Methanol, Using Hysys Software" , *Iranian Chemical Engineering Journal*, 6, 51-59 (2007)
32. **Dadvar M.**, Sahimi M., "The Effective Diffusivities in porous media with and without Nonlinear Reactions", *Chemical Engineering Science* , 62,5, 1466-1476(2007)
33. **Dadvar M.**, Sahimi M., "Pore network model of Deactivation of Glucose Isomerase in Packed-bed Reactors III : Multiscale Modeling", *Chemical Engineering Science*, 58, 4935-4971(2003)
34. **Dadvar M.**, Sahimi M., "Pore network model of Deactivation of Glucose Isomerase in Packed-bed Reactors II : Three-Dimensional Simulations at the particle level" , *Chemical Engineering Science*, 57, 939-951(2002)
35. **Dadvar M.**, Sohrabi M. ,Sahimi M., "Pore network model of Deactivation of Glucose Isomerase in Packed-bed Reactors I : Two-Dimensional Simulations at the Particle Level " , *Chemical Engineering Science*, 56, 2803-2819 (2001)

Conference Papers

1. Mohammadzadeh H., **Dadvar M.**, "Studying capacity-resistance model in reservoir engineering", The Fourth Conference of hydrocarbon reservoirs upstream industry and related industries, Tehran (Mar 15, 2015)
2. Derakhshan M. V., Nasernejad B., **Dadvar M.**, Adabi, J., Abaspoor F., "A Novel Pretreatment Protocol For Algal Oil Extraction for Biodiesel Production", The 8th International Chemical Engineering Congress & Exhibition, Kish (Feb. 24-27, 2014).
3. Arabjafari M., **Dadvar M.**, Falah N., Nasernejad B., Pakdel S., "Kinetic Modelling of Styrene Biodegradation by *Rhodococcus Erythropolis PTCC 1767*", The 8th International Chemical Engineering Congress & Exhibition, Kish (Feb. 24-27, 2014).
4. Derakhshan M. V., Nasernejad B., **Dadvar M.**, Adabi, J., " Kinetic and Thermodynamics of Cell Disintegration for Algal Biodiesel Processing", The 8th International Chemical Engineering Congress & Exhibition, Kish (Feb. 24-27 2014).
5. Irankhah M., **Dadvar M.**, Mozafarian M., " Fine migration in porous Media used on pore Network Model", Second international Conference on Oil Gas and Petrochemical Iran, (2014)
6. Behnood M., Vahedi Pour M., **Dadvar M.**, "Determining Reservoir Parameters From Two Phase Naturally Reservoirs Well Test Analysis, Unsteady State Flow Regime, Condensing Wellbore Storage Effect- TDS Technique", *The 14th Iranian National Chemical Engineering Congress*, Tehran (Oct. 16-18 2012).
7. Soleimani S. S., Karimi S., **Dadvar M.**, Dabir B., "Studying the angle effect in carotid bifurcation on blood homodynamic", 7th students conference on Mechanical engineering, Tehran (Feb. 20-22, 2012).
8. Karimi S., Soleimani S. S., **Dadvar M.**, Modarress H., Askari E., Dabir B., "Impact of Blood Rheology for Bulk Flow in Hemodynamic Models of Carotid Bifurcation", International Conference on Mechanical Engineering and Advanced Technology, Isfahan (Oct. 11-13, 2012).
9. Taghipoor R., **Dadvar M.**, Hekmatzadeh M., "Comparison of heat transfer in a pore of reservoirs and glass micromodel", First Iranian Conference on heat and mass transfer, Zahedan (Sep. 12-14, 2012).
10. Karimi S., **Dadvar M.**, Modarress H., Dabir B., "The Impact of Artery Diameter and Non-Newtonian Blood Behavior on Flow over a Stenotic Artery", 20th Annual International Iranian Mechanical Engineering Conference, shiraz (May 16-18,2012).
11. Taslimi T.S., **Dadvar M.**, "A 2D Pore Network Model of the Isothermal Drying with Viscous Flow", The First Middle east Drying Conference, Mahshahr (Mar. 11-12, 2012).
12. Behnood M., Vahidpoor M., **Dadvar M.**, "Application of TDS Technique in the Well Testing of Two Phase Oil and Water Naturally Fractured Reservoirs with Unsteady State

- Flow Regime”, The 7th International Chemical Engineering Congress & Exhibition, Kish (Nov. 20-24, 2011).
13. Sadeghifar A., Karimi S., **Dadvar M.**, “Molecular Simulation of the Structure of Methane Hydrate Using the Wolf Method”, The 7th International Chemical Engineering Congress & Exhibition, Kish (Nov. 20-24, 2011).
 14. Mahlooji D., **Dadvar M.**, “Axial Dispersion Plug Flow Model for Methanol Dehydration Reactor”, The 7th International Chemical Engineering Congress & Exhibition, Kish (Nov. 20-24, 2011).
 15. Taslimi S., **Dadvar M.**, “2D pore network model of the isothermal drying: A study on the effect of pore structure distribution”, The 7th International Chemical Engineering Congress & Exhibition, Kish (Nov. 20-24, 2011).
 16. Sadeghifar A., Karim S., **Dadvar M.**, “Molecular Simulation of the Structure of Methane Hydrate Using The Wolf Method”, 1st national Iranian conference on gas hydrate, Tehran (May18-19, 2011)
 17. Askari E., **Dadvar M.**, Mahjoobi A., “Unsteady State Hydrodynamic Simulation of Sieve Trays Using Finite Volume Method and Unstructured Grids”, The 3rd National Conference on CFD Application in Chemical & Oil Industries, Tehran (May 18-19, 2011).
 18. Karim S., Dabagh M., **Dadvar M.**, Dabir B., “A Novel Method for Signing the Location of Leaky Junction in a Stenosed Artery”, The 6th international symposium on Biomechanics in Vascular Biology and Cardiovascular Disease, Rotterdam (Apr. 14-15, 2011).
 19. Karim S., **Dadvar M.**, Dabir B., “Non- newtonian effect of blood in physiologically realistic pulsatile flow”, 2nd conference on chemical engineering and advanced materials (CEAM) Virtual forum, Italy (Nov. 15-17, 2010).
 20. Behnood M., **Dadvar M.**, “Pressure data analysis in two phase oil and water naturally fractured reservoirs, using TDS techniqu, No wellbore storage effect”, 1st symposium on carbonate reservoir, Tehran (Nov. 13-14, 2010).
 21. Behnood M., Azari A, Zabihi V., **Dadvar M.**, “ Well Testing in Two Phase Oil and Water Naturally Fractured Reservoirs Using Artificial Neural Network (ANN) Technique”,1st symposium on carbonate reservoir, Tehran (Nov. 13-14, 2010).
 22. Zamanian E., **Dadvar M.**, “Experimental Determination of Gas-Diffusion and Interface-Mass-Transfer Coefficients in fracture- heavy oil saturated porous matrix system”, 1st symposium on carbonate reservoir, Tehran (Nov. 13-14, 2010).
 23. Barati A., Sajadi Z., Mokhtari A. S., **Dadvar M.**, “Advanced Applications of the production logs in well analysis “, The 13th Iranian chemical engineering congress & 1st international regional chemical and petroleum engineering conference, Kermanshah (Oct. 25-28, 2010).
 24. Behnood M., **Dadvar M.**, “New procedure using TDS technique in well testing of two phase naturally fractured reservoirs”, The 13th Iranian chemical engineering congress & 1st international regional chemical and petroleum engineering conference, Kermanshah (Oct. 25-28, 2010).
 25. Hekmatzadeh M., **Dadvar M.**, “Pore Scale Modeling of Solute Transport in Porous Media”, The 13th Iranian chemical engineering congress & 1st international regional chemical and petroleum engineering conference, Kermanshah (Oct. 25-28, 2010).
 26. Mahlooji M. D., **Dadvar M.**, “Modeling and simulation of methanol dehydration reactor” , The 13th Iranian chemical engineering congress & 1st international regional chemical and petroleum engineering conference, Kermanshah (Oct. 25-28, 2010).
 27. Hekmatzadeh M., **Dadvar M.**, “Pore network modeling and simulation for studying the effect of heterogenities on miscible displacement”. 14th international oil, gas and petrochemical congress, Tehran (May4-5, 2010)
 28. Sajadi Z. , **Dadvar M.**, “Pressure Data Analysis of Naturally Fractured Reservoirs with non-Darcy Flow Using Direct Synthetic Method”, Naturally Iranian Fractured Reservoirs Conference, Ahvaz (Dec 3-4, 2008)
 29. Ahmadi M., Halladj R., **Dadvar M.**, “Modeling and Simulation of MTO Process for Industrial Fluidized Bed in Riser Regime, 12th Iranian Chemical Engineering Congress, Tabriz (oct 20-23, 2008)

30. Beigi H., **Dadvar M.**, "Determination of Effectiveness Factor for Conversion of Ethanol to Dimethylether", 12th Iranian Chemical Engineering Congress, Tabriz (oct 20-23, 2008)
31. Beigi H., **Dadvar M.**, "Simulation of Adiabatic Fixed Bed Reactor for Dehydration of Methanol", , 12th Iranian Chemical Engineering Congress, Tabriz (oct 20-23, 2008)
32. Hekmatzadeh M., **Dadvar M.**, "Pore Network Simulation of Waste Water Dispersion in Underground Water", The First Iran Petrochemical Conference, Tehran (Jul 22-23, 2008)
33. Ataei R., **Dadvar M.**, Nasernejad B., Dabir B., "Mathematical Modeling of Microbial Enhanced Oil Recovery" , 10th National Iranian Chem.Eng.Congress, Simulation Process Control and Process Design, Zahedan (Nov 15-17, 2005)
34. **Dadvar M.**, Sahimi M., " Pore Network Simulation of Gaseous Diffusion and Reaction in Bimodal Catalysts", the 5th Student Conference of Chemical Engineering and 3rd National Student Conference of Petroleum Engineering, Tehran (Mar 8-10, 2005)
35. **Dadvar M.**, Sahimi M., " Are the Effective Diffusivities of Microporous Materials with and without Nonlinear Reactions the same?", paper 228g, AIChE Annual meeting, Diffusion in Microporous Materials II, San Francisco, CA (Nov 16-21, 2003)
36. **Dadvar M.**, Sahimi M., " Transport in Heterogeneous Media with Multiple Families of Transport Paths ", paper 69f, AIChE Annual Meeting, Transport and Reaction in Heterogeneous and Porous Media, Indianapolis, IN (Nov 3-8, 2002)
37. **Dadvar M.**, Sohrabi M., Sahimi M. , "Reaction Modeling and Simulation in Heterogeneous Media" , 7th National Iranian Chem.Eng.Congress, Simulation Process Control and Process Design, Tehran (Oct 28-31, 2002)
38. **Dadvar M.**, Sahimi M. , "A Multi-scale Approach to Deactivation of Immobilized Glucose Isomerase in Packed-bed Reactors", paper 344e, AIChE Annual meeting, Multi Scale Approaches to Reaction Engineering, Reno, NV (Nov 4-9, 2001)

MS Thesis Under My Supervision

- **Mohammadzadeh, H.**, "Use of capacitance-resistance models in petroleum engineering in order to predict the well transient pressure and application in well test", (Fall 2015).
- **Ahmadloo, M.**, "Hydrodynamic modeling of moving bed reactors for heavy oil cracking", (Fall 2015).
- **Fazlali, S., M.**, "use of combine solar and wind energy for energy supply of enhance and improve oil recovery in oil reservoir (spring 2015).
- **Taherpour M.**, "Pore network modeling of two phase flow (water & oil) at reservoir condition and evaluating the mechanisms by comparing to experimental data", (Spring 2014).
- **Irankhah M.** , "Studying deposition mechanisms by trajectory calculation of particle movement in pore scale of two phase flow-oil and water", (spring 2014).
- **Momeni A.**, "Pore network modeling of gas condensate displacement and studying gas velocity effect on condensate" (Fall 2014).
- **Ghahari, A.**, "A CFD simulation for gas sweetening operation and reducing contaminants on trays of separation tower", (Fall 2013)
- **Arabjafari M.**, "Determination the optimum operating conditions for the use from Rhodococcus aerobic micro organisms to remove volatile organic contaminants from petrochemicals waste water", (Fall 2013).
- **Azarang N.**, "Experimental study of asphaltene inhibitors on agglomeration rate and its effect on permeability reduction of porous media", (Fall 2013).
- **Fakhri B.**, "Pore network modeling and simulation of fuel cell with polymeric membrane" (winter 2013).
- **Ghaderi S.**, "CFD modeling of blood flow in aorta considering blood transfer to different organs as pore network model", (spring 2013).
- **Taghipour R.**, "A study on SAGD process using pore network modeling" (winter 2013)
- **Habibi N.**, "Using pore network modeling and simulation to study the effect of pressure on permeability", (Fall 2012).

- **Parvaneh F.**, “Experimental investigation of water flooding in fractured reservoirs in pore scale micromodels”, (Fall 2012).
- **Talebi R.**, “Photocatalytic degradation of furfural in water with TiO₂-Fe₂O₃ nano particles”, (Fall 2012).
- **Safari M.**, “Photovatalytic degradation of MTBE in water with Fe₂O₃-TiO₂”, (Summer 2012).
- **Taslimi S.**, “Modeling and simulation of drying process using pore network model”, (Fall 2011).
- **Askari E.**, “Dynamic simulation for gas sweetening operation based on separation on trays of contact tower”, (Fall 2011).
- **Khosravi j.**, “Numerical analysis of well testing behavior in horizontal fractured reservoir with different hydrocarbons in the range of volatile oil to gas condensate”, (Fall 2011).
- **Mahlooji, M. D.**, “Reactor Modeling and Simulation for converting Methanol to Dimethylether”, (Fall 2010).
- **Dehghani B.**, “Studing and producing a new nano-catalyst of AU/FE₂O₃ , AU/ZNO for the synthesis of Fisher-Tropsch process”, (Fall 2010).
- **Astinfeshan Z.**, “Pressure Data Analysis in Two Phase Oil and Water Naturally Fractured Reservoirs For Unsteady State Flow using Synthesis Direct Method”, (Fall 2010).
- **Zamanian E.**, “Measurment of Diffusional Coefficients of CO₂, CH₄ & N₂ gases in the crude oil of Iranian heavy oil reservoir”, (Summerl 2010).
- **Sadeghifar A.**, “Modeling hydrate type I molecular structure”, (Summer 2010)
- **Shahsavan H.**, “Modeling and Simulation of cutting transport in drilling wells”, (winter 2010)
- **Sajadi Z.**, “Pressure Data Analysis of Naturally Fractured Reservoirs with Non-Darcy Flow, Using Direct Synthesis Method”, (Winter 2008).
- **Behnood M.**, “Pressure Data Analysis in Multiphase (Oil and Water) Fractured Reservoirs, Using Synthetic Direct Method”, (Fall 2008)
- **Hekmatzadeh M.**, “Pore Network Modeling of Miscible Displacement and formation of Viscous fingering”, (summer 2008)
- **Zeighami A.**, “Wavelet Analysis For the Generation of Multiple History Matched Reservoir Models”, (Spring 2008)
- **Naserizadeh A.**, “Modeling of Multiphase Flow in Conventional Reservoirs by Using Square Pressure and Pseudo Pressure Functions”, (Spring 2008)
- **Danaee M.**, “Developing of welltesting Software in Oil Reservoirs”, (Summer 2007)
- **Sadeghi A.**, “Well Test Analysis of Gas Condensate Reservoirs in Two and Three Phase Systems”, (Fall 2007)
- **Jani F.**, “Modeling and Simulation of Biofilter Treating Aromatics as Contaminant”, (Fall 2007)
- **Hosseinzad M.**, “Prediction of Porosity Distribution and Fracture Orientation in Fractured Reservoir”, (winter 2006)
- **Mansoori S.**, “Pore Network Modeling for elimination of Thiophene from Hydrocarbons and Modeling Its Reactor”, (Winter 2006)
- **Beigi H.**, “Modeling and Simulation of Catalytic Conversion of Methanol to Dimethyl ether”, (Fall 2005)
- **Alaee R.**, “Mathematical Modeling of Enhanced Microbial Oil Recovery of Reservoirs”, (Fall 2005)
- **Rahmani H.**, “Modeling of two phase flow transmittion pipeline networks from production wells to distribution Center”, (Spring 2005)

PHD Thesis Under My Supervision

- **Mohamadi M.**, (Continued)
- **Zeinodini E.**, (Continued)
- **Bab V.**, (Continued)
- **Hekmatzadeh M.**, Theoretical and Experimental Investigation of Gas Trapping Mechanism Due to Water Encroachment in Pore Scale (2013)
- **Karimi S.**, Modeling of bio component accumulation inside the arterial wall in the presence of excess chlosterol in pulsstill flow (2012)

- **Mirshekari B.**, Simulating formation damage due to sand migration and Particle Transport in Cased Hole Completion (2012)
- **Mohamarehnejad M.**, Phase equilibrium calculation water/hydrocarbon mixture in high pressure using association equations of state (2011)